Appendix C

Environmental Assessment

Application for Permission Under Section 16 of the Town Planning Ordinance (Cap. 131) for Proposed Comprehensive Development including Flats, Retail and Community Facilities and Minor Relaxation of Plot Ratio and Building Height Restriction in "Comprehensive Development Area" Zone at Various Lots in S.D.4 and Adjoining Government Land, Kau Wa Keng, Kwai Chung

Environmental Assessment Study

REP-01-003

Issue 3

Job number 299277

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This Environmental Assessment Study (EAS) was prepared in support of the Application for Permission Under Section 16 of the Town Planning Ordinance (Cap. 131) for Proposed Comprehensive Development including Flats, Retail and Community Facilities and Minor Relaxation of Plot Ratio and Building Height Restriction in "Comprehensive Development Area" Zone at Various Lots in S.D.4 and Adjoining Government Land, Kau Wa Keng, Kwai Chung. The total area of the Application Site (the Site) is about 48, 313m^2.

The Application Site is bounded by Lai King Hill Road to the south and Castle Peak Road – Kwai Chung to the east. Road traffic noise assessment has estimated that no flats for Scenario A (i.e. with maximum traffic projection and without Remaining Phase A and B development in place) will be exposed to noise levels in excess of the 70 dB(A) criterion under the base scenario and the overall noise compliance rate is 100%; while a total of 56 flats is predicted to exceed the 70dB(A) criterion for Scenario B (i.e. maximum traffic projection within 15 years upon the occupation of the development) and the overall noise compliance rate of 99.2%. The maximum noise level is 70.1dB(A) for Scenario A and 72.2dB(A) for Scenario B. Various forms of noise mitigation measures have been investigated. In order to alleviate potential road traffic noise impact, acoustic window (baffle type) and conventional acoustic balcony are recommended to mitigate the affected residential units. With this mitigation measures in place, a 100% noise compliance rate could be achieved.

Some fixed noise sources were found at Princess Margaret Hospital and Kwai Chung Hospital to the southwest, Kau Wa Keng Pumping Station to the northeast and bus depot to the further south of the Application Site. Assessment indicates that the predicted fixed noise levels on the proposed development would comply with the respective noise criteria. No mitigation measures are therefore required.

The current scheme has allowed sufficient setback distances from the nearby roads to meet the minimum requirement as stipulated in HKPSG. There are 2 chimneys at the rooftop of Princess Margaret Hospital at about 300m and 1 chimney at the rooftop of Kwai Chung Hospital at about 200m to the southwest of the Application Site, which could well satisfy the setback distance requirements as stipulated in HKPSG. Hence, no adverse air quality impact on the proposed development is anticipated.

A preliminary land contamination site appraisal through desktop research and site survey has been conducted. Two potentially contaminated sites have been identified during site survey and site reappraisal has been recommended when site access is available. If any potentially contaminated activities are observed during site re-appraisal, environmental site investigation (SI) should be proposed in a separate Contamination Assessment Plan (CAP) for EPD's agreement.

Adverse waste management implications due to construction and operational phases are not anticipated provided good practices are in place.

Potential water pollution sources have been identified and mitigation measures have been recommended to mitigate any potential water quality impacts during the construction phase. With the implementation of good site practices and mitigation measures, adverse water quality impacts are not anticipated. Operational impacts associated with runoff and sewage from the development would be insignificant with proper management practices in place. The proposed development will be properly sewered and adverse water quality impact is not anticipated.

It is concluded that there are no adverse environmental impacts on the Application Site at the "Comprehensive Development Area" Zone to the north of Lai King Hill Road in Kau Wa Keng, Kwai Chung for the proposed private residential development.

1 Introduction

1.1.1.1 This Environmental Assessment Study (EAS) was prepared in support of the Application for Permission Under Section 16 of the Town Planning Ordinance (Cap. 131) for Proposed Comprehensive Development including Flats, Retail and Community Facilities and Minor Relaxation of Plot Ratio and Building Height Restriction in "Comprehensive Development Area" Zone at Various Lots in S.D.4 and Adjoining Government Land, Kau Wa Keng, Kwai Chung.

1.1.1.2 The Application Site (the Site) is located to the north of Lai King Hill Road and west of Castle Peak Road – Kwai Chung. It has a total site area of about 48, 313m^2. In accordance with the Approved Kwai Chung Outline Zoning Plan (OZP) No. S/KC/32 gazetted on 13 October 2023, the current land use zoning of the Application Site is "Comprehensive Development Area" ("CDA").

1.1.1.3 This EAS is conducted to evaluate the potential environmental impacts on the proposed development with respect to the guidance for environmental considerations provided in Chapter 9 – Environment of the Hong Kong Planning Standards & Guidelines (HKPSG). The major potential environmental impacts on the Site include:

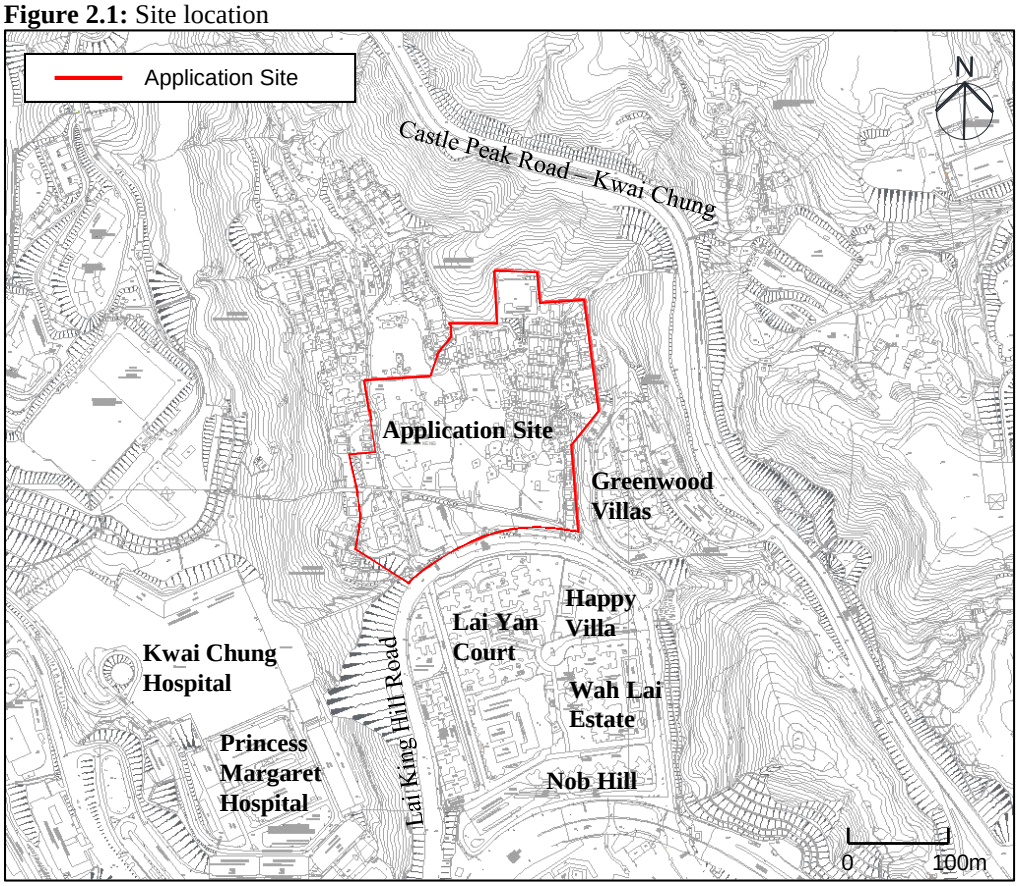
- traffic noise impact from the nearby road network;
- fixed noise impact from nearby fixed noise sources;
- noise impact from nearby bus depot;
- air quality impact due to nearby road network and chimneys;
- land contamination;
- waste management implications during construction and operation phase; and
- water quality impacts due to construction and operation phase.

2 Site Location and Building Design

2.1 Site Location and Description

2.1.1.1 The Application Site is located to the north of Lai King Hill Road and west of Castle Peak Road – Kwai Chung. Surrounding the Application Site are village type houses and medium to high-rise residential developments. Further away to the west are Princess Margaret Hospital and Kwai Chung Hospital. The location of the Application Site is illustrated in **Figure 2.1**.

Figure 2.1: Site location



2.1.1.2 In accordance with the Approved Kwai Chung Outline Zoning Plan (OZP) No. S/KC/32, the Application Site is currently zoned as "Comprehensive Development Area" ("CDA"). The areas in the vicinity are mainly zoned as "Residential (Group A)" ("R(A)"), "Residential (Group B)" ("R(B)"), "Open Space" ("O"), "Government, Institution or Community" ("G/IC") and "Green Belt" ("GB").

2.2 Building Design

2.2.1.1 The proposed development consists of fourteen 37 to 40 storey residential blocks with a total number of 7,052 residential flats. Non-domestic facilities are planned at the podium

blocks of the proposed development. A 200-place Child Care Centre (CCC) is planned at 1/F and a 100-place Day Care Centre for the Elderly (DCCE) is planned at 2/F of Block 1, a Home Care Services for Frail Elderly Persons (HCS) and a 200-place CCC are planned at 1/F, a School Social Work Office (SSWO) and a 100-place DCCE are planned at 2/F of Block 2, a Neighbourhood Elderly Centre (NEC) is planned at G/F of Block 6, a 100-place Residential Care Home for the Elderly (RCHE) is planned at 1/F and 2/F of Block 6 and 1/F of Block 7, a 120-place DCCE is planned at 1/F of Block 8, a 60-place DCCE is planned at G/F and 1/F, and an Office Base of On-site Pre-school Rehabilitation Services (OPRS) is planned on 1/F of Block 9, a 150-place RCHE is planned at 1/F – 3/F of Block 11, and a 60-place Special Child Care Centre (SCCC) is planned at 1/F, and a 100-place CCC is planned at 2/F of Block 14. Underground car parks are planned in the basement of the development. The anticipated population intake year of the whole development is Year 2032.

2.2.1.2 The latest site layout plan and residential block layouts are illustrated in **Figures 2.2 – 2.20**. The internal layout plans for the non-domestic facilities (i.e. CCC, DCCE, SSWO, HCS, NEC, RCHE, OPRS and SCCC) are yet to be available at this Section 16 planning application stage.

Figure 2.2: Site layout plan – Typical Floor

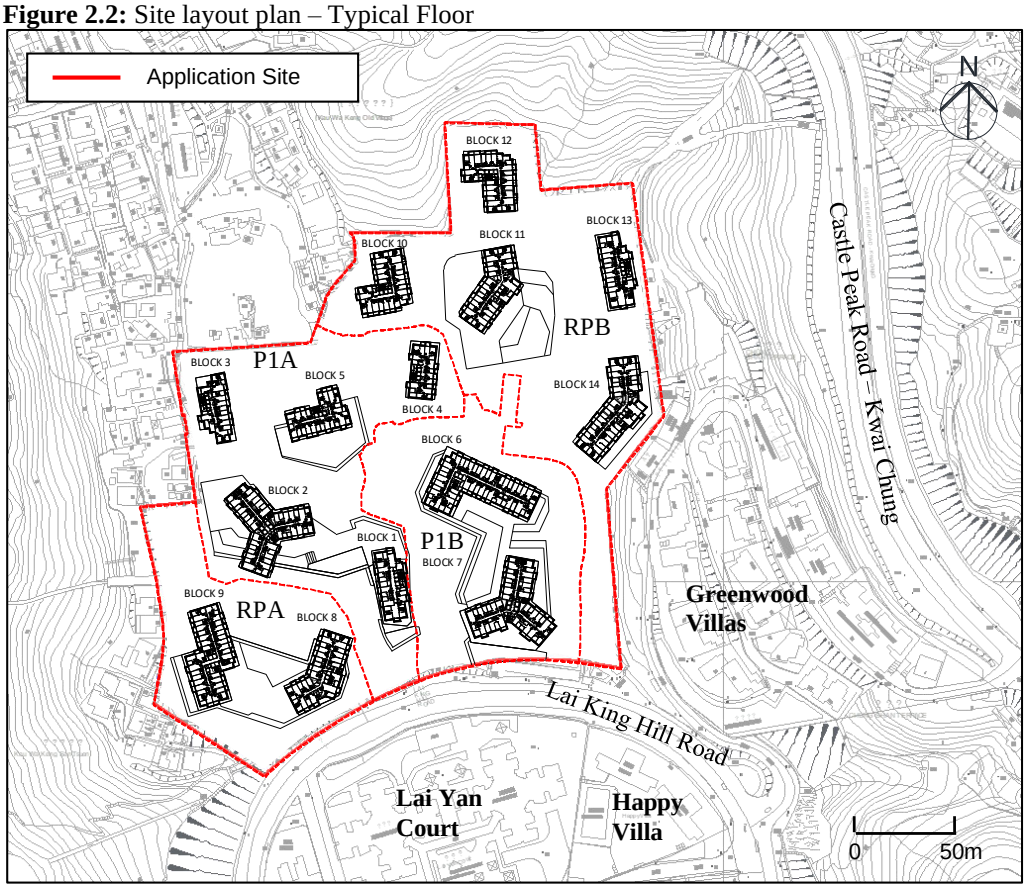


Figure 2.3: Site layout plan – Community Facilities (G/F)

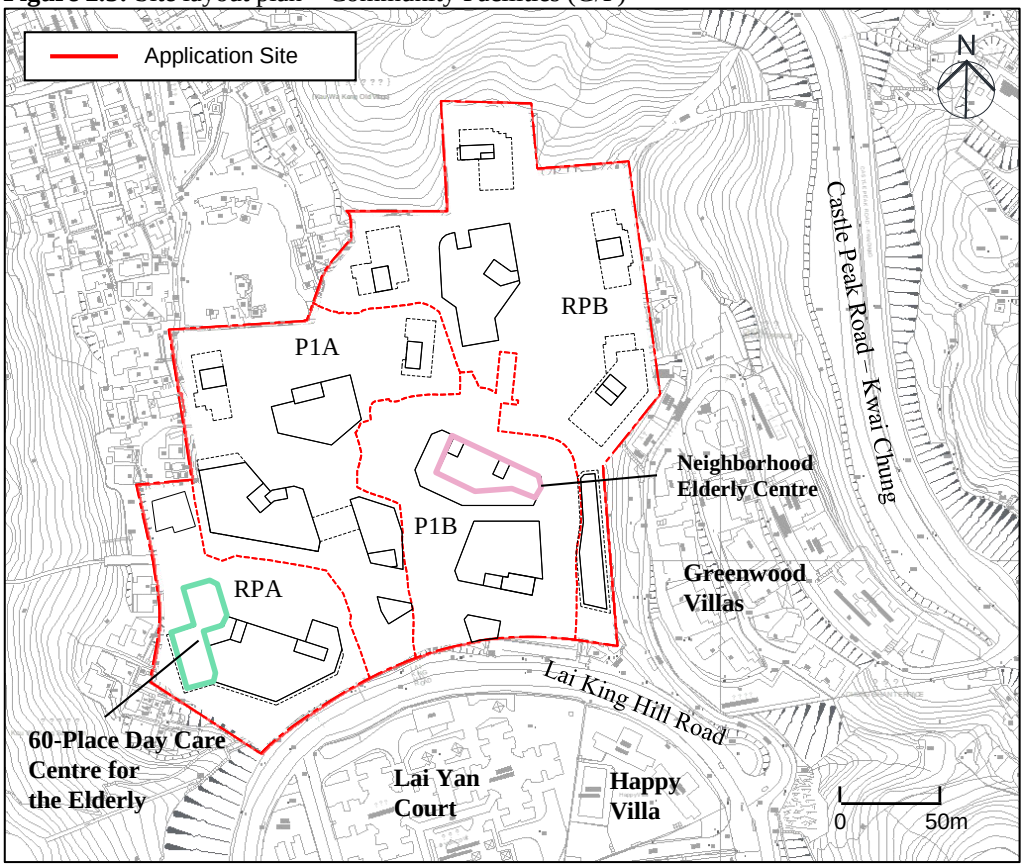


Figure 2.4: Site layout plan – Community Facilities (1/F)

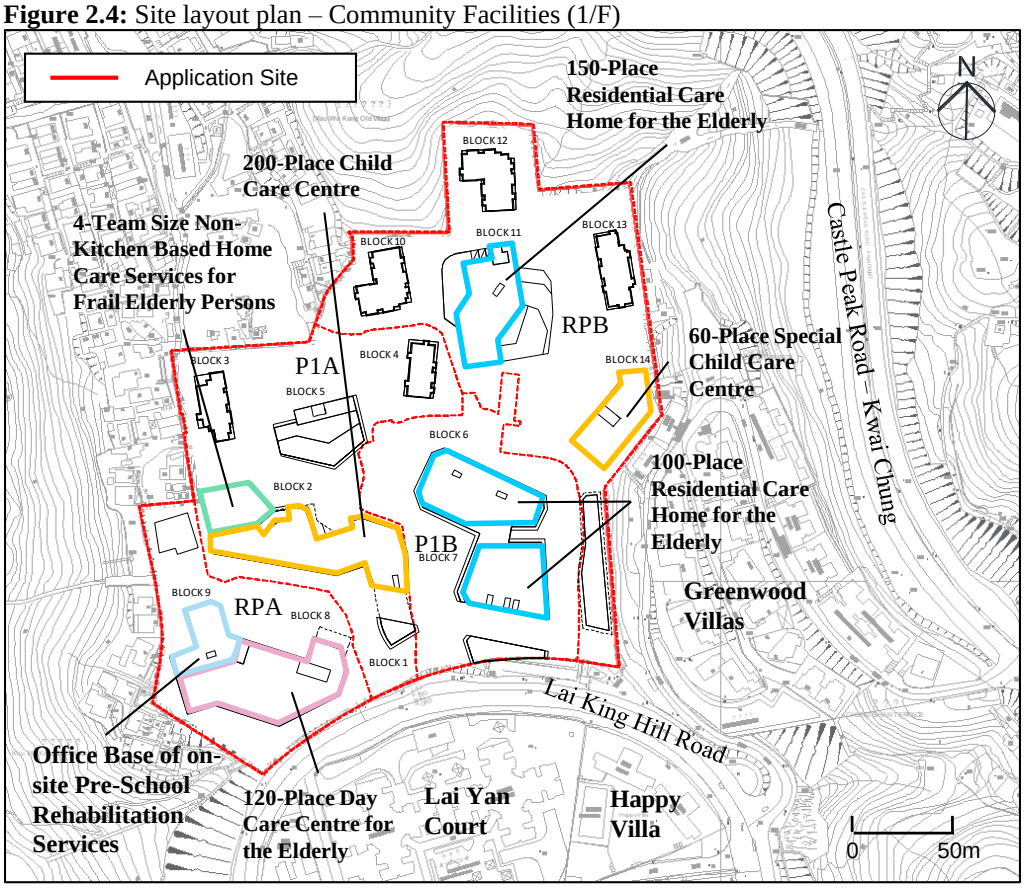


Figure 2.5: Site layout plan – Community Facilities (2/F)

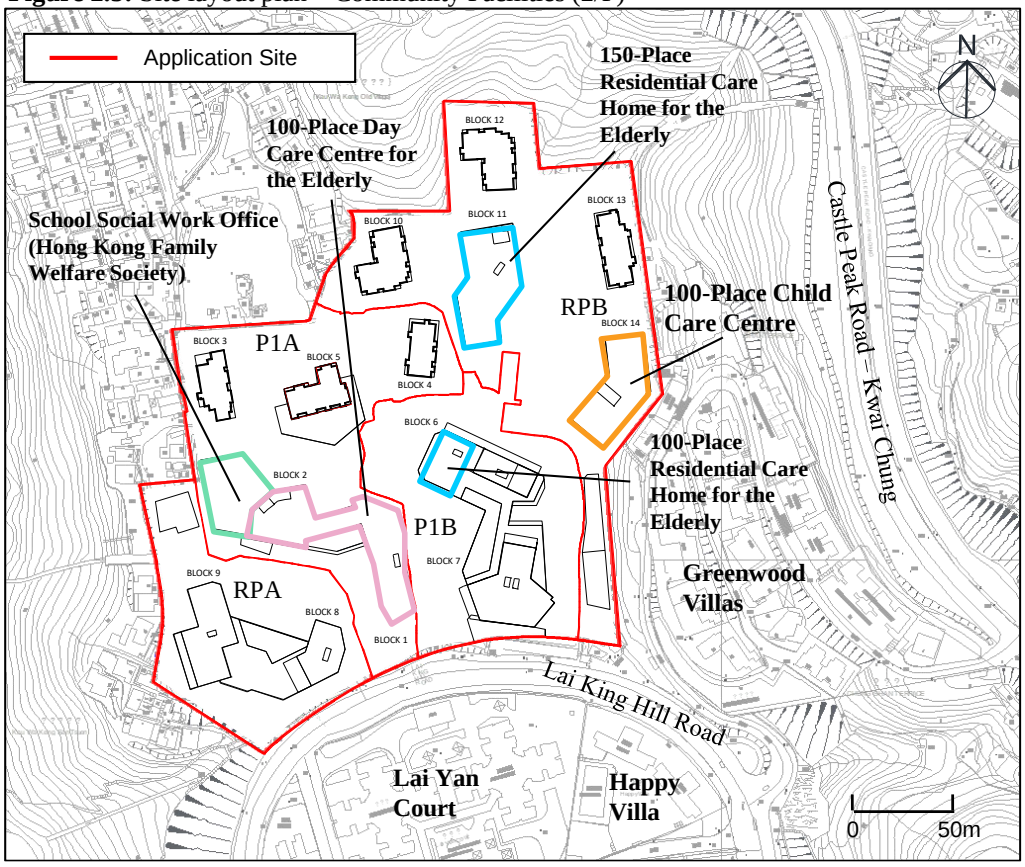


Figure 2.6: Site layout plan – Community Facilities (3/F)

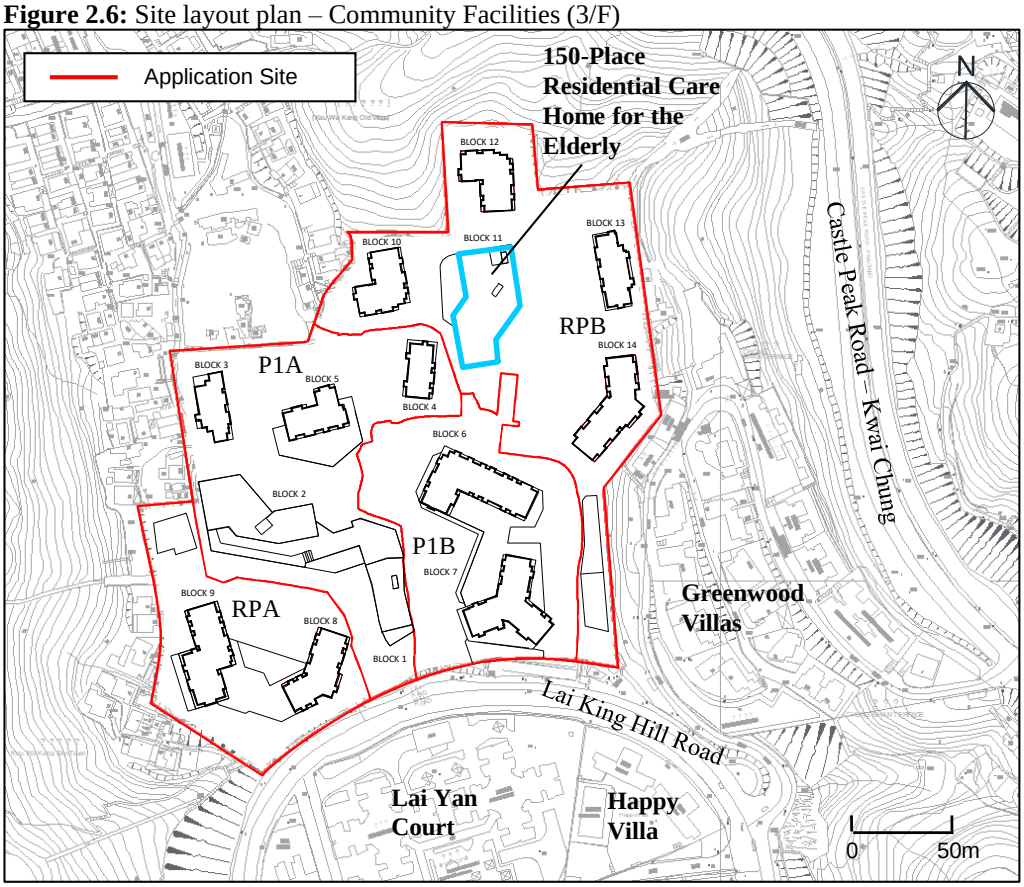


Figure 2.7a: Typical floor plan of Block 1 (1/F – 29/F)

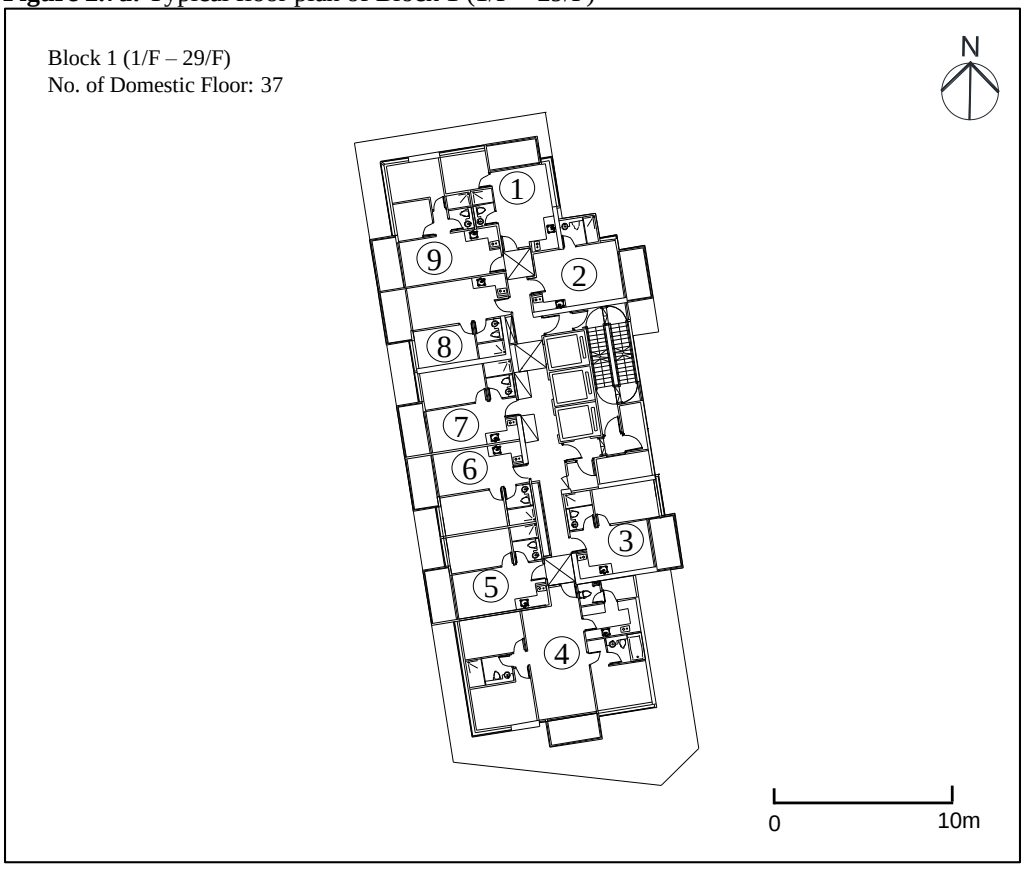


Figure 2.7b: Typical floor plan of Block 1 (30/F – 37/F)

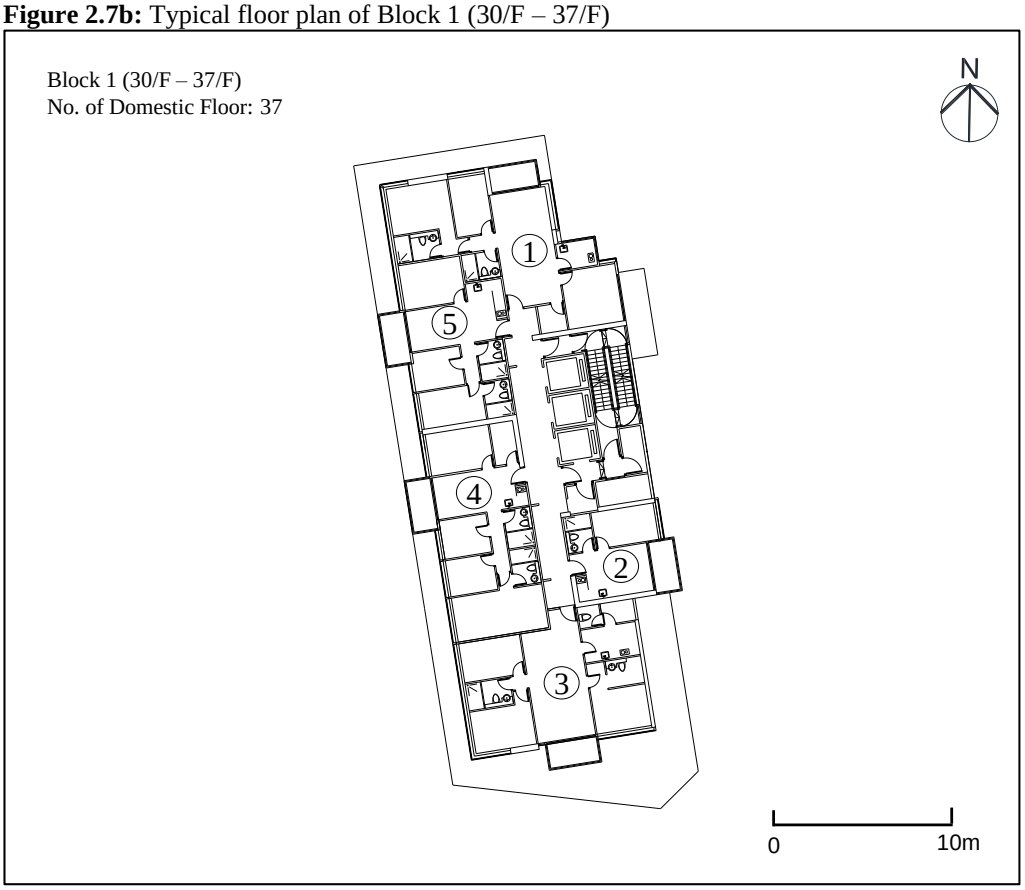


Figure 2.8: Typical floor plan of Block 2

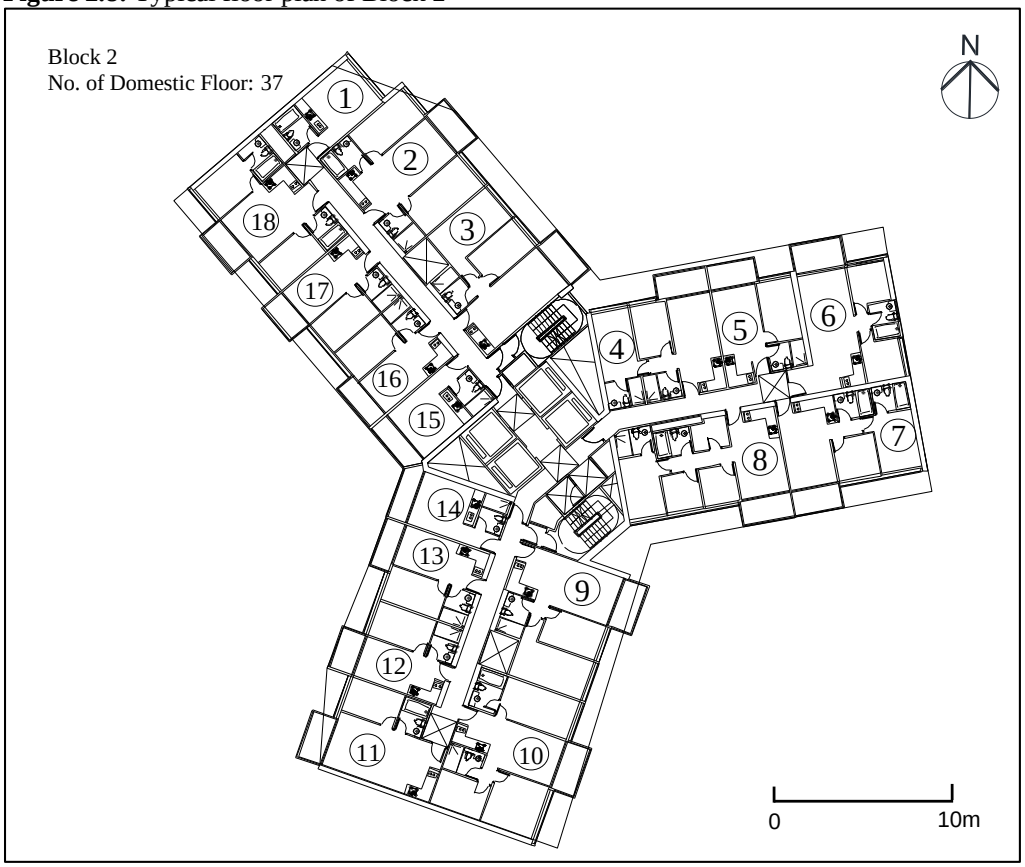


Figure 2.9: Typical floor plan of Block 3

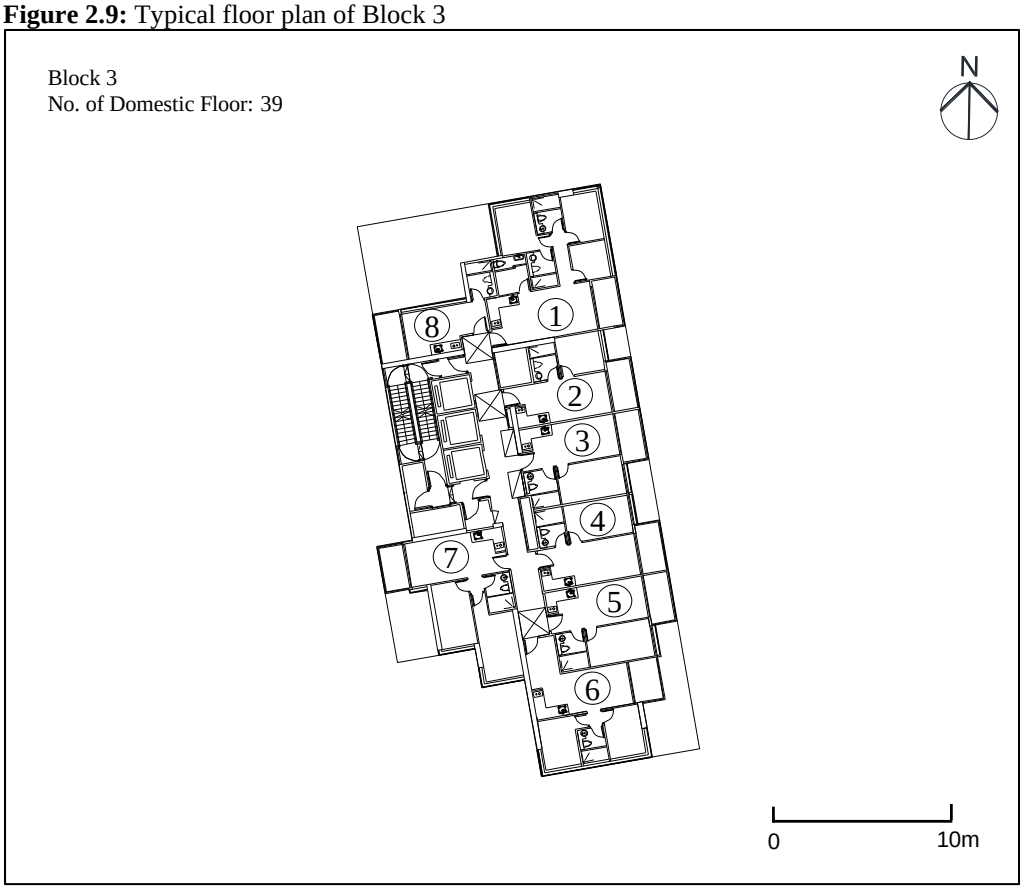


Figure 2.10: Typical floor plan of Block 4

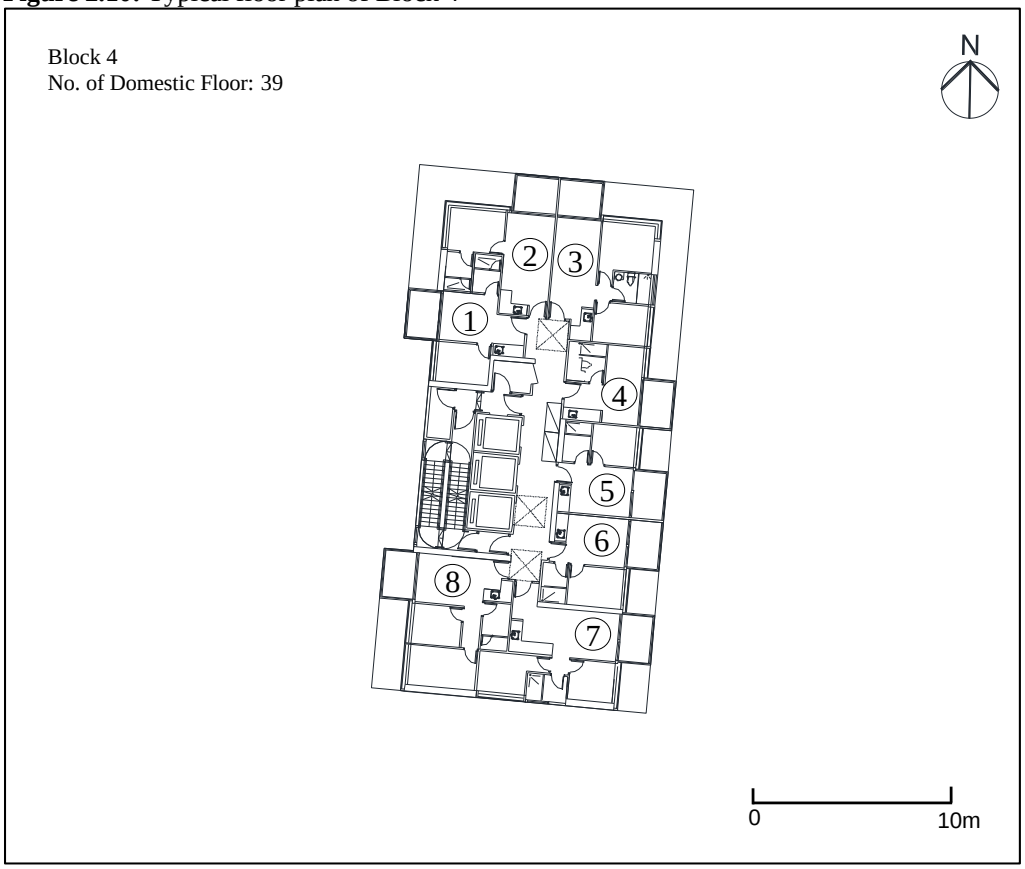


Figure 2.11: Typical floor plan of Block 5

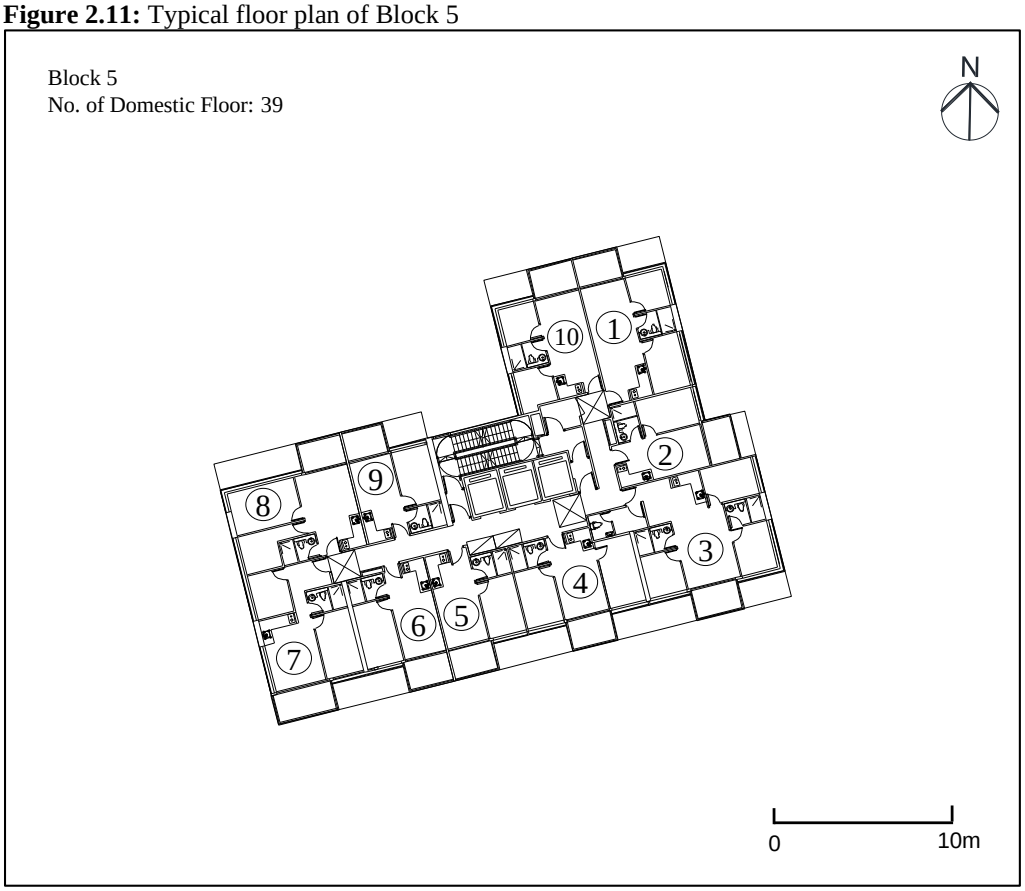


Figure 2.12: Typical floor plan of Block 6

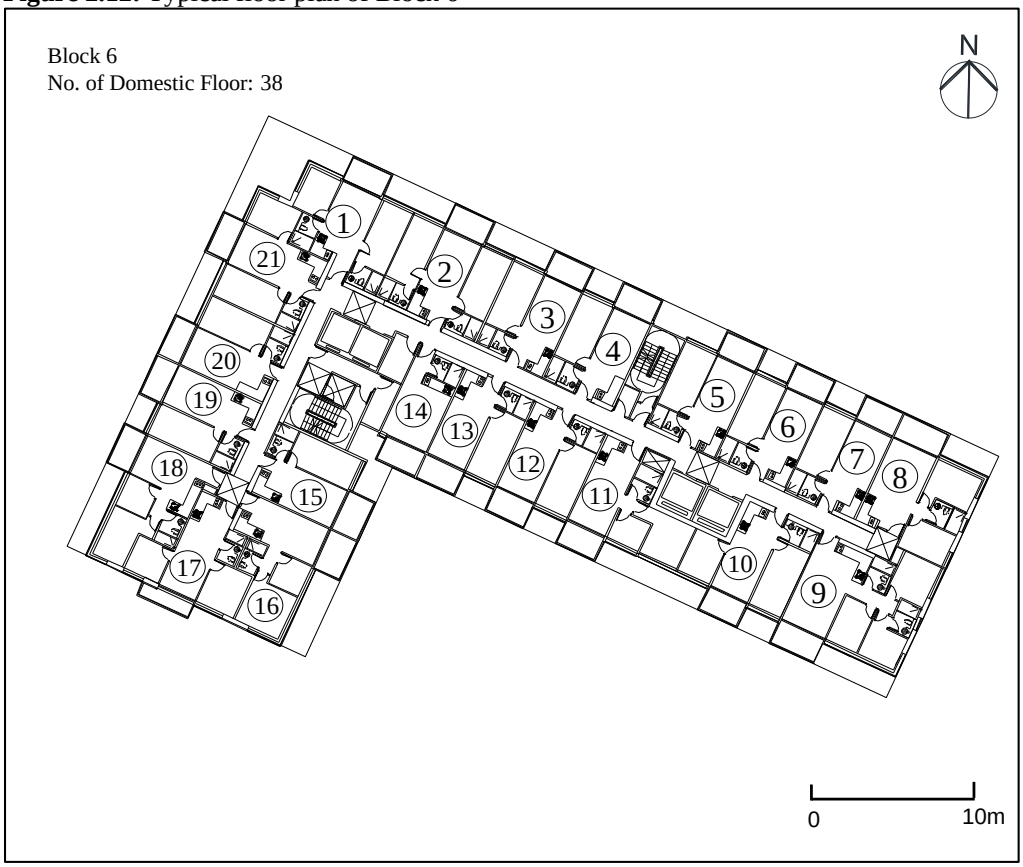


Figure 2.13a: Typical floor plan of Block 7 (1/F – 32/F)

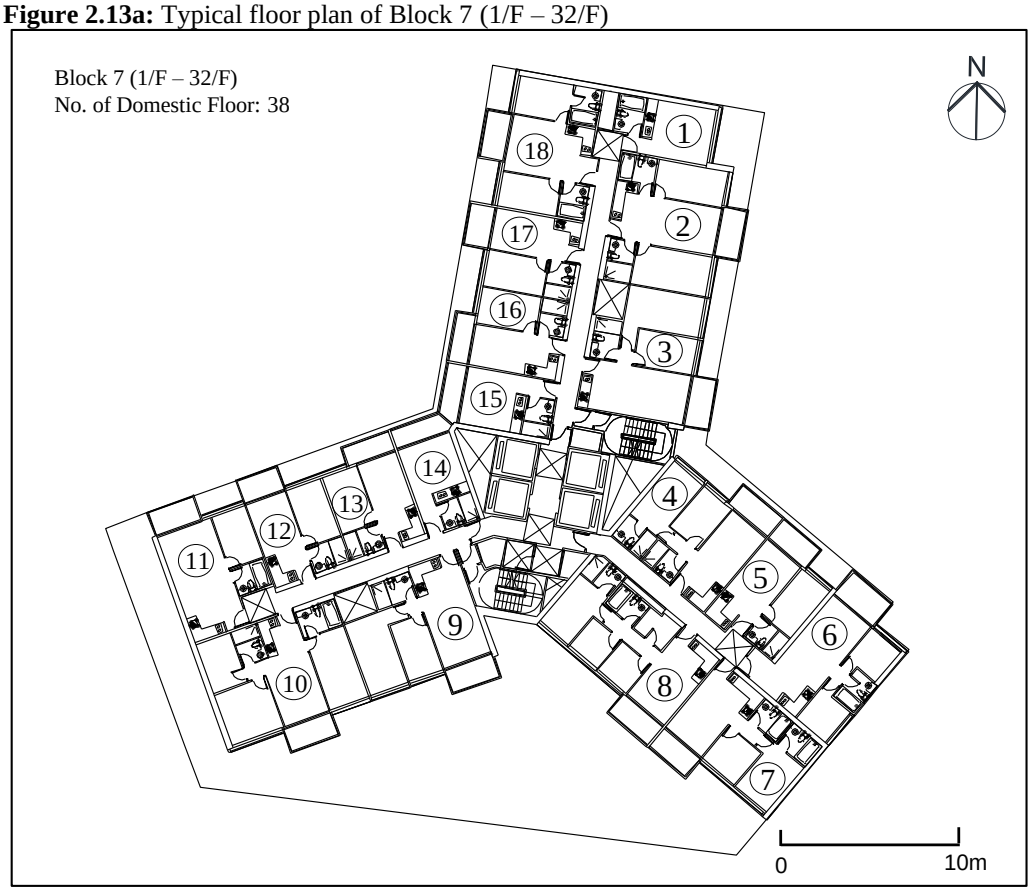


Figure 2.13b: Typical floor plan of Block 7 (33/F – 38/F)

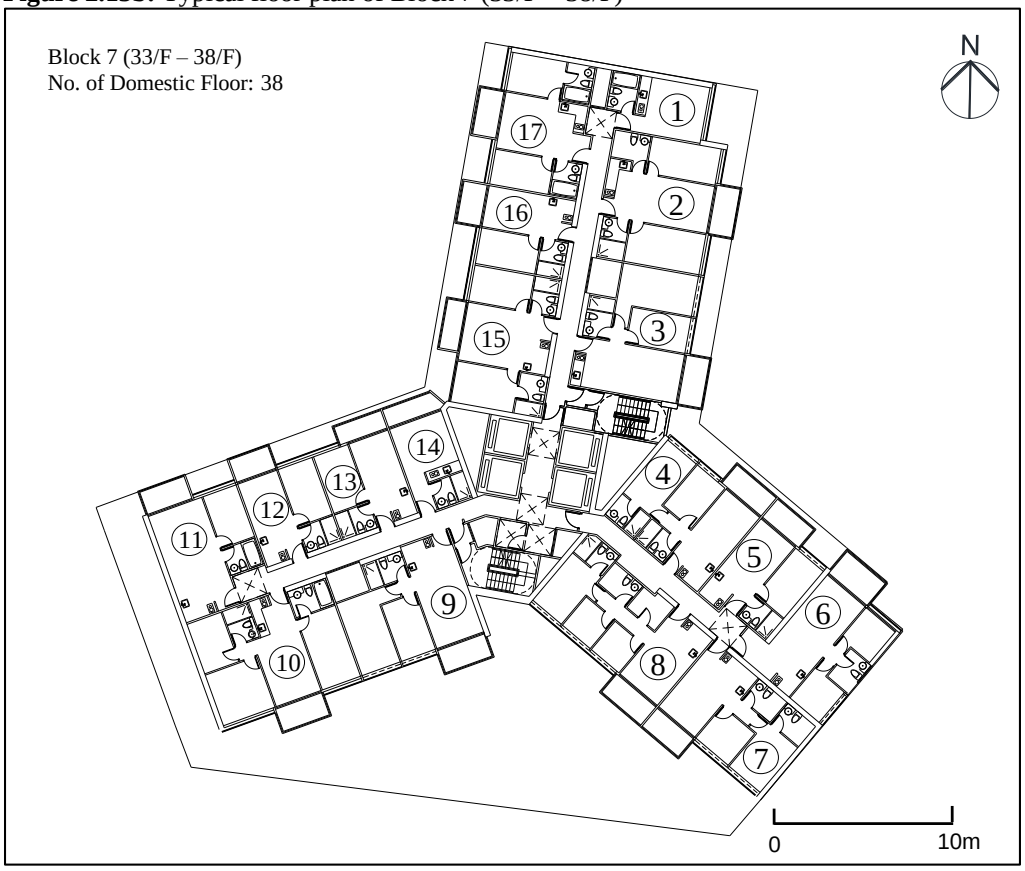


Figure 2.14: Typical floor plan of Block 8

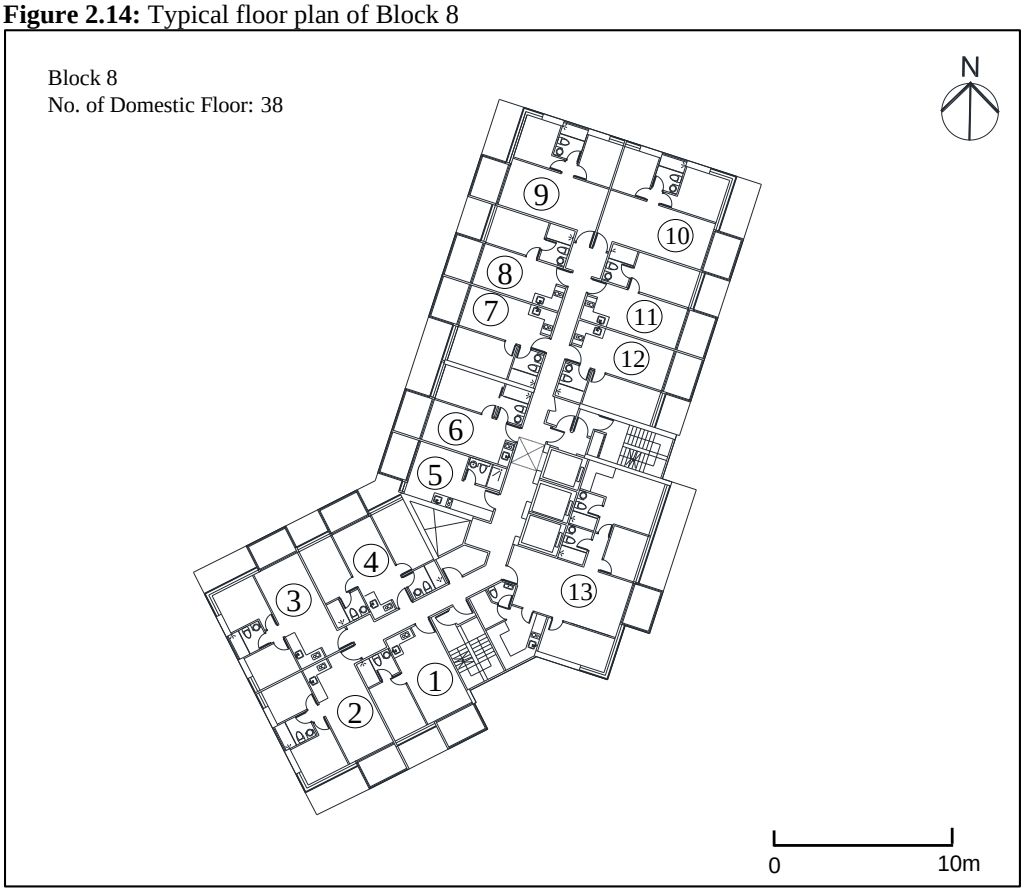


Figure 2.15a: Typical floor plan of Block 9 (1/F – 9/F)

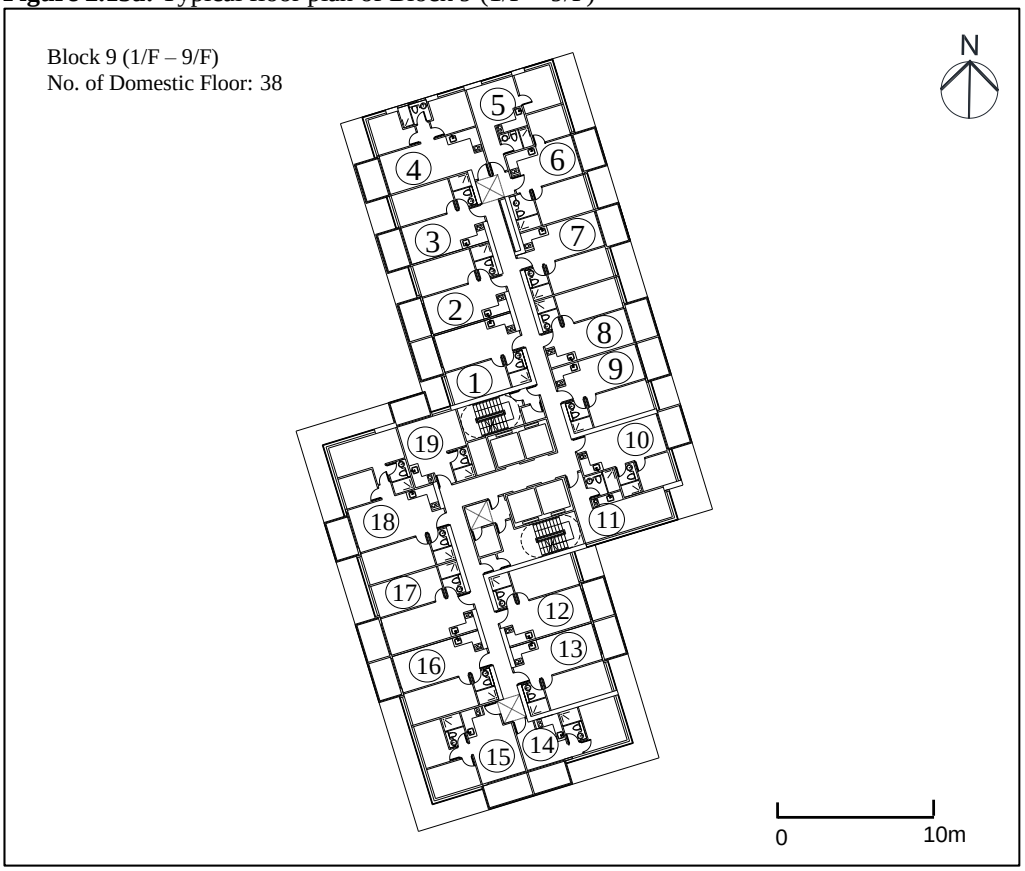


Figure 2.15b: Typical floor plan of Block 9 (10/F – 38/F)

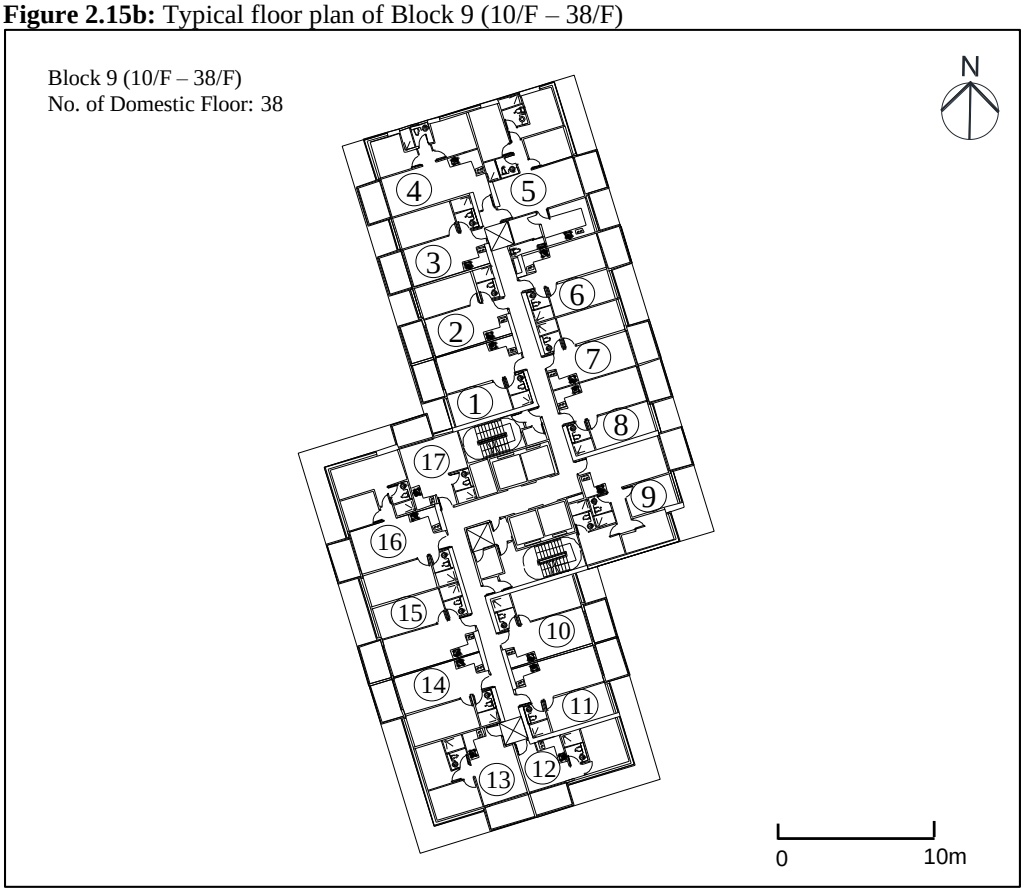


Figure 2.16a: Typical floor plan of Block 10 (1/F – 25/F)

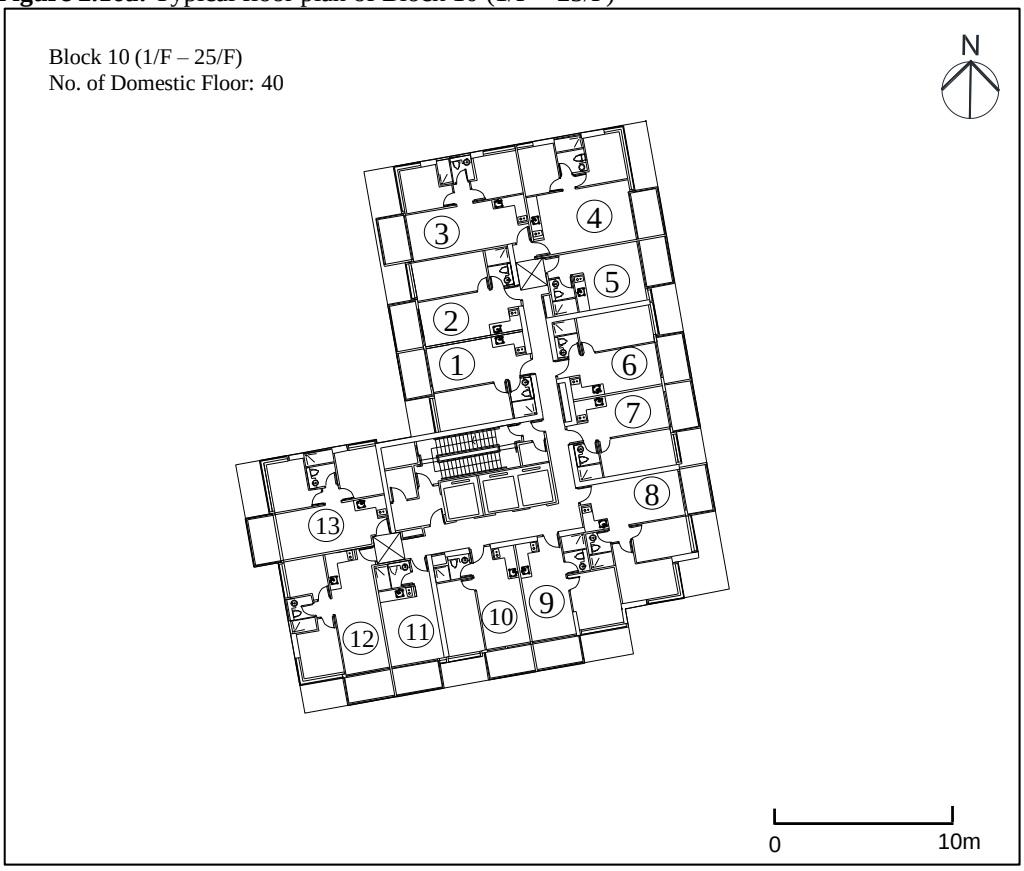


Figure 2.16b: Typical floor plan of Block 10 (26/F – 40/F)

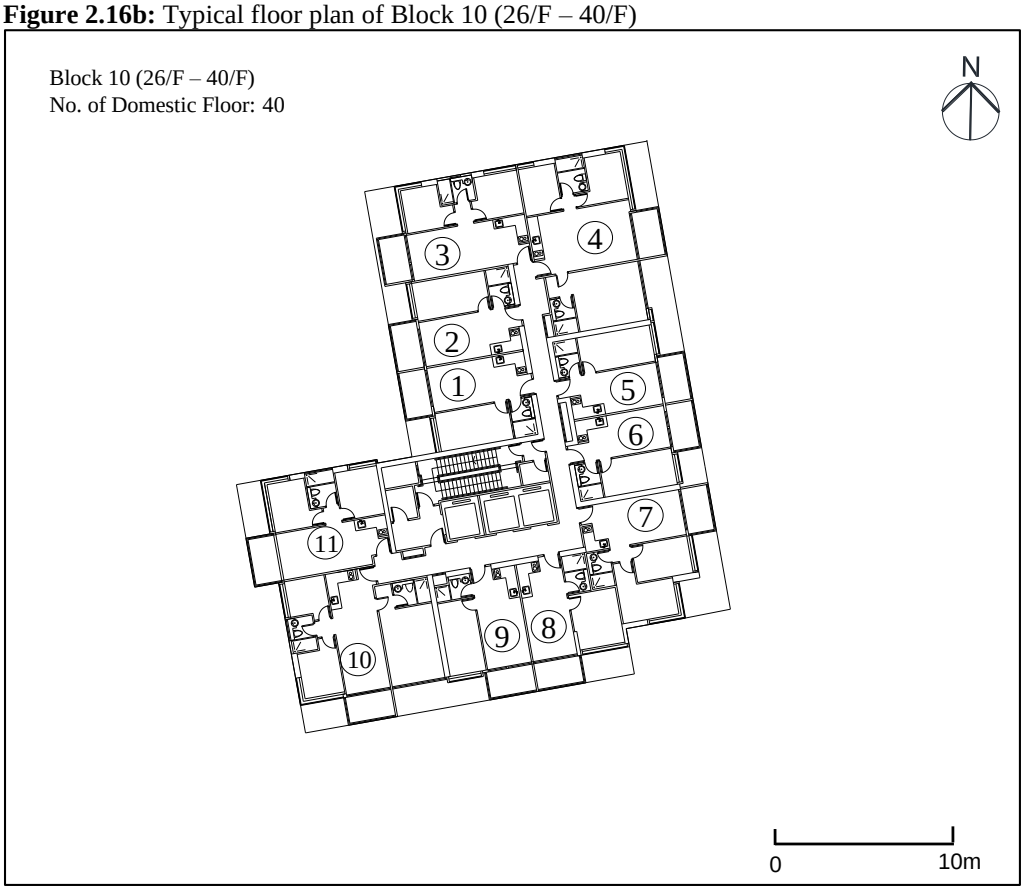


Figure 2.17: Typical floor plan of Block 11

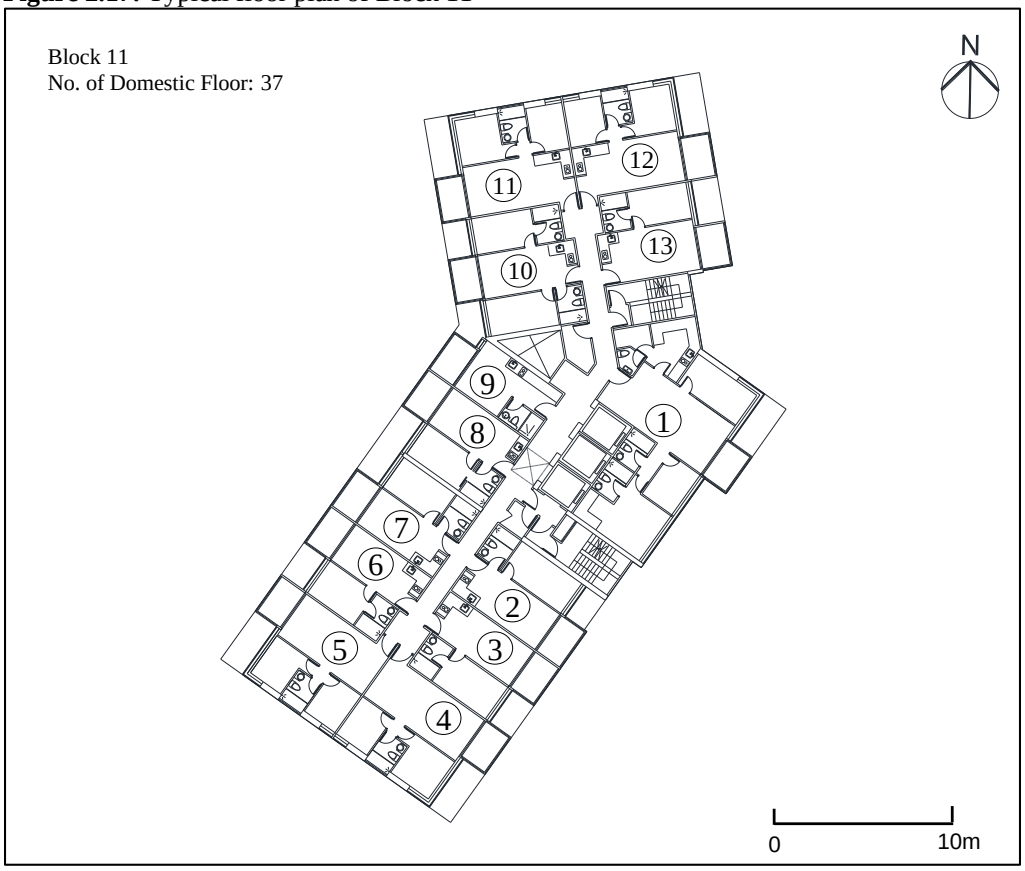


Figure 2.18a: Typical floor plan of Block 12 (1/F – 24/F)

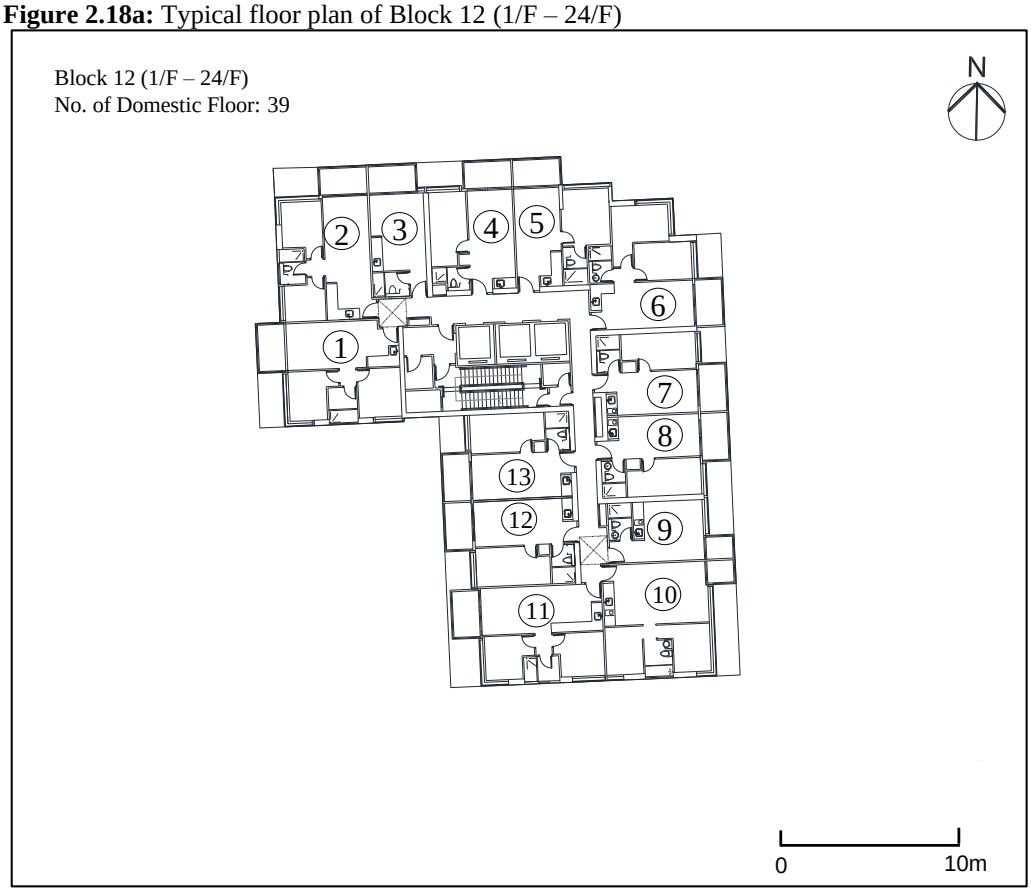


Figure 2.18b: Typical floor plan of Block 12 (25/F – 39/F)

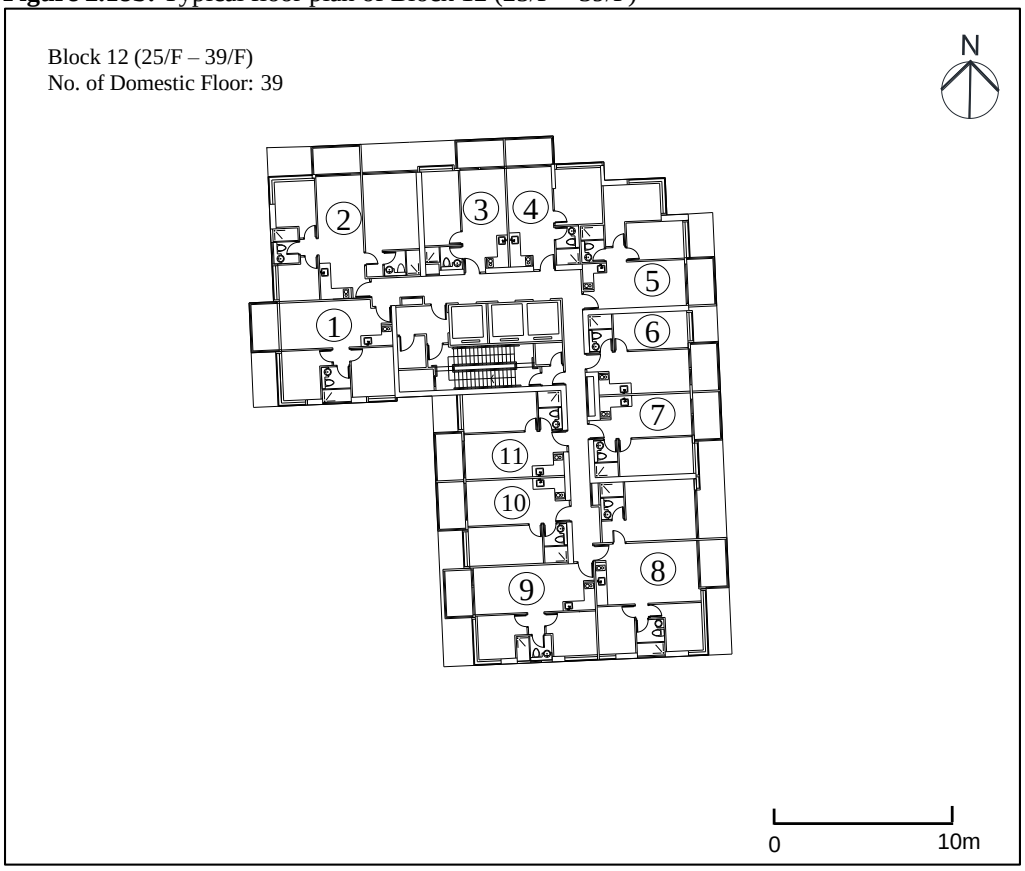


Figure 2.19: Typical floor plan of Block 13

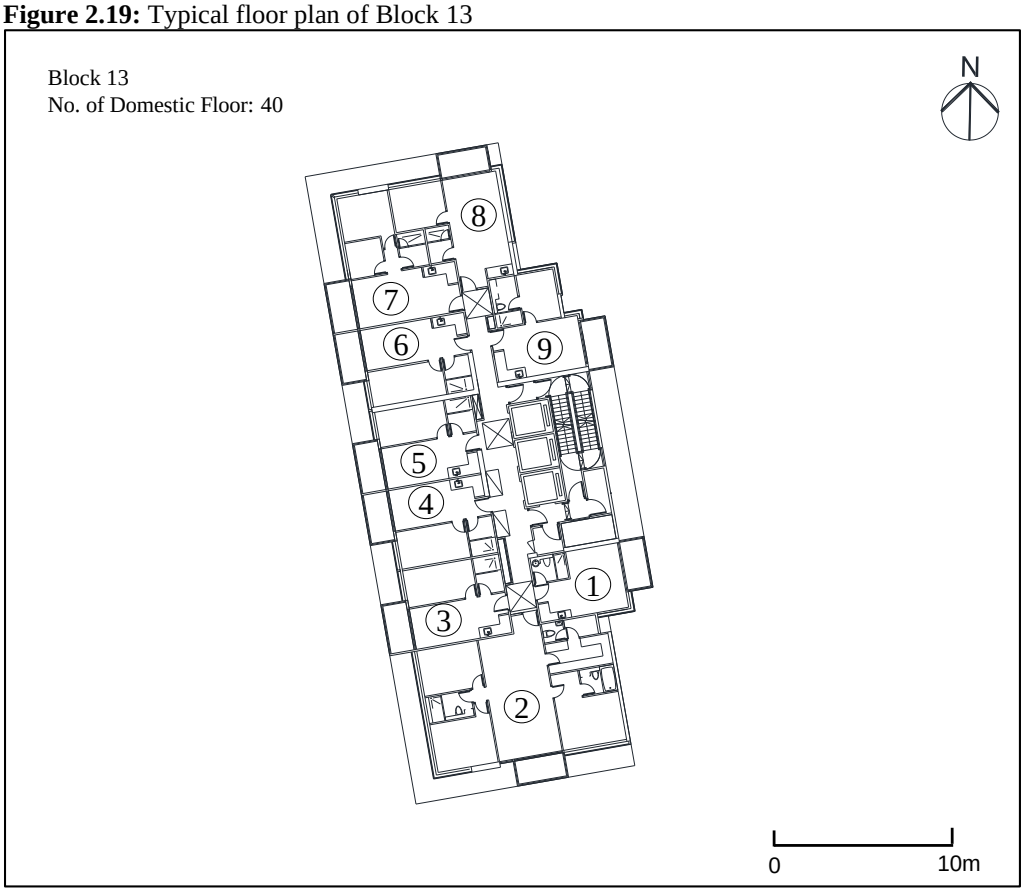
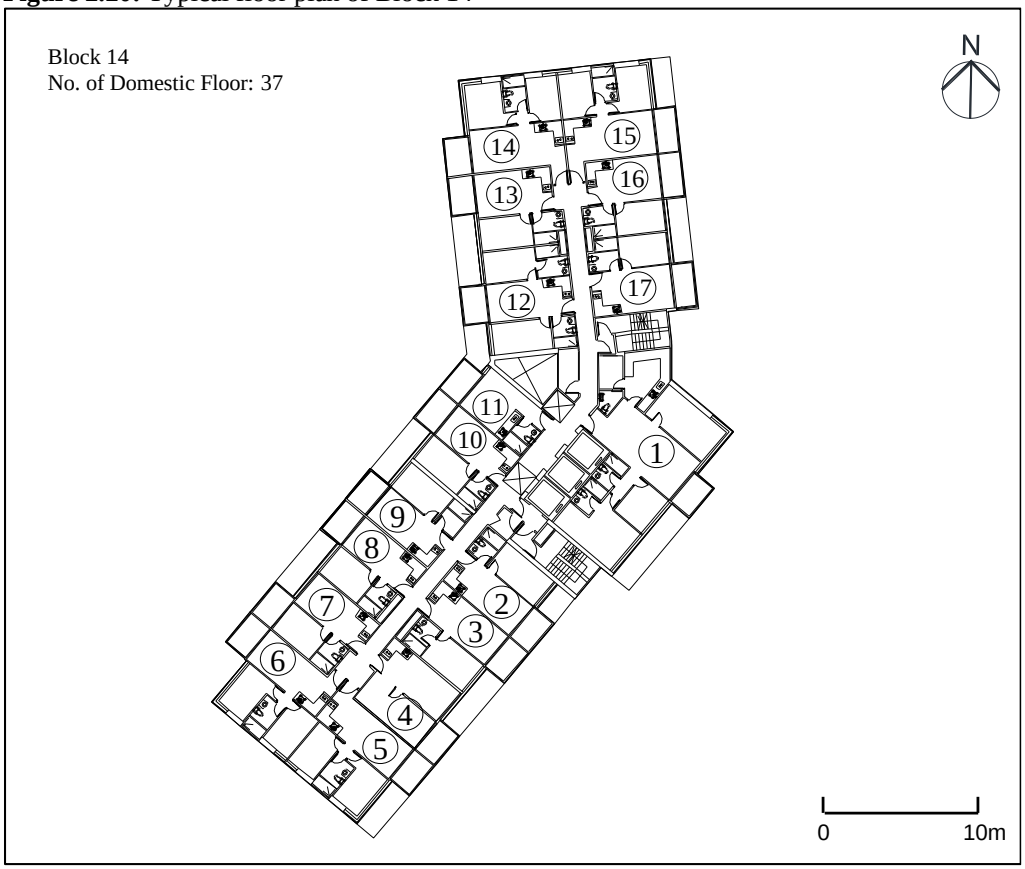


Figure 2.20: Typical floor plan of Block 14



2.2.1.3 The key development parameters for the Application Site are given in **Table 2.1**. The detailed layout plans and schematic section drawings are provided in the Planning Statement.

Table 2.1: Key domestic development parameters for the proposed development

Parameters	Phase 1A	Phase 1B	Remaining Phase A	Remaining Phase B
	Blocks 1-5	Blocks 6-7	Block 8- 9	Blocks 10-14
No. of residential storeys	37 (Block 1 & 2) 39 (Blocks 3, 4 & 5)	38	38	37 (Blocks 11 & 14) 39 (Block 12) 40 (Blocks 10 & 13)
Floor to floor height (m)	3.15 [1]	3.15 [1]	3.15 [1]	3.15 [1]
First NSR level (mPD)	30.2 (Blocks 1 & 2) 15.2 (Block 3) 17.2 (Block 4) 20.2 (Block 5)	25.7	25.2	17.2 (Block 10) 32.2 (Block 11) 24.2 (Block 12) 21.2 (Block 13) 27.2 (Block 14)
Main roof level (mPD) [2]	145.55 (Blocks 1 & 2) 136.55 (Block 3) 138.55 (Block 4) 141.85 (Block 5)	144.2	143.7	142.0 (Block 10) 147.55 (Block 11) 145.85 (Block 12) 146.0 (Block 13) 142.55 (Block 14)
Number of flats per floor	Block 1: 9 (1/F – 29/F), 5 (30/F – 37/F) Block 2: 18 Block 3: 8	Block 6: 21 Block 7: 18 (1/F – 32/F), 17 (33/F –	Block 8: 13 Block 9: 18 (1/F – 9/F), 17 (10/F –	Block 10: 13 (1/F – 25/F), 11 (26 – 40/F) Block 11: 13 Block 12: 13 (1/F –

Parameters	Phase 1A	Phase 1B	Remaining Phase A	Remaining Phase B
	Blocks 1-5	Blocks 6-7	Block 8- 9	Blocks 10-14
	Block 4: 8 Block 5: 10	38/F)	38/F)	24/F), 11 (25/F – 39/F) Block 13: 9 Block 14: 17
Total number of flats	1,981	1,476	1,158	2,437
Anticipated Total Population	19,038			
Proposed completion year	2032			
Proposed full intake year	2035			

Note:
[1] For modelling purpose, a floor-to-floor height of 3.1m is adopted.
[2] For modelling purpose, the main roof level of 145.5mPD, 136.5mPD, 138.5mPD, and 141.8mPD are assumed for Phase 1A Blocks 1 & 2, Block 3, Block 4 and Block 5 respectively, the main roof level of 147.5mPD, 145.8mPD, and 142.5mPD are assumed for Remaining Phase B Block 11. Block 12 and Block 14 respectively.

2.3 EIAO Implication

2.3.1.1 This section is to identify if the proposed works/facilities of the development would constitute any Designated Project(s) (DPs) under the Environmental Impact Assessment Ordinance (EIAO). Details are discussed below.

Engineering Feasibility Study for Urban Development Projects

2.3.1.2 The proposed development site is a residential development with site area less than 50ha, and hence it does not fall into any Schedule 3 of EIAO.

Road Works

2.3.1.3 The Site is currently served by Lai King Hill Road. According to the Annual Traffic Census 2022 published by the TD, Lai King Hill Road is classified as District Distributor (DD). Ingress and egress points of the Site will be provided at Lai King Hill Road which is considered as minor work only. The bus lay-by is proposed to be reprovision and there is no change in the road kerb of the traffic lane and increase in traffic capacity of the road. Therefore, it does not fall into the category of Item A.1 of Schedule 2 of EIAO and does not constitute a DP under EIAO.

Drainage Works

2.3.1.4 There are existing watercourses running within and in close vicinity of the proposed development. Watercourses within the proposed development would be replaced by a proposed local drainage system that connects to the existing downstream drainage system. The watercourse in the directly upstream of the proposed development would be diverted to the existing downstream drainage system via proposed drainage channels or box culverts,

under different development scenarios. The changes in total flow discharged to existing drainage system will be minor and no adverse drainage impact is expected. The stormwater from the proposed development is proposed to be discharged into the proposed local drainage system and then the existing downstream drainage box culvert along the Lai King Hill Road.

2.3.1.5 The diversion works are not classified as Item I.1 of Schedule 2 of EIAO because the widths of all corresponding channels are less than 100m and which discharge. As confirmed by the Engineers, all proposed drainage works will not encroach into the 300m distance from the nearest boundary of the sensitive areas listed in Item I.1. Therefore, the proposed drainage works do not fall into the category of Item I.1 of Schedule 2 of EIAO and do not constitute a DP under EIAO.

Works within Nearby Sensitive Areas Listed in Item Q.1

2.3.1.6 All works of the Project will not encroach in an existing or gazetted proposed country park or special area, a conservation area, an existing or gazetted proposed marine park or marine reserve, a site of cultural heritage, and a site of special scientific interest. Therefore, the proposed works for the Site do not fall into the category of Item Q.1 of Schedule 2 of EIAO and do not constitute a DP under EIAO.

3 Site Inspection

3.1.1.1 Site visit was carried out in April 2024. Photographs taken at the Site and the neighbouring areas are given in **Photo 3.1** to **Photo 3.12** below.

3.1.1.2 The Application Site (**Photo 3.1**) is currently occupied by village houses (**Photo 3.2**). The Site is bounded by Lai King Hill Road (**Photo 3.3**) to the south and Castle Peak Road – Kwai Chung (**Photo 3.4**) to the further east. Temples (**Photo 3.5**) and village houses (**Photo 3.6**) are located to the north of the Application Site. The Site is surrounded by high-rise residential developments to the south (i.e. Happy Villa and Wah Lai Estate) (**Photo 3.7**) and medium residential developments to the east (i.e. Chung Shan Terrace) (**Photo 3.8**). Princess Margaret Hospital (**Photo 3.9**) and Kwai Chung Hospital (**Photo 3.10**) is located to the southwest of the Application Site, where chillers/condensers were observed on the rooftop and ground floor of the buildings. Kau Wa Keng Pumping Station (**Photo 3.11**) and the bus depot at King Lai Path (**Photo 3.12**) are found further away to the east and south of the Application Site, respectively.

3.1.1.3 Based on site observation, the noise climate in the vicinity of the Application Site was dominated by road traffic noise from Lai King Hill Road. No noisy activities or operation were observed at the pumping stations and hospitals, and no significant noise were perceived at the Site.

Photo 3.1: Application Site	**Photo 3.2: Village Houses at Kau Wa Keng**
	
Photo 3.3: Lai King Hill Road	**Photo 3.4:** Castle Peak Road – Kwai Chung
	

Photo 3.5: Temple	**Photo 3.6**: Village Houses
	
Photo 3.7: Happy Villa and Wah Lai Estate	**Photo 3.8:** Chung Shan Terrace
	
Photo 3.9: Princess Margaret Hospital	**Photo 3.10:** Kwai Chung Hospital
	
Photo 3.11: Kau Wa Keng Pumping Station	**Photo 3.12:** Bus Depot at King Lai Path
	

4 Road Traffic Noise Impact Assessment

4.1 Concerned Road Sections and Noise Sensitive Receivers

4.1.1.1 The noise climate in the vicinity of the Application Site was generally dominated by road traffic noise from Lai King Hill Road and Castle Peak Road – Kwai Chung.

4.1.1.2 With reference to the HKPSG, Noise Sensitive Receivers (NSRs) shall include residential uses (all domestic premises including temporary housing accommodation), institutional uses (educational institutions including kindergarten, child care centres and all others where unaided voice communication is required), hotels, hostels, offices, places of public worship, courts of law, hospitals, clinics, convalescences, residential care homes for the elderly, amphitheatres, auditoria, libraries, performing arts centres and country parks. Based on the current development plan, the proposed residential towers and proposed community facilities such as the RCHE, CCC, DCCE, SSWO, HCS, NEC, OPRS AND SCCC are regarded as NSRs.

4.2 Noise Criteria

4.2.1.1 In accordance with the HKPSG, the maximum permissible hourly road traffic noise levels at the external facades of different uses of NSRs for the proposed development are summarized in **Table 4.1**. These criteria apply to premises relying on opened windows as a primary means for ventilation.

4.2.1.2 As described in **Section 2.1**, the floor plans of community facilities are yet to be available at this Section 16 planning application stage. For the RCHE at Blocks 6, 7 and 11, openable windows shall be provided for the domestic uses of the RCHE. As confirmed by the Applicant, the proposed CCC, DCCE, SSWO, HCS, NEC, OPRS AND SCCC will be operating with central air-conditioning system and will not rely on openable window for ventilation. Hence, the noise criterion of HKPSG does not apply to the aforementioned community facilities.

Table 4.1: Summary of noise criteria for road traffic noise

Proposed/Developments Facilities	Noise Sensitive Room with Openable Windows for Ventilation [1]	Uses	Noise Standards for Road Traffic Noise, $L_{10(1\ hour)}$ dB(A)
Residential Blocks	Residential Units	Domestic	70
Residential Care Home for the Elderly at Block 6, 7 and 11	Domestic Rooms	Domestic	70

Note:
[1] The type of facilities and use of noise sensitive rooms are generally determined with respect to with reference to Table 4.1 of HKPSG, unless otherwise specified. All sensitive rooms which rely on opened windows for ventilation are identified.

4.3 Noise Assessment Points

4.3.1.1 Noise assessment points for the proposed residential blocks have been assigned to all openable windows of the NSRs for ventilation. For the RCHE at Blocks 6, 7 and 11, as the floor plans of the community facilities are not available at this stage, representative noise assessment points have been assigned to the external facades of the community facility. The locations of the selected assessment points are illustrated in **Figures 4.1 – 4.18**.

Figure 4.1a: Selected assessment points for Block 1 (1/F – 29/F) (road traffic noise assessment)

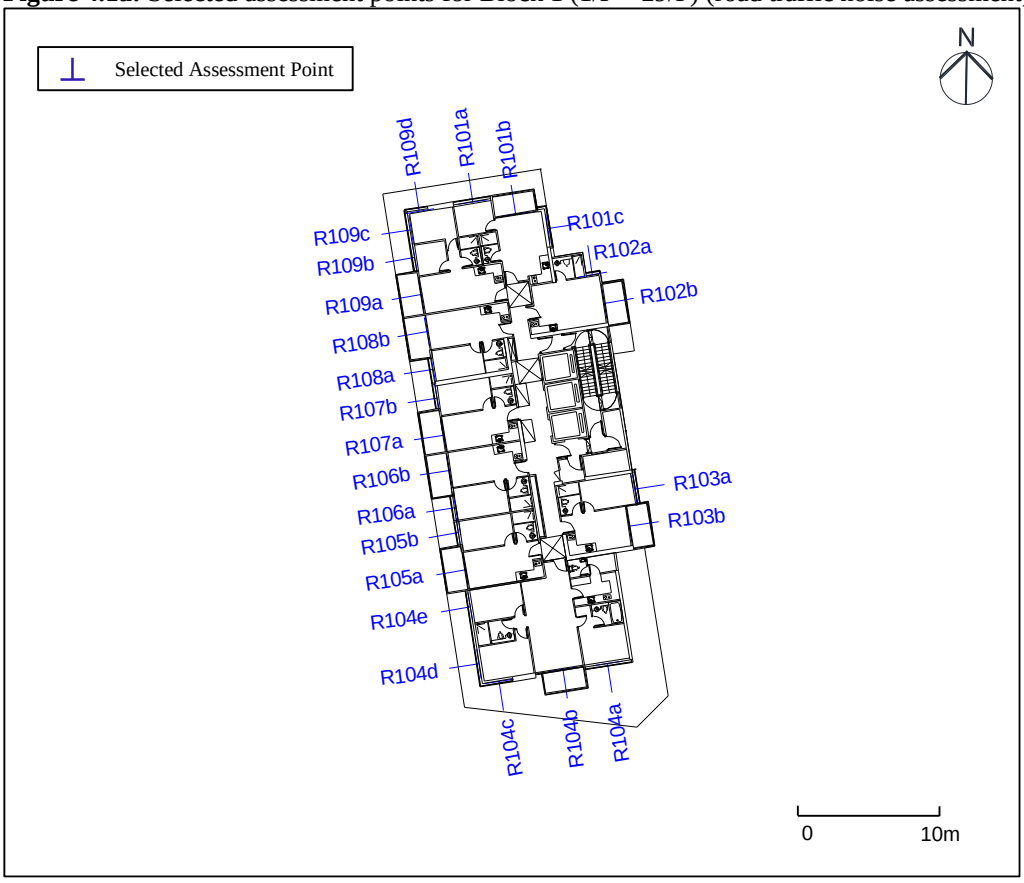


Figure 4.1b: Selected assessment points for Block 1 (30/F – 37/F) (road traffic noise assessment)

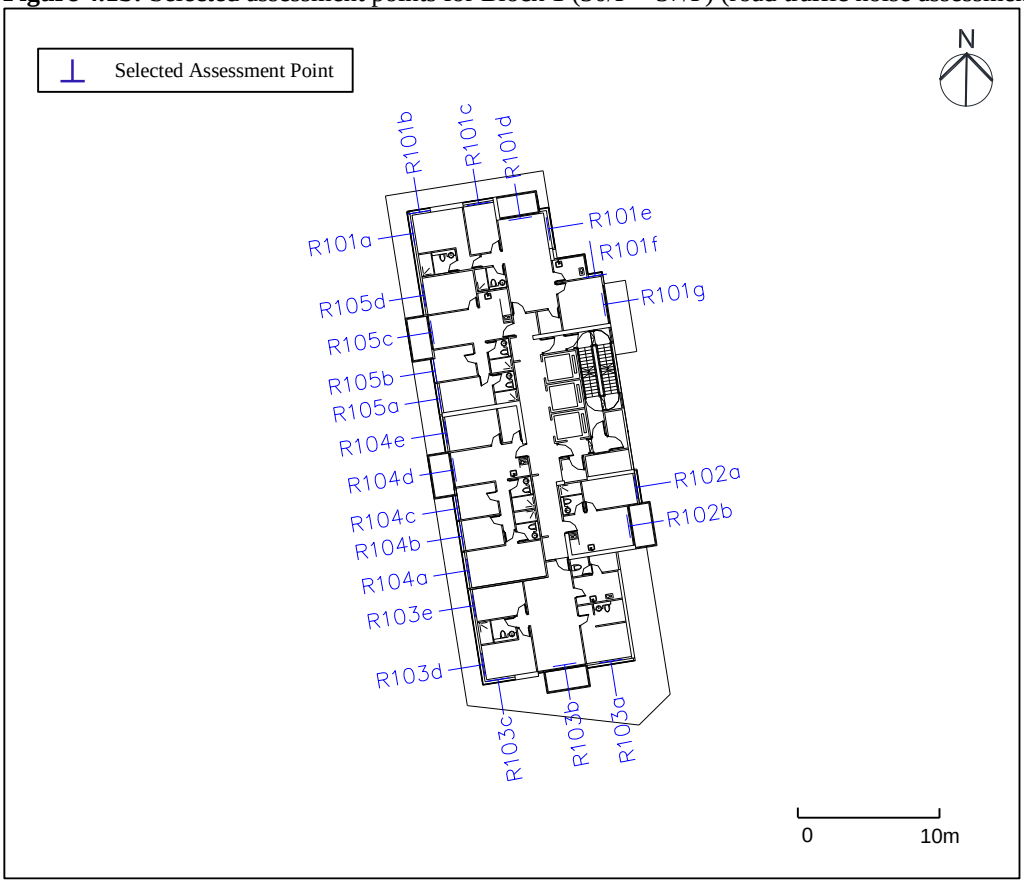


Figure 4.2: Selected assessment points for Block 2 (road traffic noise assessment)

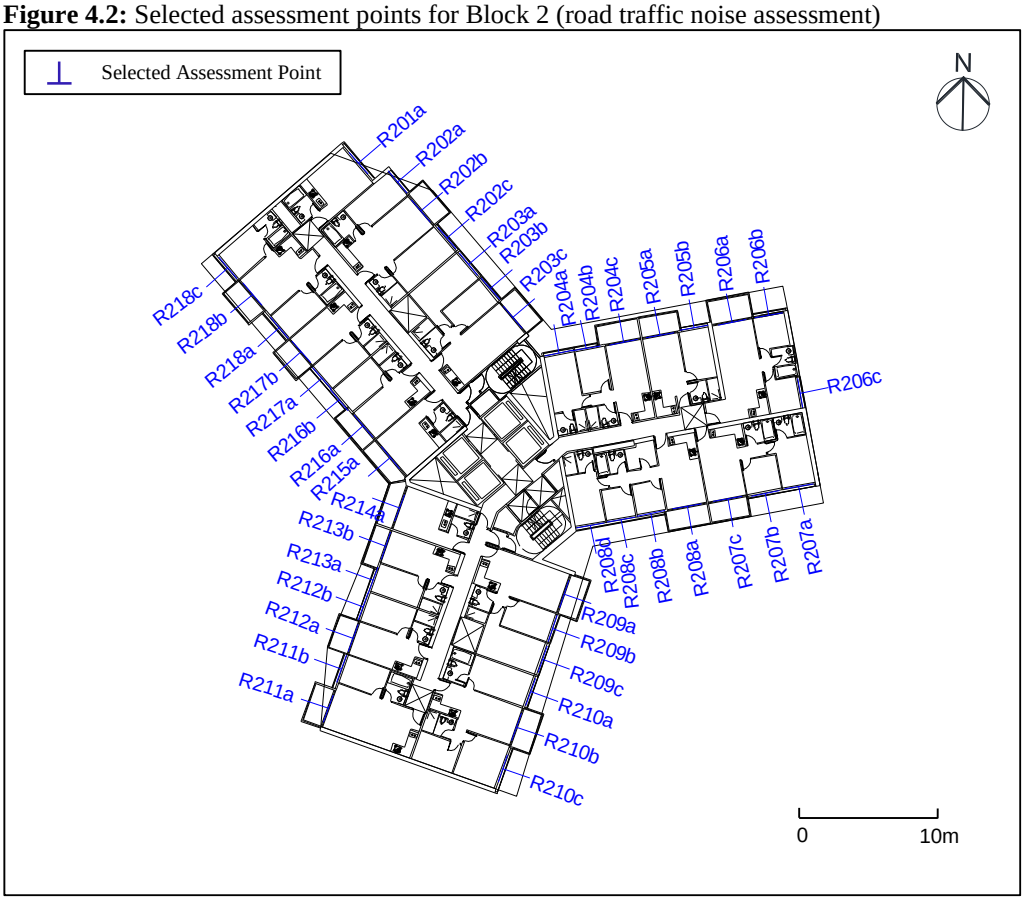


Figure 4.3: Selected assessment points for Block 3 (road traffic noise assessment)

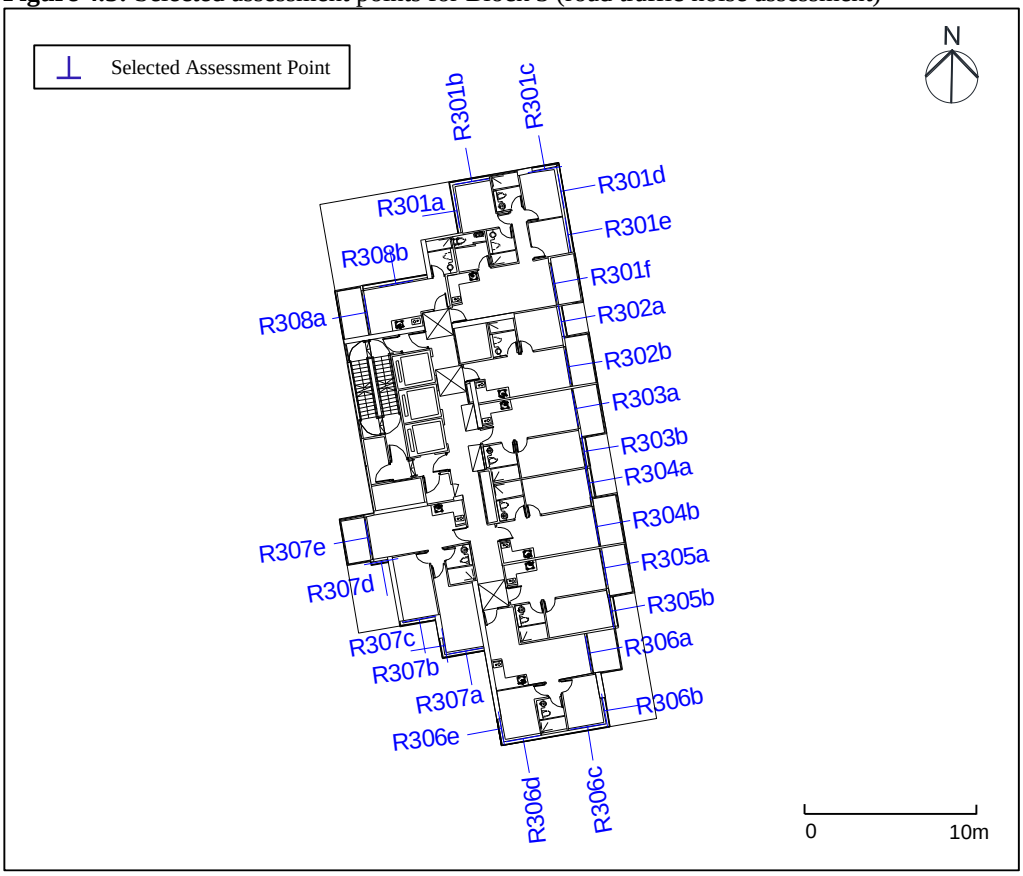


Figure 4.4: Selected assessment points for Block 4 (road traffic noise assessment)

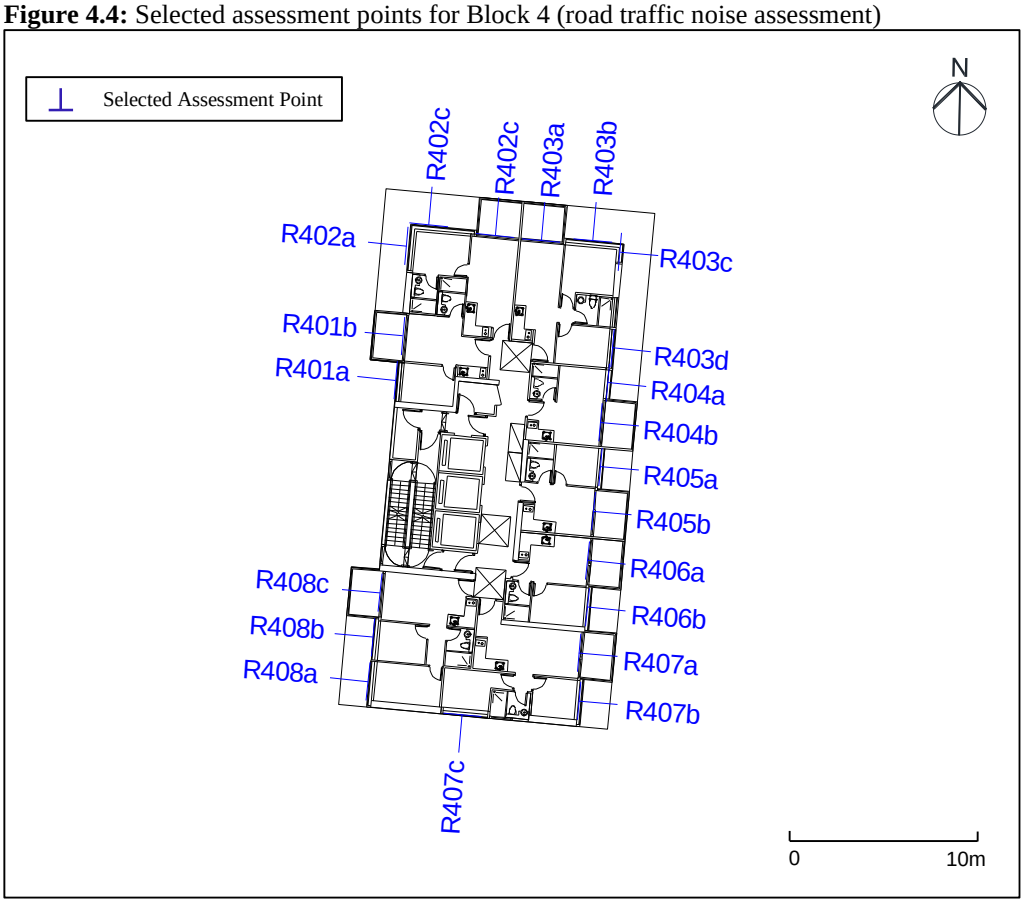


Figure 4.5: Selected assessment points for Block 5 (road traffic noise assessment)

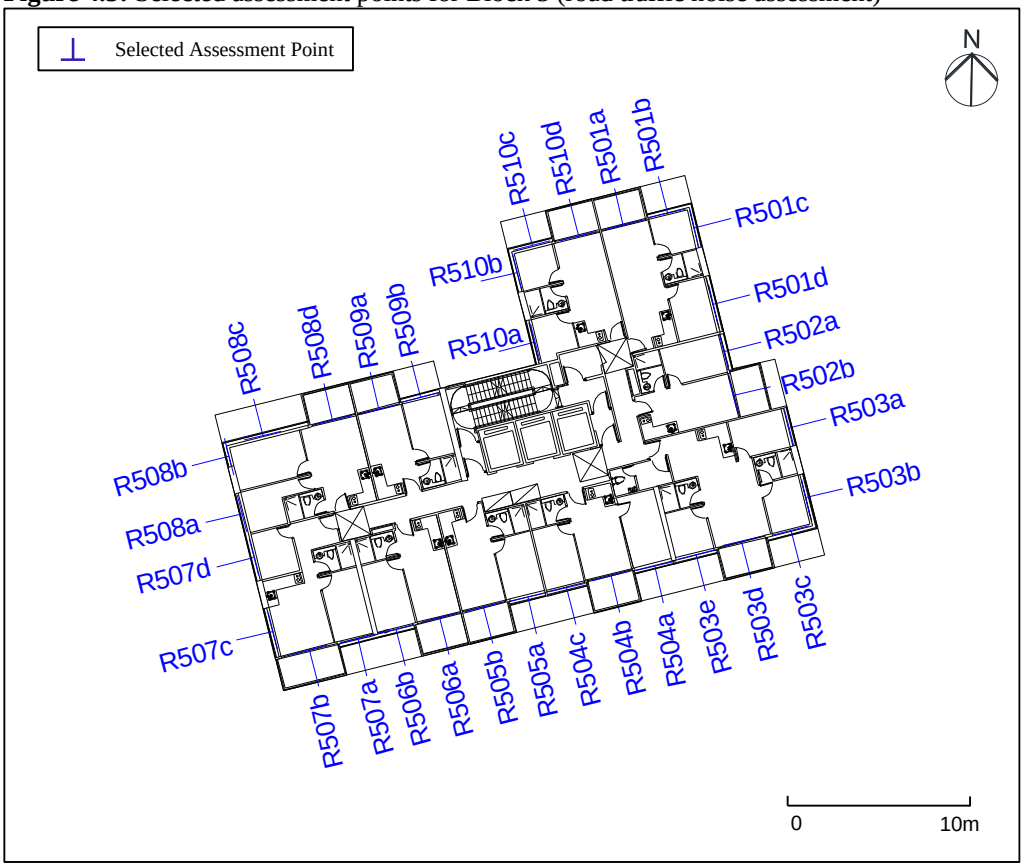


Figure 4.6: Selected assessment points for Block 6 (road traffic noise assessment)

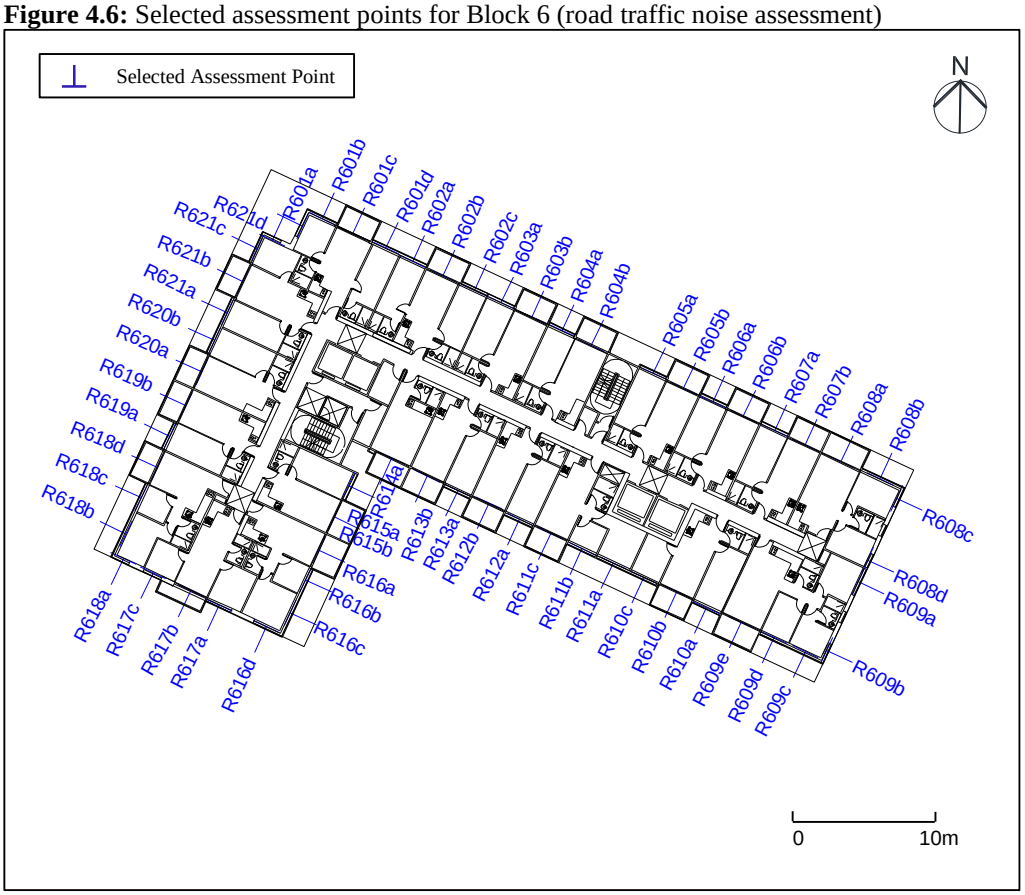


Figure 4.7a: Selected assessment points for Block 7 (1/F – 32/F) (road traffic noise assessment)

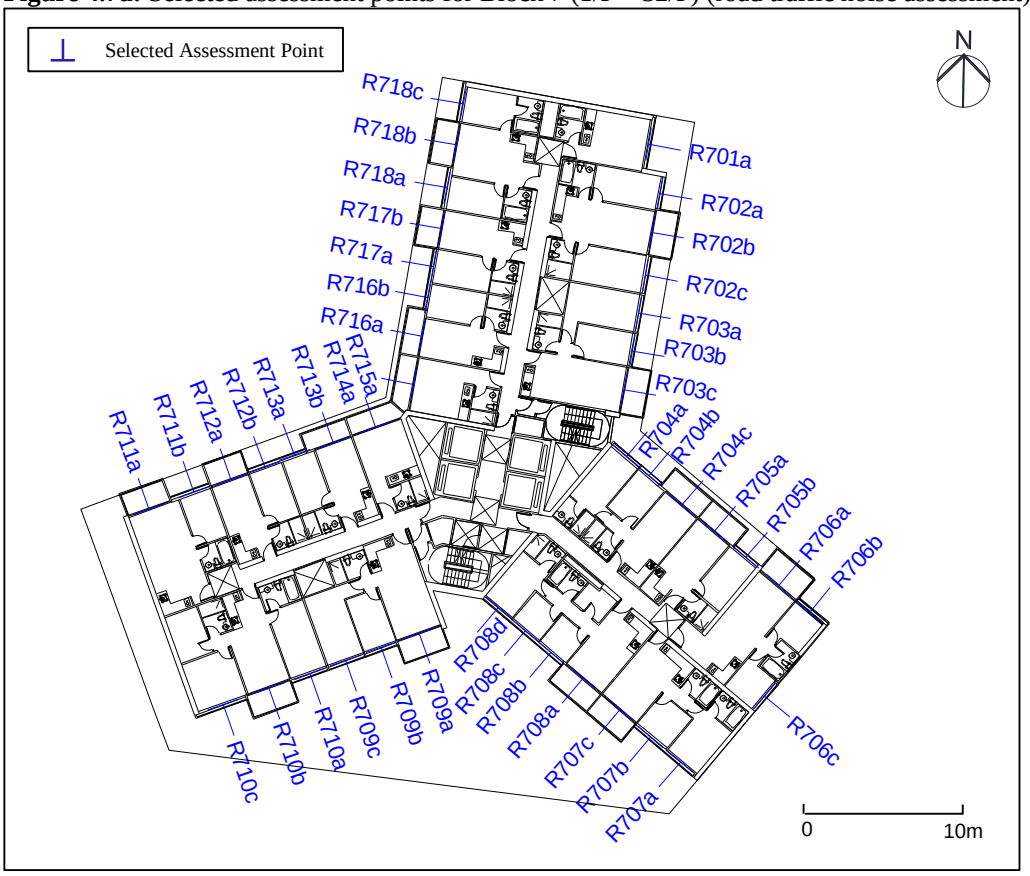


Figure 4.7b: Selected assessment points for Block 7 (33/F – 38/F) (road traffic noise assessment)

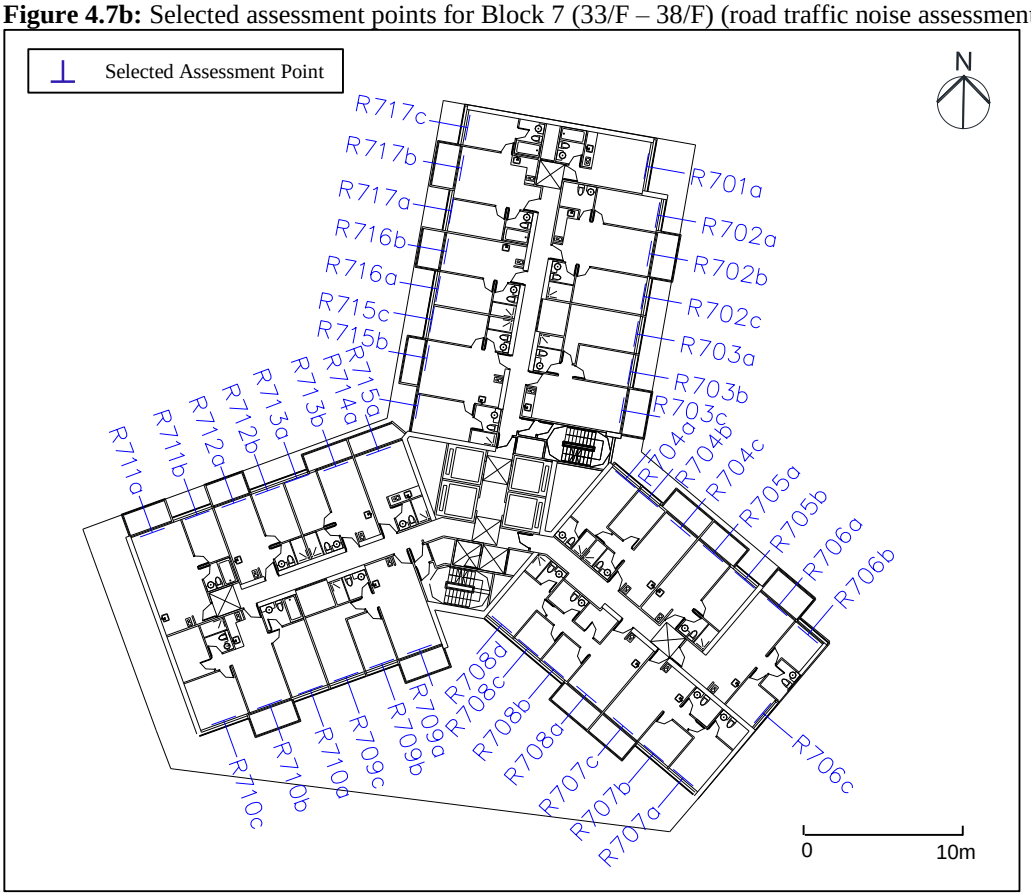


Figure 4.8: Selected assessment points for Block 8 (road traffic noise assessment)

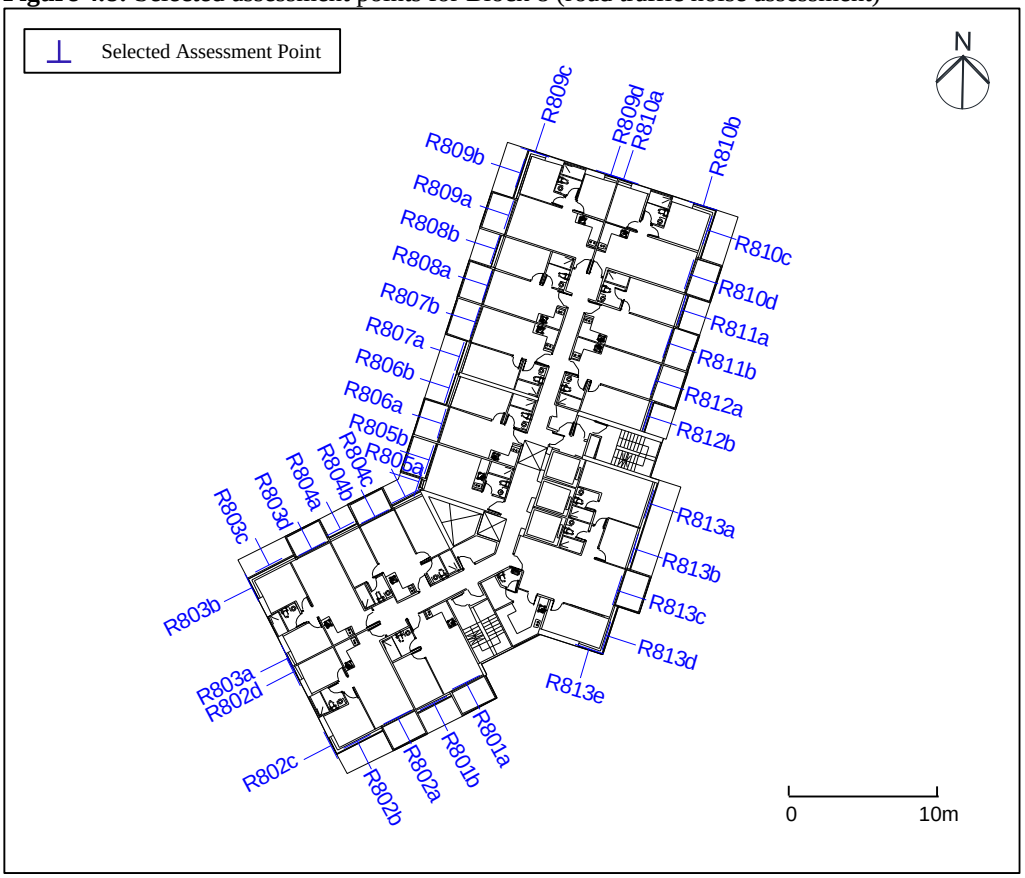


Figure 4.9a: Selected assessment points for Block 9 (1/F – 9/F) (road traffic noise assessment)

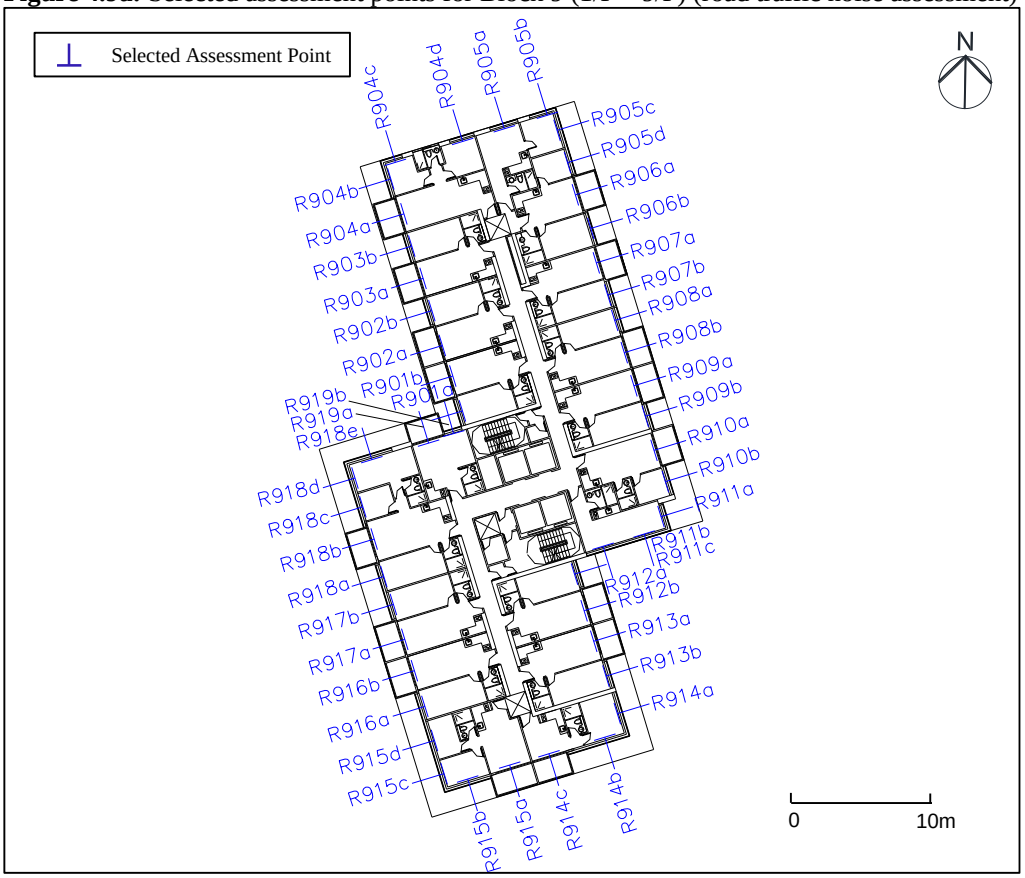


Figure 4.9b: Selected assessment points for Block 9 (10/F – 38/F) (road traffic noise assessment)

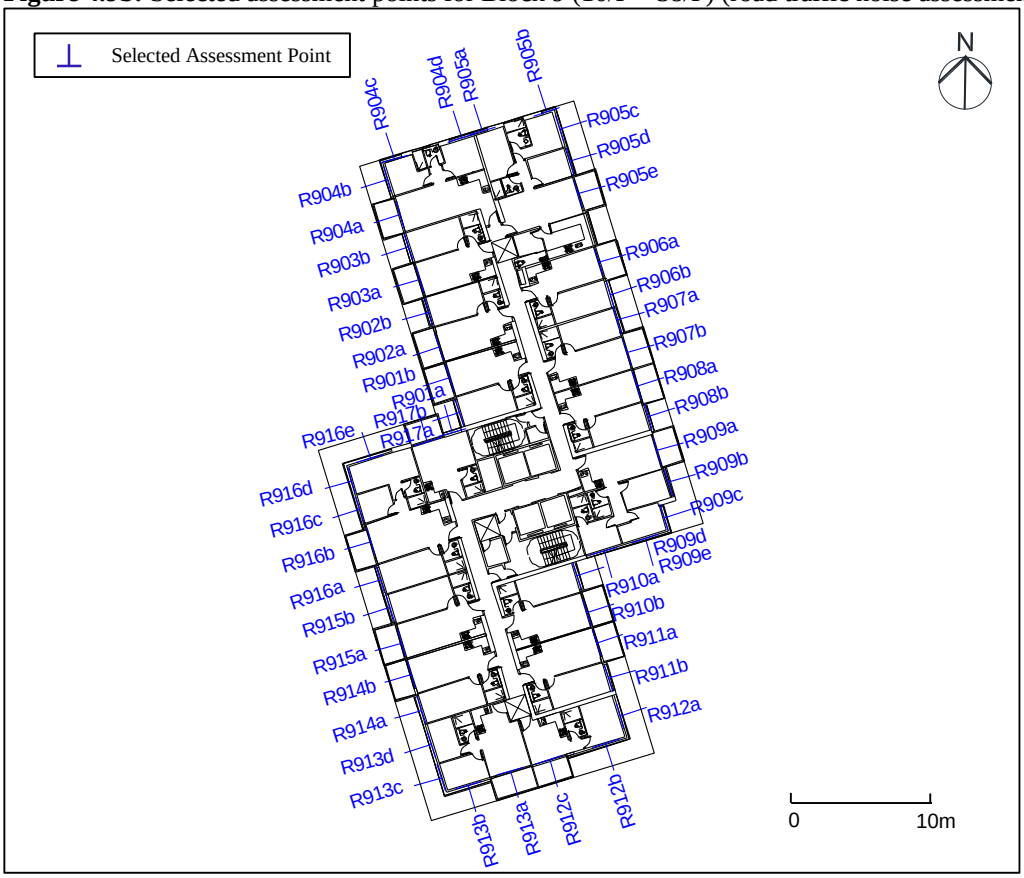


Figure 4.10a: Selected assessment points for Block 10 (1/F – 25/F) (road traffic noise assessment)

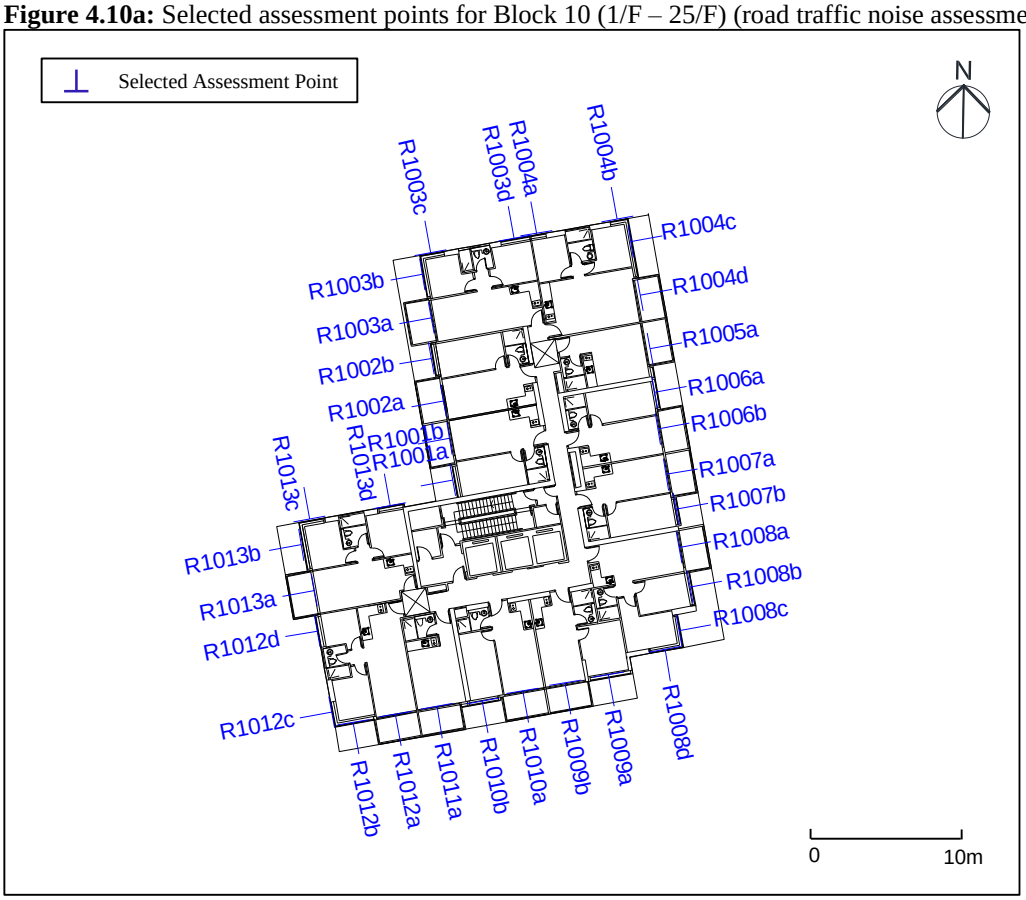


Figure 4.10b: Selected assessment points for Block 10 (26/F – 40/F) (road traffic noise assessment)

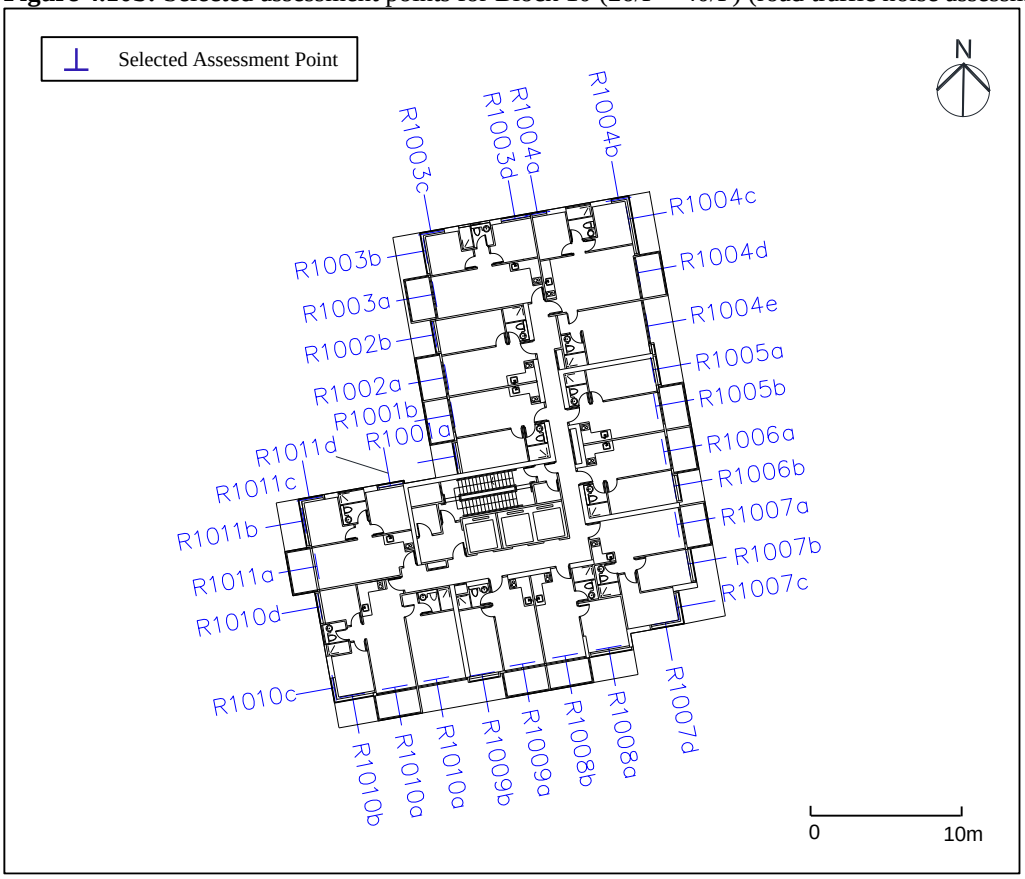


Figure 4.11: Selected assessment points for Block 11 (road traffic noise assessment)

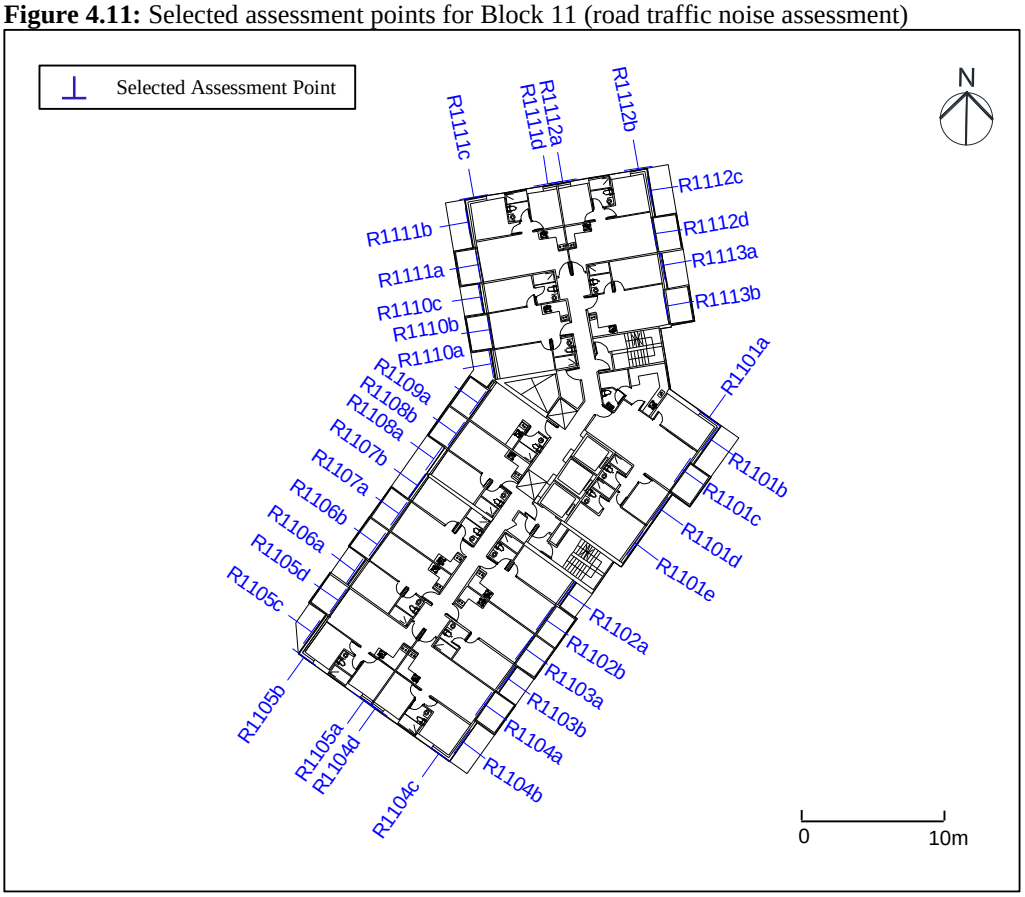


Figure 4.12a: Selected assessment points for Block 12 (1/F – 24/F) (road traffic noise assessment)

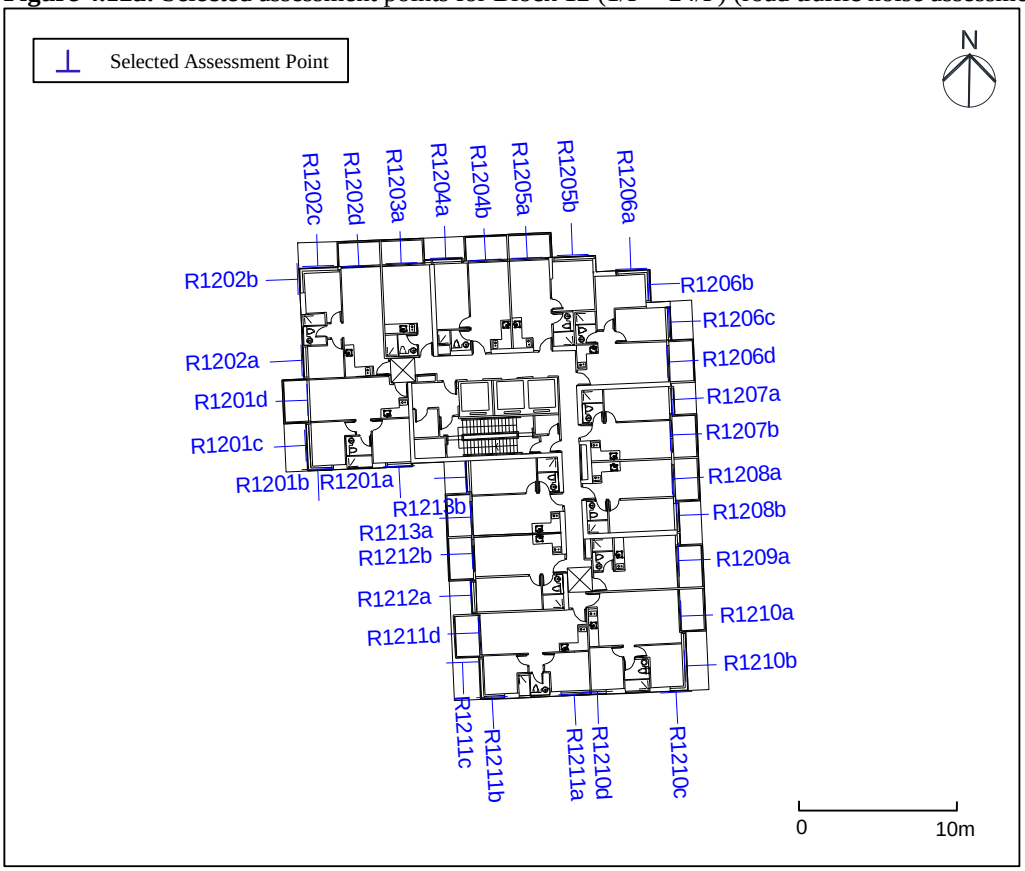


Figure 4.12b: Selected assessment points for Block 12 (25/F – 39/F) (road traffic noise assessment)

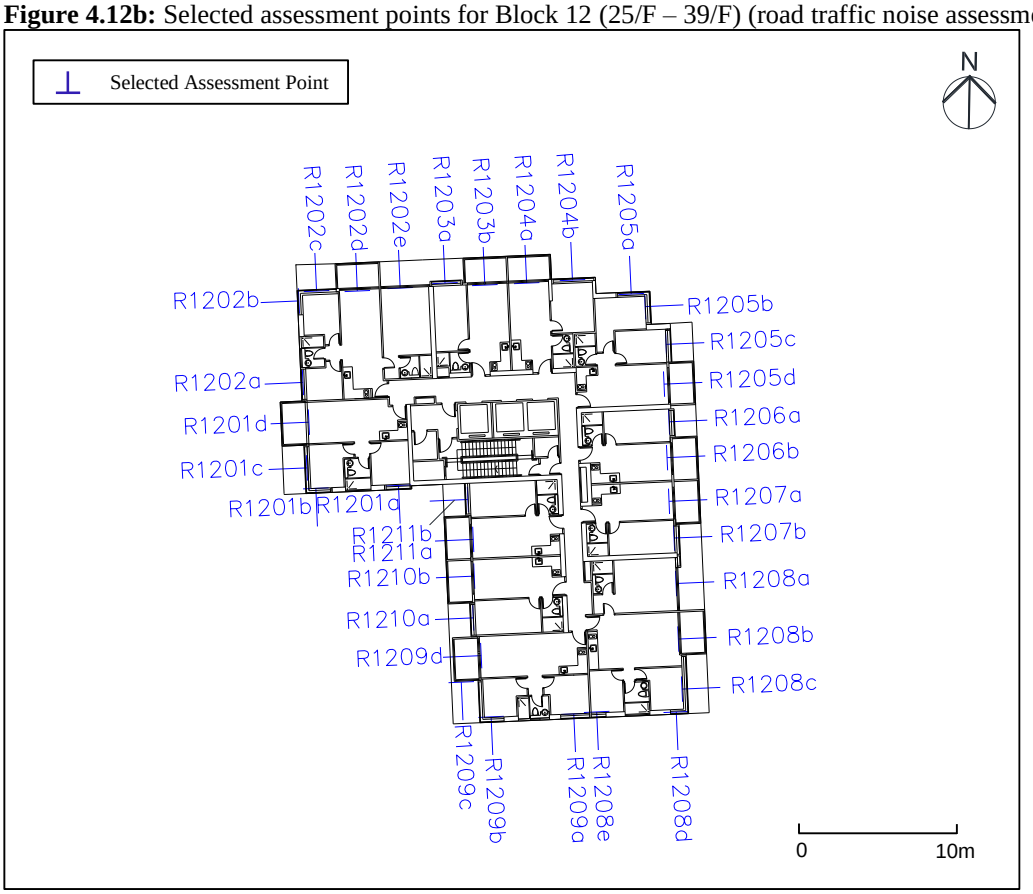


Figure 4.13: Selected assessment points for Block 13 (road traffic noise assessment)

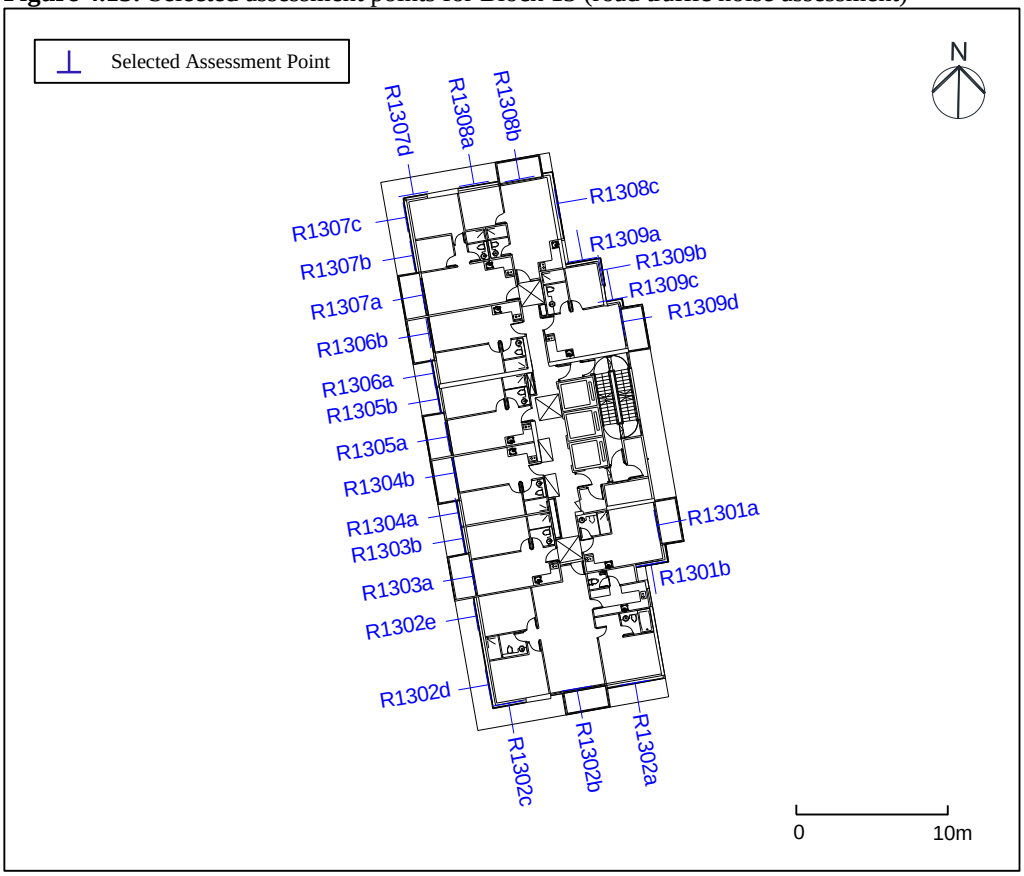


Figure 4.14: Selected assessment points for Block 14 (road traffic noise assessment)

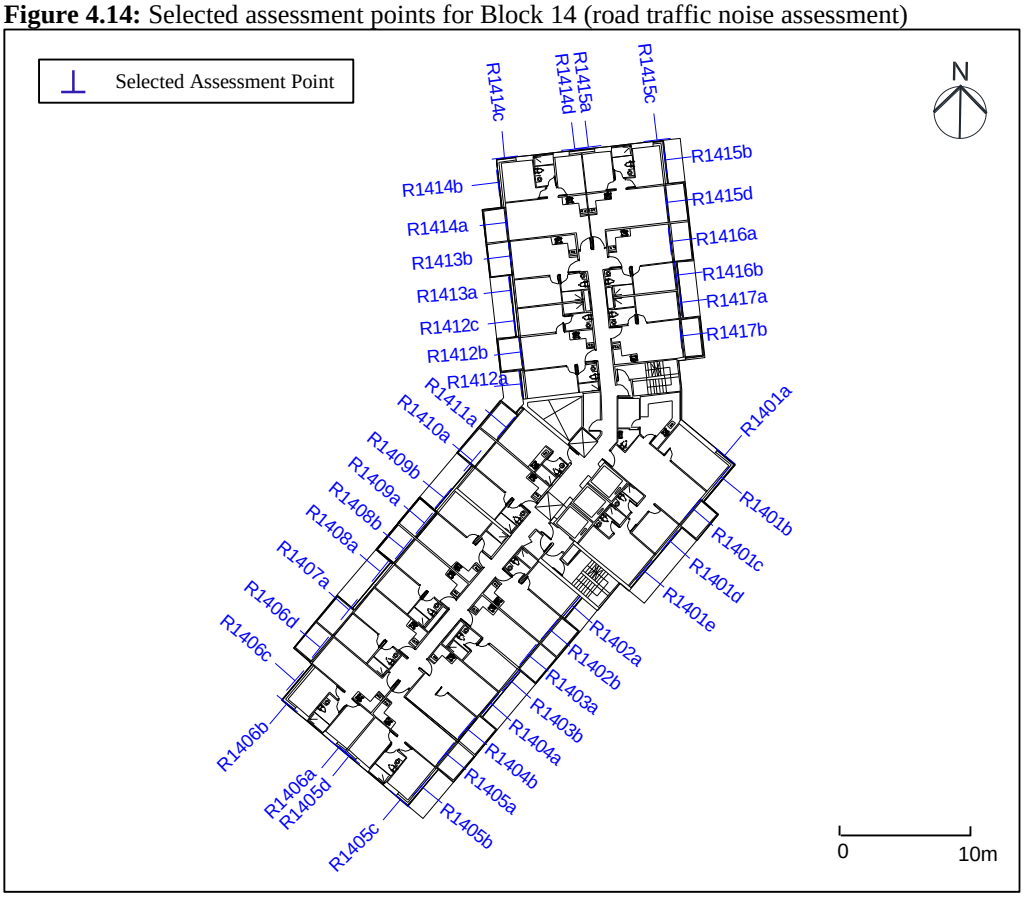


Figure 4.15: Selected assessment points for RCHE at 1/F of Block 6 (road traffic noise assessment)

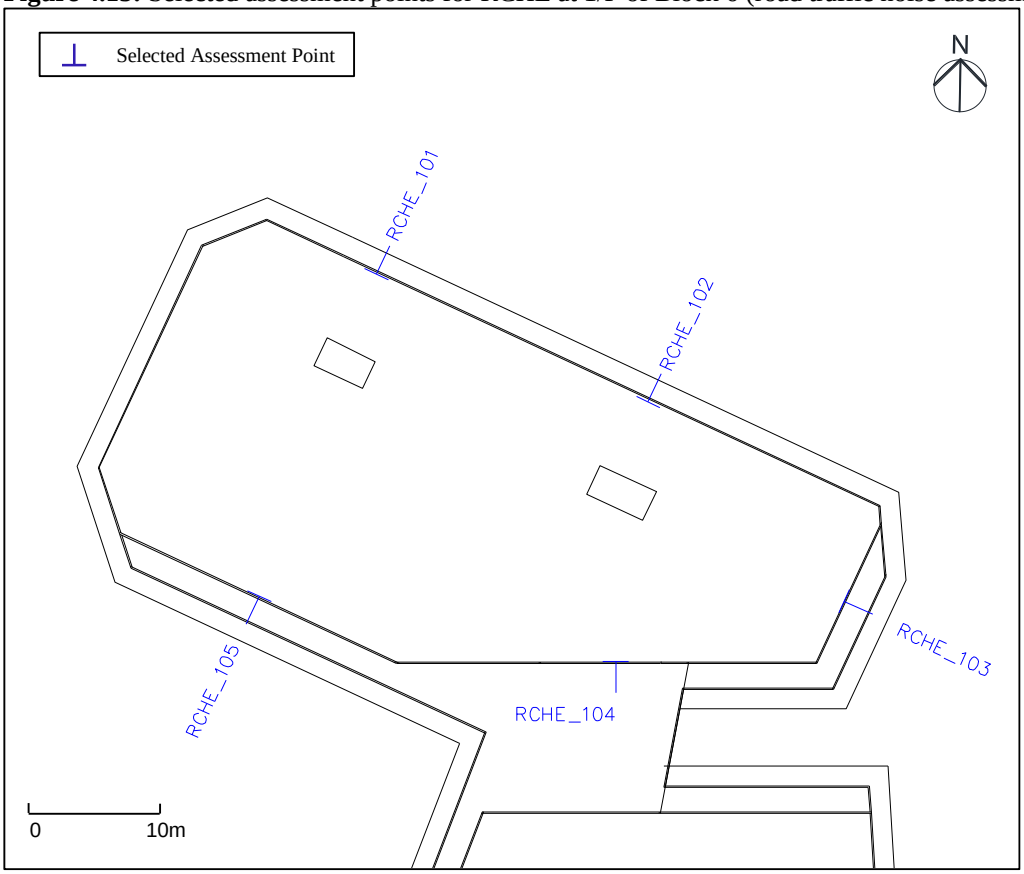


Figure 4.16: Selected assessment points for RCHE at 2/F of Block 6 (road traffic noise assessment)

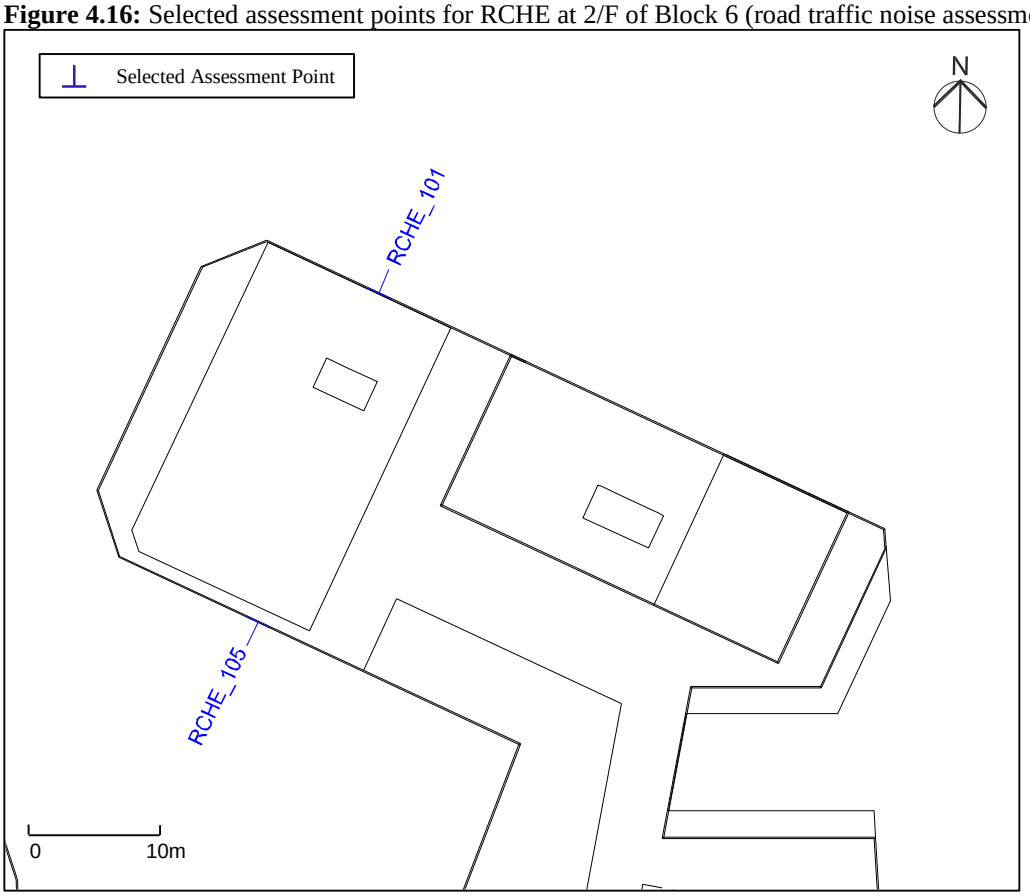


Figure 4.17: Selected assessment points for RCHE at 1/F of Block 7 (road traffic noise assessment)

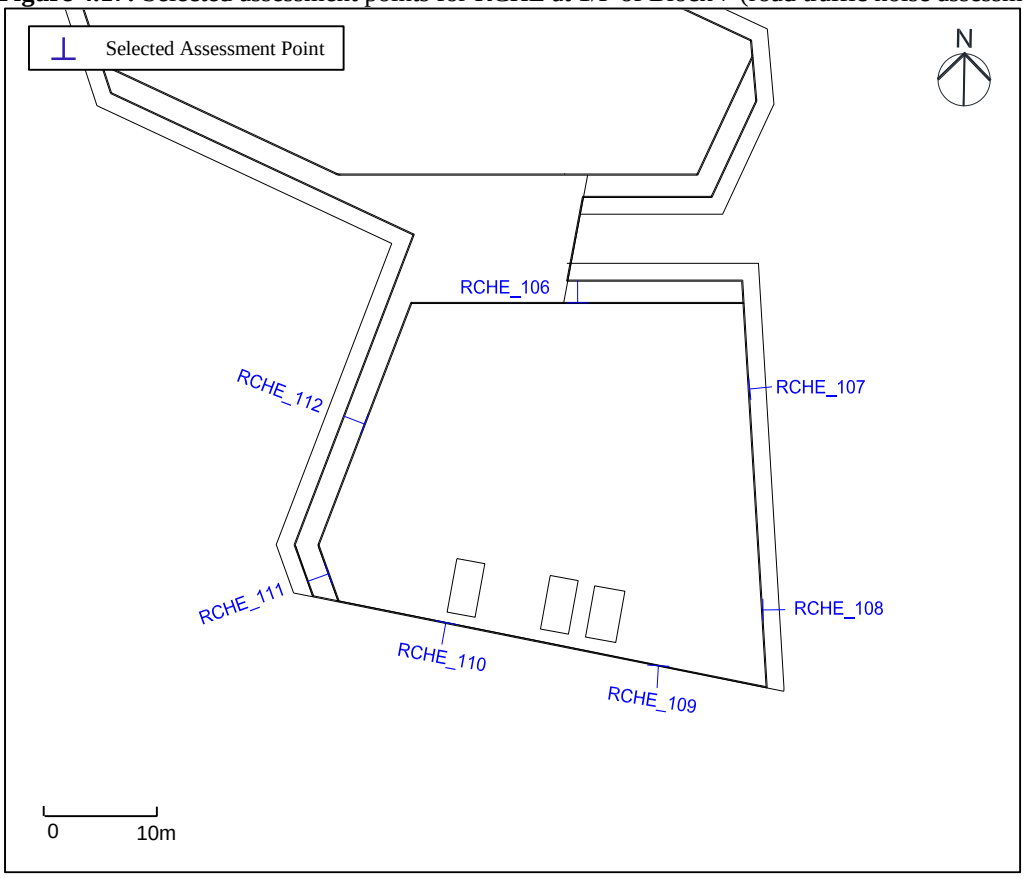
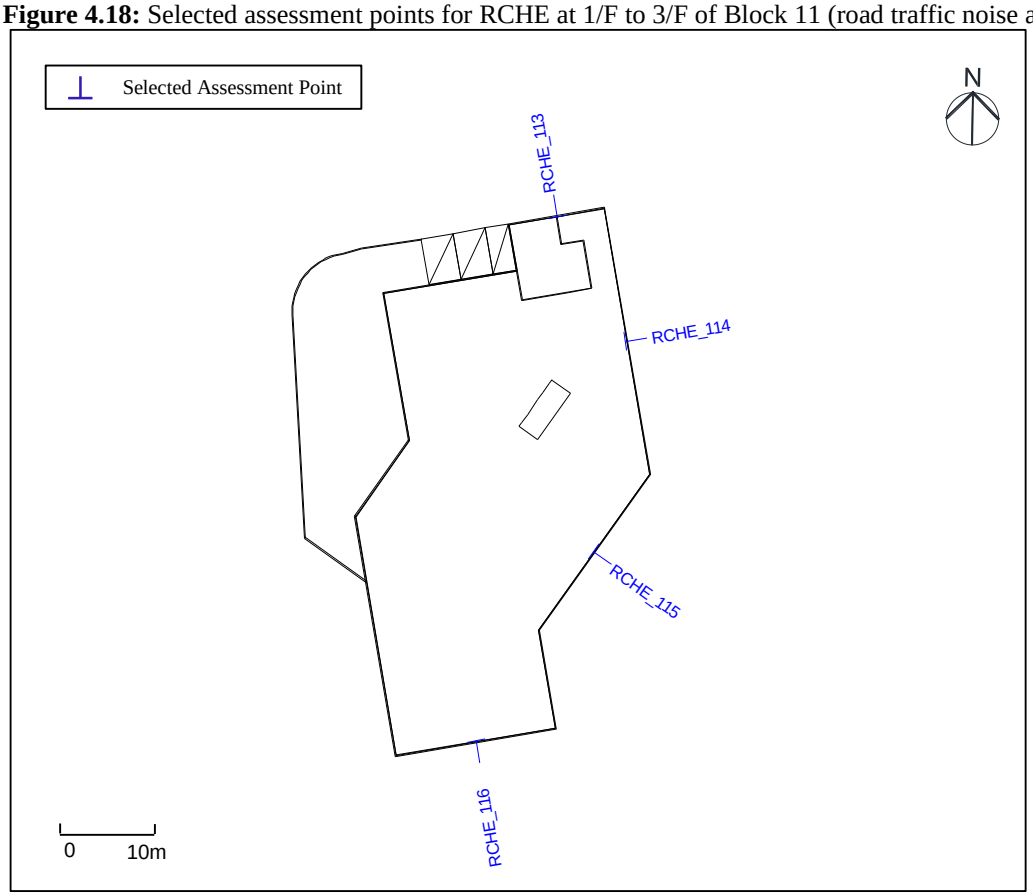


Figure 4.18: Selected assessment points for RCHE at 1/F to 3/F of Block 11 (road traffic noise assessment)



4.4 Assessment Methodology

4.4.1.1 Traffic noise levels at the facades of the selected assessment points have been predicted. The prediction is based on the maximum traffic projection within 15 years upon the population intake of the development and calculation method in accordance with the UK Department of the Transport "Calculation of Road Traffic Noise" (CRTN).

4.4.1.2 According to the latest information, the proposed completion year of the proposed Phase 1A and 1B would be Year 2032. The tentative occupation year of Remaining Phase A and B would be Year 2035 or after. Since Remaining Phase A and B will provide screening effect to Phase 1A and 1B development, road traffic noise assessment has been carried out for two scenarios. Scenario A with maximum traffic projection and without Remaining Phase A and B development in place (i.e. assuming Year 2047 before occupation of Remaining Phase A and B and without the screening for conservative assessment) and Scenario B with maximum traffic projection within 15 years upon the occupation of the proposed development (i.e. Year 2047 with Remaining Phase A and B).

4.5 Traffic Flow Data for Assessment

4.5.1.1 As advised by the Traffic Consultant, the maximum traffic flow within 15 years upon population intake of the residential development will occur in Year 2047. Traffic Impact Assessment (TIA) including the methodology on the traffic forecast for the EAS has been submitted to Transport Department (TD) for endorsement. Reply from TD is yet to be provided at the time of preparing this report and will be supplemented in later stage. The traffic consultant had checked and confirmed the validity of the traffic data, which was derived based on the traffic forecast methodology submitted to TD.

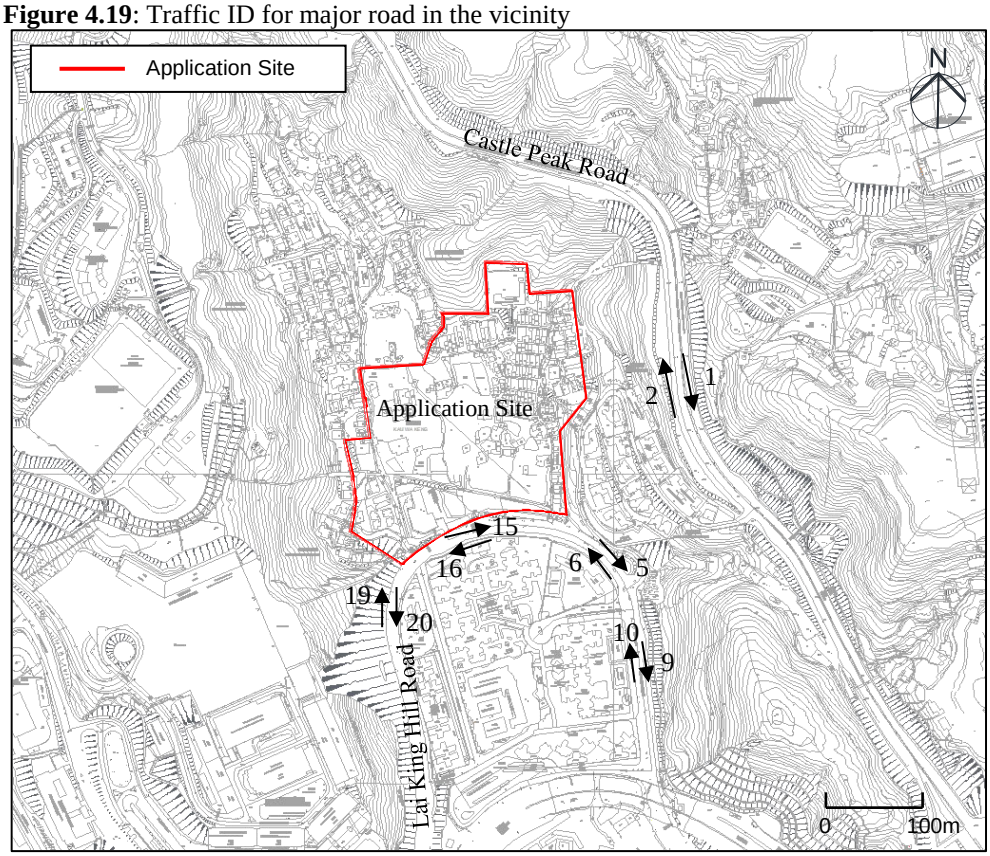
4.5.1.2 The roads surrounding the Application Site and the predicted peak hourly traffic flows are presented in **Figure 4.19** and **Table 4.2** respectively. The traffic flow data for all roads is given in **Appendix 4.1**.

Table 4.2: Predicted peak hourly traffic flow data on major roads

Road ID [1]	Road Description	Direction	Speed Limit (km/hr)	Year 2047	
				Traffic Flow (veh/hr)	% of Heavy Vehicles
1	Castle Peak Road	SB	50	1330	32
2	Castle Peak Road	NB	50	895	28
5	Lai King Hill Road	SB	50	480	26
6	Lai King Hill Road	NB	50	280	26
9	Lai King Hill Road	SB	50	560	25
10	Lai King Hill Road	NB	50	330	25
15	Lai King Hill Road	EB	50	510	22
16	Lai King Hill Road	WB	50	430	22
19	Lai King Hill Road	NB	50	535	21
20	Lai King Hill Road	SB	50	565	21

Note: [1] Only the major roads are shown in the table above. Hence, the flow ID is not in sequential order.

Figure 4.19: Traffic ID for major road in the vicinity



4.6 Existing Noise Mitigation Measures on Nearby Roads

4.6.1.1 Low noise road surfacing is not in place along Lai King Hill Road and Castle Peak Road respectively. No low noise road surfacing is assumed for all nearby roads including Ching Cheung Road for conservative assessment.

4.7 Optimized Building Design

4.7.1.1 Optimized building design and orientation have already been incorporated into the current layout scheme for the base scenario, as described below:

4.7.2 Building Block Design, Layout and Orientation

4.7.2.1 The current scheme is found to be the optimal option from the perspective of development efficiency, flat production, noise performance, scenery and angle of view, etc.

4.7.3 Podium

4.7.3.1 Approximately 5 - 21m high podiums have been designed for the current scheme which can increase the separation between the residential units and Lai King Hill Road to achieve noise reduction, in particular for units on lower floors.

4.7.4 Building Setback

4.7.4.1 The Application Site is very small and has limited space available for building setback to reduce the noise impact effectively. Nonetheless, the building block has been deposited with optimised setback distance from Lai King Hill Road as far as practicable to minimize the traffic noise impact.

4.8 Assessment Results

4.8.1.1 With the above optimised design, it is estimated that no flats will be exposed to the noise level in excess of the 70 dB(A) criterion for Scenario A and the overall compliance rate is 100%; while for Scenario B, a total of 56 flats is predicted to exceed the 70dB(A) criterion with an overall noise compliance rate of 99.2%. Results of the road traffic noise assessments for the proposed residential development are summarised in **Table 4.2**. Details are presented in **Appendix 4.2** for Scenario A and **Appendix 4.3** for Scenario B.

Table 4.2: Road noise assessment results (Base Scenario)

Scenario	Total No. of Flats	No. of Flats Exceeding the Noise Criteria	Max. Predicted Noise Levels, dB(A)	Compliance Rate
Scenario A	3,457	0	70.1	100%
Scenario B	7,052	56	72.2	99.2%

4.8.1.2 Results indicate that the predicted exceedances are located on the southern façade of Block 8 directly towards Lai King Hill Road and the eastern façade of Block 13 directly towards Castle Peak Road for Scenario B. The locations of exceedances are shown in **Figures 4.20 - 4.21** below.

Figure 4.20: Locations of predicted exceedances in Block 8 in Scenario B

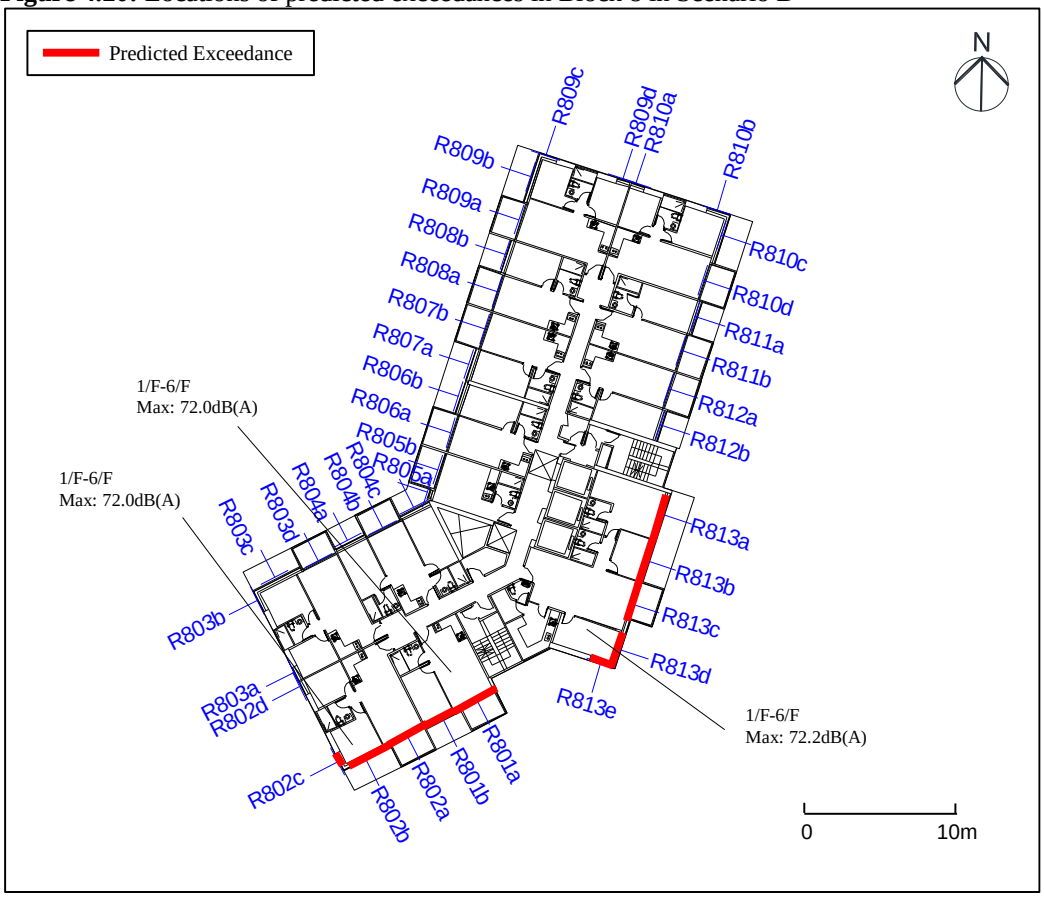
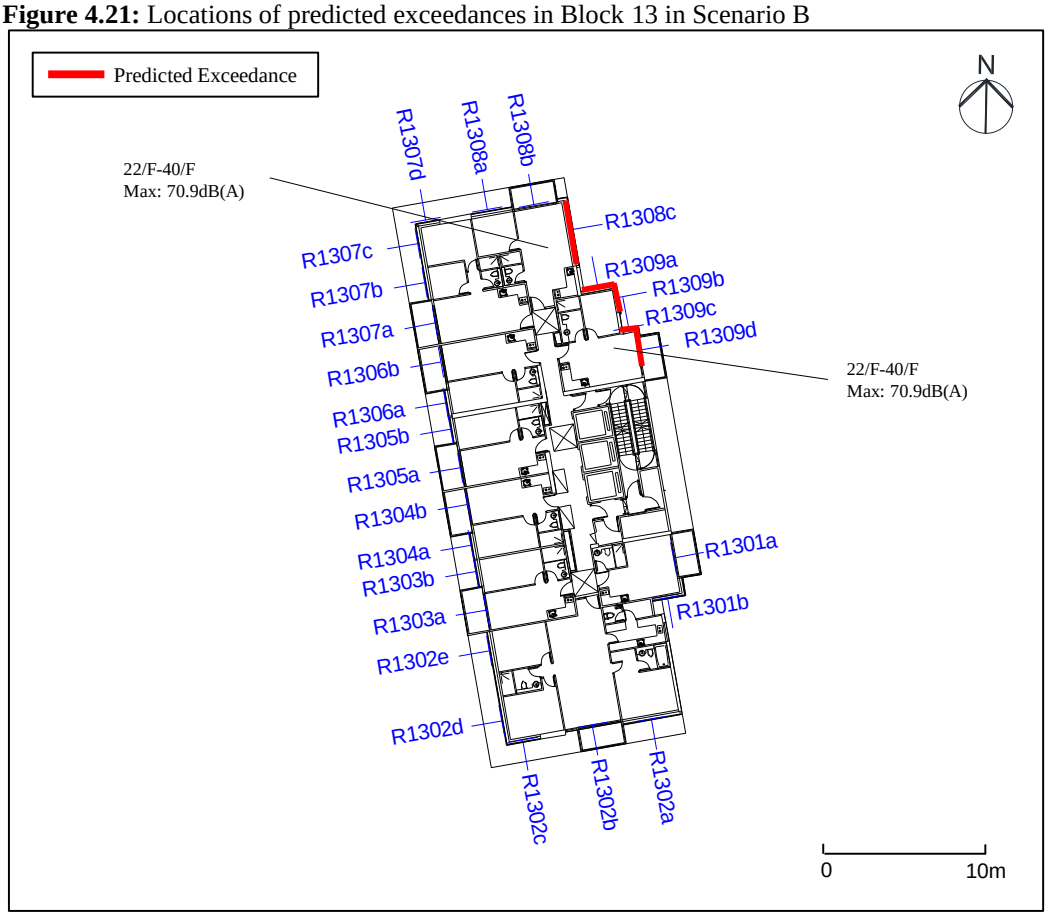


Figure 4.21: Locations of predicted exceedances in Block 13 in Scenario B



4.9 Noise Mitigation Measures for Residential Block

4.9.1.1 Optimized building design has been adopted in the current scheme as described in the above sections. Other practicable noise mitigation measures have also been investigated and the findings are discussed as follows:

4.9.2 Boundary Wall / Barrier

4.9.2.1 Since the affected residential units are found from low to mid floors for Block 8 and mid to high floors for Block 13, barriers along the Site boundary would not be able to provide effective screening to the mid to high floor units. Other forms of mitigation measures such as acoustic window and acoustic balcony have been considered instead (see below sections).

4.9.3 Noise Shielding Building

4.9.3.1 The Application Site has limited space available for noise shielding building and hence will not be considered.

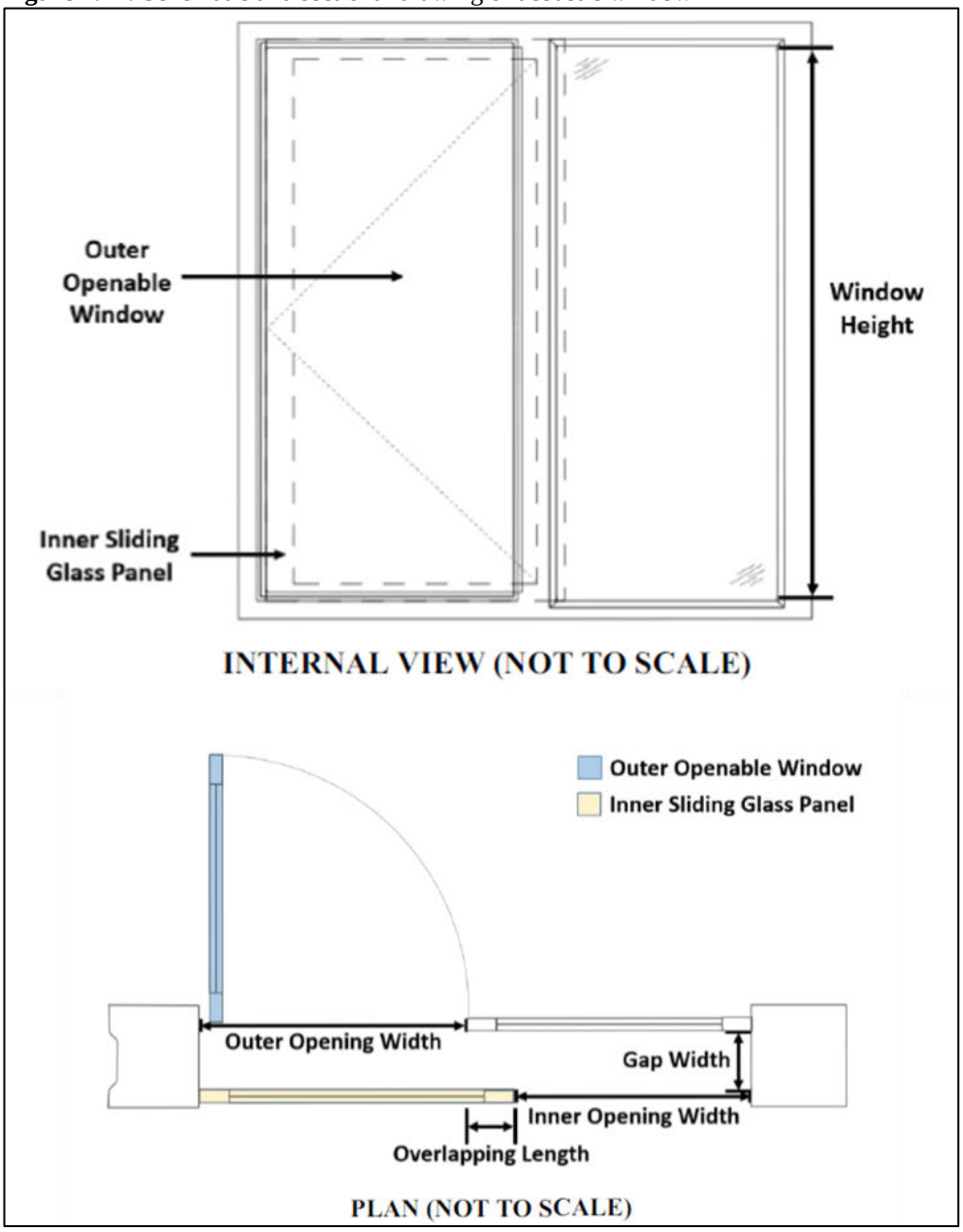
4.9.4 Acoustic Windows Design (Baffle Type)

4.9.4.1 Based on the assessment results of base scenario, acoustic window (baffle type) is proposed as mitigation measure. The acoustic window is designed with two layers of window including push open window at outer layer and sliding window at inner layer. The opening and gap between the two layers of window allows sufficient air flow to satisfy ventilation requirement; while at the same time, direct transmitted noise to the room is obstructed by inner slide window and hence noise reduction could be achieved. In order to achieve the intended noise reduction, the sliding window should be behind the opened side-hung window while the fixed glazing should be kept close. Special locking device (e.g. allen key) would be installed to the fixed glazing at the outer layer for keeping them in the above setting. The fixed glazing at the outer layer needs not to be opened for ventilation. The schematic and sectional drawing of the proposed acoustic window (baffle type) is extracted from Practice Note on Application of Acoustic Windows (Baffle Type) in Planning Residential Developments against Road Traffic Noise Impact and shown in **Figure 4.22**. The locations of the proposed acoustic window (baffle type) are summarised in **Table 4.3** and indicated in **Figure 4.24 – 4.25**. On referencing to EPD's Practice Note on Application of Innovative Noise Mitigation Designs in Planning Private Residential Developments against Road Traffic Noise Impact (PN), noise attenuation by the acoustic window (baffle type) is taken as 4dB(A) for this assessment.

Table 4.3: Locations of proposed acoustic windows for mitigating road traffic noise (worst case of Scenario A and B)

Acoustic Window at NSR	Floors Requiring Acoustic Window [1]
R801b	1/F to 6/F
R802b	1/F to 6/F
R802c	1/F to 3/F
R813a	1/F
R813b	1/F to 3/F
R813d	1/F to 6/F
R813e	1/F to 6/F
R1308c	22/F to 40/F
R1309a	27/F to 32/F
R1309b	22/F to 40/F
R1309c	24/F to 36/F

Figure 4.22: Schematic and sectional drawing of acoustic window



4.9.4.2 Detailed design of the proposed acoustic window (baffle type) is not available at this stage yet and therefore, the design (i.e. window opening size, overlapping length, gap width between window panel, etc.) will be referenced to EPD's PN. Besides, the proposed acoustic window (baffle type) is parallel and in 30° - 60° to the dominant line source, which could comply with the PN.

4.9.4.3 According to the PN, while the noise attenuation of acoustic window (baffle type) would vary with room sizes and window opening size, the following ranges of variations would not significantly affect the noise attenuation of acoustic window (baffle type):

- Variations of room size within ±10%;
- Variations of floor-to-ceiling height within ±5%; and
- Variations of window opening size ±5%.

4.9.4.4 Should there be any variation on the room size and window opening size is required, justifications with technical documents such as corrections, laboratory testing reports, in-situ measurement reports, etc. should be submitted to EPD for consideration. The principal and set-up of the laboratory and in-situ measurements should be agreed with EPD.

4.9.5 Conventional Acoustic Balcony Design

4.9.5.1 Acoustic balcony with specific configurations is proposed as a mitigation measure for R801a, R802a and R813c at Block 8, and R1308c, R1309d at Block 13, where about 0.7 to 2.0 dB(A) exceedance of traffic noise criterion is predicted. The conventional acoustic balcony is designed with a depth of 1.15m, and solid parapet of about 1.45 m high along the edge of balcony. Sound absorptive material will be applied on the ceiling and the inner side of the side wall. The sectional drawing of the proposed acoustic balcony is reference to EPD's website and shown in **Figure 4.23**. The locations of the proposed acoustic balconies are summarised in **Table 4.4** and indicated in **Figure 4.24**. On referencing to EPD's website (https://www.epd.gov.hk/epd/Innovative/greeny/eng/balcony_soild.html), noise attenuation by the acoustic balcony is taken as 2.5dB(A) for this assessment.

Table 4.4: Proposed locations of conventional acoustic balcony design as mitigation measure for road traffic noise (worst case of Scenario A and B)

Conventional Acoustic Balcony at NSR	Floors Requiring Conventional Acoustic Balcony
R801a	1/F to 6/F
R802a	1/F to 6/F
R813c	1/F to 4/F
R1309d	22/F to 38/F

Figure 4.23: Sectional drawing of acoustic balcony

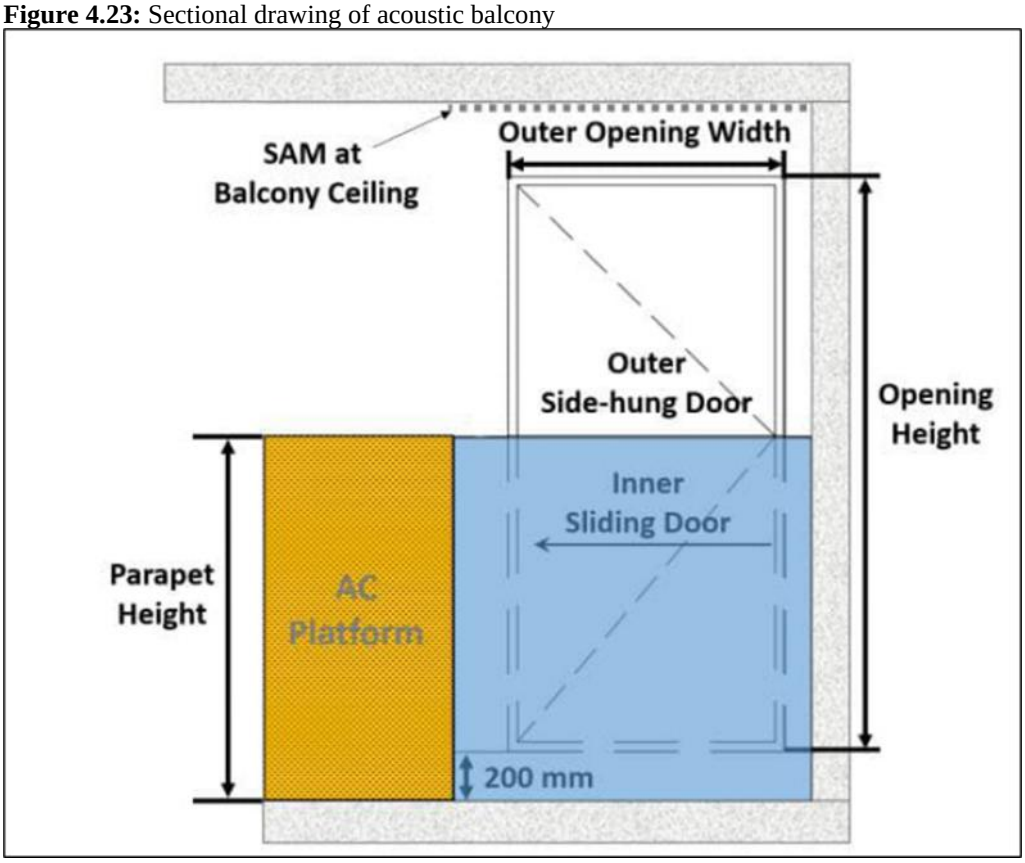


Figure 4.24: Proposed mitigation measures for Block 8

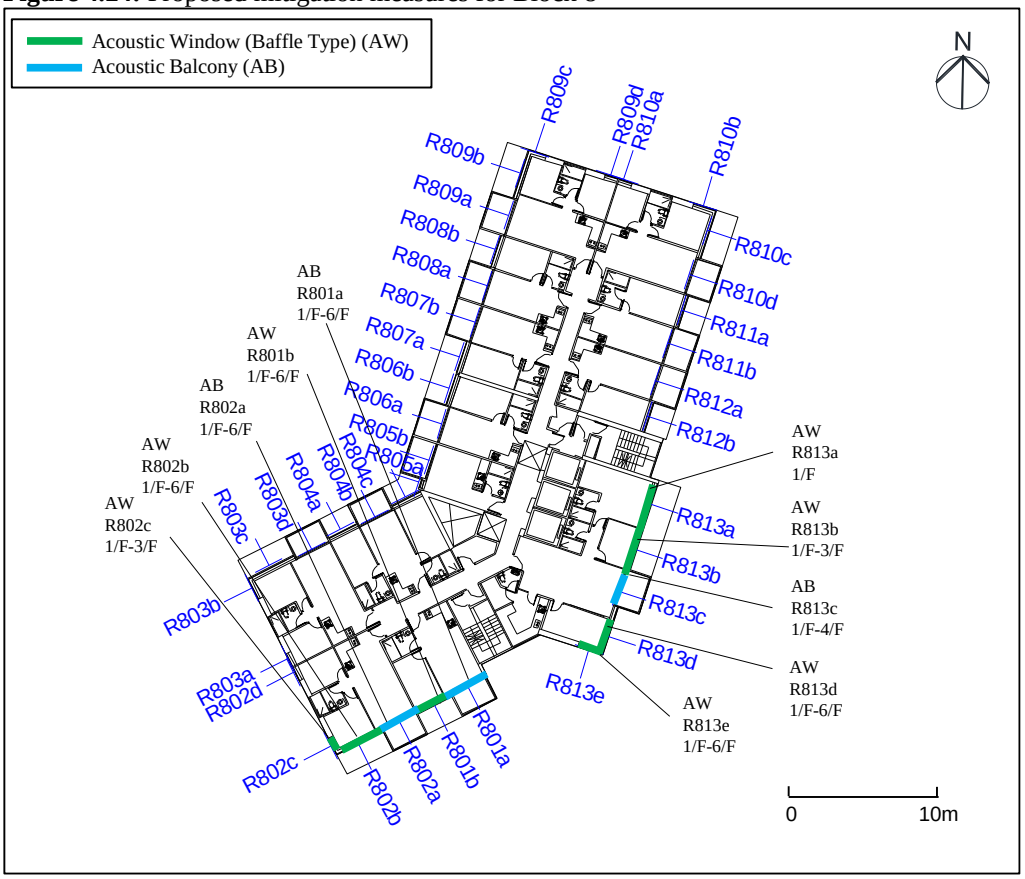
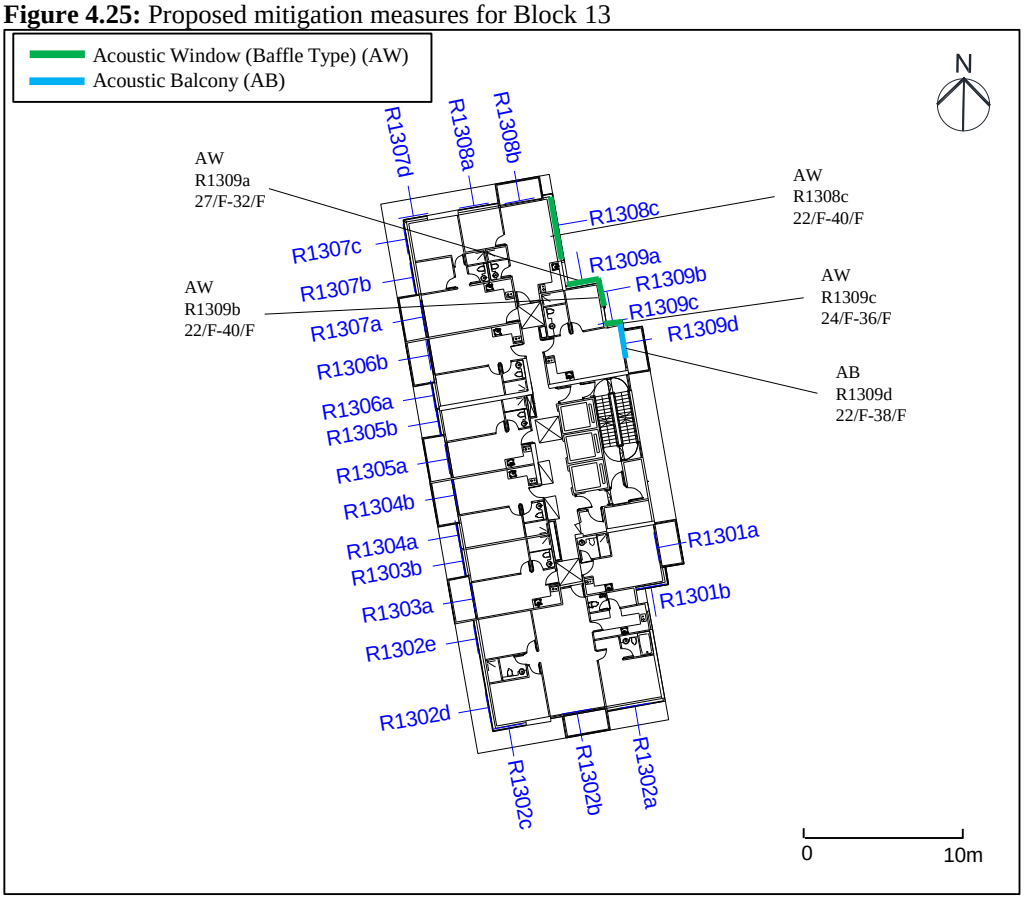


Figure 4.25: Proposed mitigation measures for Block 13



4.9.5.2 With the provision of the recommended acoustic windows (baffle type) and conventional acoustic balconies, all residential flats will comply with the criterion of 70 dB(A) and a compliance rate of 100% could be achieved. Detailed results are attached in **Appendix 4.4** for Scenario B. Therefore, adverse road traffic noise impact is not anticipated. A summary is tabulated in **Table 4.6.**

Table 4.6: Road noise assessment results (Mitigated Scenario)

Scenario	Total No. of Flats	No. of Flats Exceeding the Noise Criteria	Max. Predicted Noise Levels, dB(A)	Compliance Rate
Mitigated Scenario B	7,052	0	70.4	100%

4.10 Assessment Results for Community Facilities

4.10.1.1 Results of the road traffic noise assessment for the RCHE at Blocks 6, 7 and 11 are summarized in **Table 4.7** for Scenario A and **Table 4.8** for Scenario B. All NSRs could comply with the respective noise criteria for both Scenarios A and B and hence adverse road traffic noise impacts are not anticipated. No noise mitigation measures are therefore required.

Table 4.7: Road traffic noise assessment results – Community facilities (Scenario A)

Location	NSRs	Uses	Noise Criterion, dB(A)	Max. Predicted Noise Levels, dB(A)	Comply [Y/N]
RCHE at Block 6 and Block 7	RCHE_101	Domestic	70	60	Y
	RCHE_102	Domestic	70	59	Y
	RCHE_103	Domestic	70	63	Y
	RCHE_104	Domestic	70	57	Y
	RCHE_105	Domestic	70	59	Y
	RCHE_106	Domestic	70	55	Y
	RCHE_107	Domestic	70	65	Y
	RCHE_108	Domestic	70	67	Y
	RCHE_109	Domestic	70	65	Y
	RCHE_110	Domestic	70	65	Y
	RCHE_111	Domestic	70	64	Y
	RCHE_112	Domestic	70	61	Y

Table 4.8: Road traffic noise assessment results – Community facilities (Scenario B)

Location	NSRs	Uses	Noise Criterion, dB(A)	Max. Predicted Noise Levels, dB(A)	Comply [Y/N]
RCHE at Block 6, 7 and 11	RCHE_101	Domestic	70	57	Y
	RCHE_102	Domestic	70	58	Y
	RCHE_103	Domestic	70	61	Y

Location	NSRs	Uses	Noise Criterion, dB(A)	Max. Predicted Noise Levels, dB(A)	Comply [Y/N]
	RCHE_104	Domestic	70	57	Y
	RCHE_105	Domestic	70	59	Y
	RCHE_106	Domestic	70	54	Y
	RCHE_107	Domestic	70	63	Y
	RCHE_108	Domestic	70	66	Y
	RCHE_109	Domestic	70	65	Y
	RCHE_110	Domestic	70	65	Y
	RCHE_111	Domestic	70	64	Y
	RCHE_112	Domestic	70	61	Y
	RCHE_113	Domestic	70	56	Y
	RCHE_114	Domestic	70	57	Y
	RCHE_115	Domestic	70	55	Y
	RCHE_116	Domestic	70	50	Y

5 Fixed Noise Assessment

5.1 Identification of Fixed Noise Sources

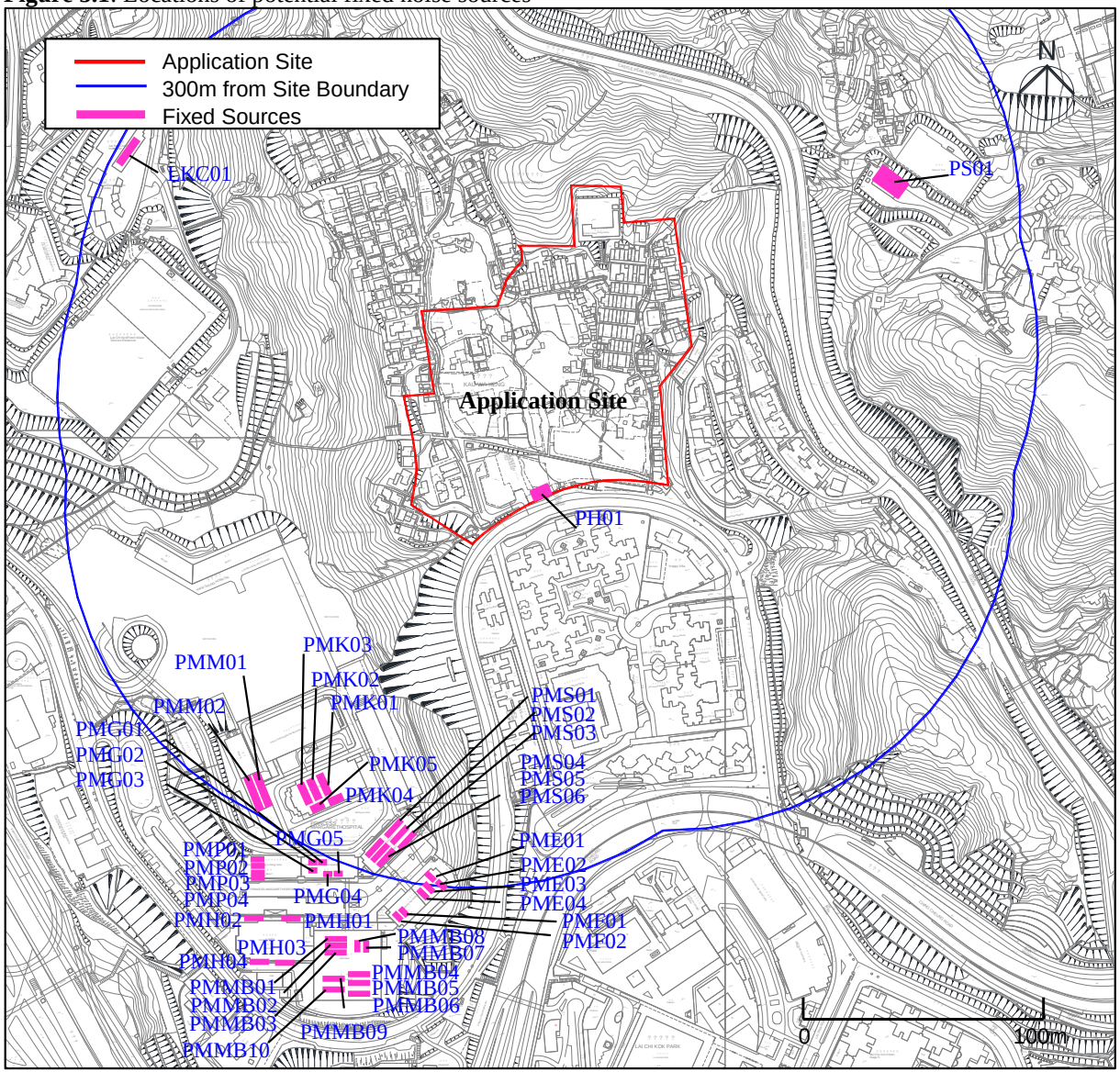
5.1.1.1 Desktop study and site survey have been carried out in April 2024 to identify any potential fixed noise sources within 300m assessment area of the project site. **Figure 5.1** indicates the locations of the identified fixed noise sources. These include hospital buildings to the southwest of the Site, pumping station to the northeast of the Site and bus depot to the further south of the Site. **Table 5.1** summarized the identified fixed noise sources and details are provided in **Appendix 5.1**. All identified major and significant fixed noise sources which may have potential noise impact on the planned NSRs of the proposed development are included in the noise assessment.

Table 5.1: Summary of identified fixed noise sources

Name of Fixed Noise Source	Source
Kau Wa Keng Pumping Station	• Operation: Exhaust and pumps enclosed in the building • It is located at about 180m to the northeast of the Site. Site access is not allowed. Based on site inspection, no noticeable noise was perceived at the boundary of the pumping station. Given the large separation distance, potential fixed noise impact on the proposed development is not anticipated.
Pump House	• Operation: Exhaust and pumps enclosed in the building • It is located within the Application Site. Based on site inspection, no noticeable noise was perceived at the boundary of the pump house. Also, the noise climate was dominated by road traffic noise from Lai King Hill Road. In view of the small scale of sources and high background traffic noise, contribution from the pump house is considered insignificant and hence not considered.
Princess Margaret Hospital Block K	• Operation: Chillers/ Condensers on rooftop
Princess Margaret Hospital Block M	• Operation: Chillers/ Condensers on rooftop
Princess Margaret Hospital Block S	• Operation: Chillers/ Condensers on rooftop
Princess Margaret Hospital Block G	• Operation: Chillers/ Condensers on rooftop
Princess Margaret Hospital Block P	• Operation: Chillers/ Condensers on rooftop
Princess Margaret Hospital Block E	• Operation: Chillers/ Condensers on rooftop
Princess Margaret Hospital Block F	• Operation: Chillers/ Condensers on rooftop
Princess Margaret Hospital Block Main Block	• Operation: Chillers/ Condensers on rooftop
Princess Margaret Hospital Block H	• Operation: Chillers/ Condensers on rooftop

Name of Fixed Noise Source	Source
Kwai Chung Hospital Block L	• According to aerial photo, the chillers/condensers on rooftop are fully enclosed and hence not considered.
Lai King Correctional Institution	• It is located at about 290m to the northwest of the Site. Site access is not allowed. Based on site inspection, no noticeable noise was perceived at the boundary of the institution. Given the large separation distance, potential fixed noise impact on the proposed development is not anticipated.

Figure 5.1: Locations of potential fixed noise sources



5.2 Fixed Noise Criteria

5.2.1.1 According to Section 4.2.13 in Chapter 9 of the HKPSG, noise assessments for industrial noise source would normally be conducted in accordance with the Technical Memorandum for the Assessment of Noise from Places Other Than Domestic Premises, Public Places or Construction Sites (TM-Places) under the Noise Control Ordinance (Cap. 400). The TM-Places lays down statutory Acceptable Noise Levels (ANLs). The HKPSG also states that in order to plan for a better environment, all planned fixed noise sources should be so located and designed that when assessed in accordance with the TM, the level of the intruding noise at the facade of the nearest sensitive use should be at least 5dB(A) below the appropriate ANL shown in Table 3 of the TM-Places or, in the case of the background being 5dB(A) lower than the ANL, should not be higher than the background.

5.2.1.2 The Site is planned for high-rise residential development. It is surrounded by high rise residential developments to the south and low-rise residential buildings scattered around the rest of the Site. The types of area (i) rural area; (ii) low density residential area consisting of low-rise or isolated high-rise developments; and (iii) urban area according to TM-Places cannot reflect the future environment of the subject site and are all not applicable. Thus, the whole site shall fall into type (iv) "Area other than those above" according to TM-Places.

5.2.1.3 There is no Influencing Factor (IF) under the TM-Places that affects the Application Site. Therefore, an Area Sensitivity Rating (ASR) of "B" shall be applied to all the NSRs of the proposed residential blocks. The ANL for ASR of "B" should be 65dB(A) and 55dB(A) for daytime and evening time period, and night-time period respectively. There is no planned fixed noise source in the proposed development and hence the criteria of ANL-5dB(A) are not applicable to this site.

5.3 Assessment Methodology

5.3.1.1 For the identified fixed noise sources, noise measurement shall be taken at locations where access was allowed and influences from other noisy activities were as minimal as possible. However, site access to the Princess Margaret Hospital was not allowed. Therefore, reference has been made to other plant of similar mode, nature and scale for this assessment. Aerial photos have been reviewed to ensure the noise data references adopted for noise assessment are fixed plants of similar type, nature and scale. **Appendix 5.2** presents the adopted sound pressure levels for the fixed noise sources. **Appendix 5.3** and **5.4** presents the referenced sound pressure levels for the fixed noise sources.

5.3.1.2 Tonal, impulsive and intermittent characteristics of the identified noise sources were investigated and considered in accordance with TM-Places. No tonal, impulsive or intermittent character was identified at the Site and therefore no correction has been applied.

5.3.1.3 Noise levels of fixed noise sources are predicted at selected representative worst-affected assessment points of NSRs using standard acoustic principles. The assessment has taken into account the distance attenuation, facade effect and screening effect etc. where appropriate. A summary of the corrections and assumptions adopted in the calculation are presented in **Appendix 5.5**.

5.3.1.4 According to the latest information, the proposed completion year of the proposed Phase 1A and 1B would be Year 2032. The tentative occupation year of Remaining Phase A and B would be Year 2035 or after. Since Remaining Phase A and B will provide screening effect to Phase 1A and 1B development, fixed noise assessment has been carried out for two scenarios. Scenario A that is without Remaining Phase A and B development in place (i.e. assuming Year 2047 before occupation of Remaining Phase A and B and without the screening for conservative assessment) and Scenario B with all phases included (i.e. Year 2047 with Remaining Phase A and B).

5.3.1.5 Representative NSRs at 1/F, 10/F, 20/F, 30/F and top domestic floor of the residential blocks are selected for the assessment. The locations of the selected representative NSRs for Scenario A and Scenario B are shown in **Figures 5.2** and **5.3** respectively.

Figure 5.2: Selected representative assessment points for residential blocks in Scenario A (fixed noise assessment.)

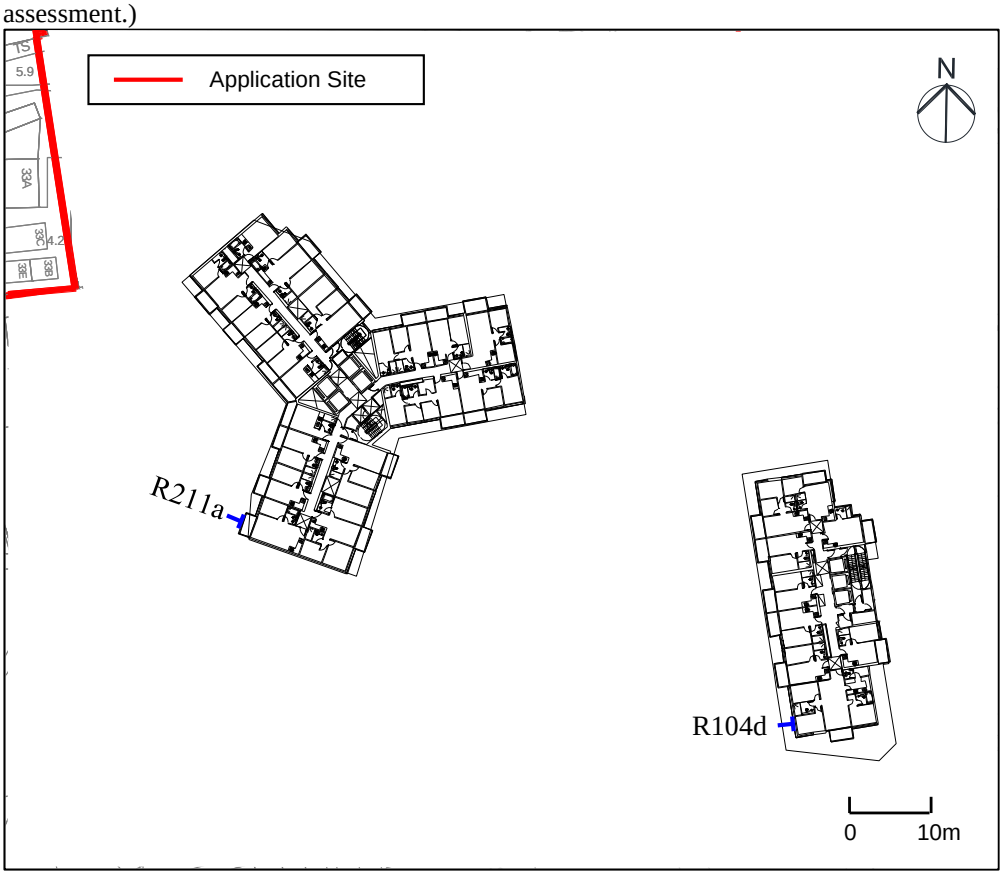
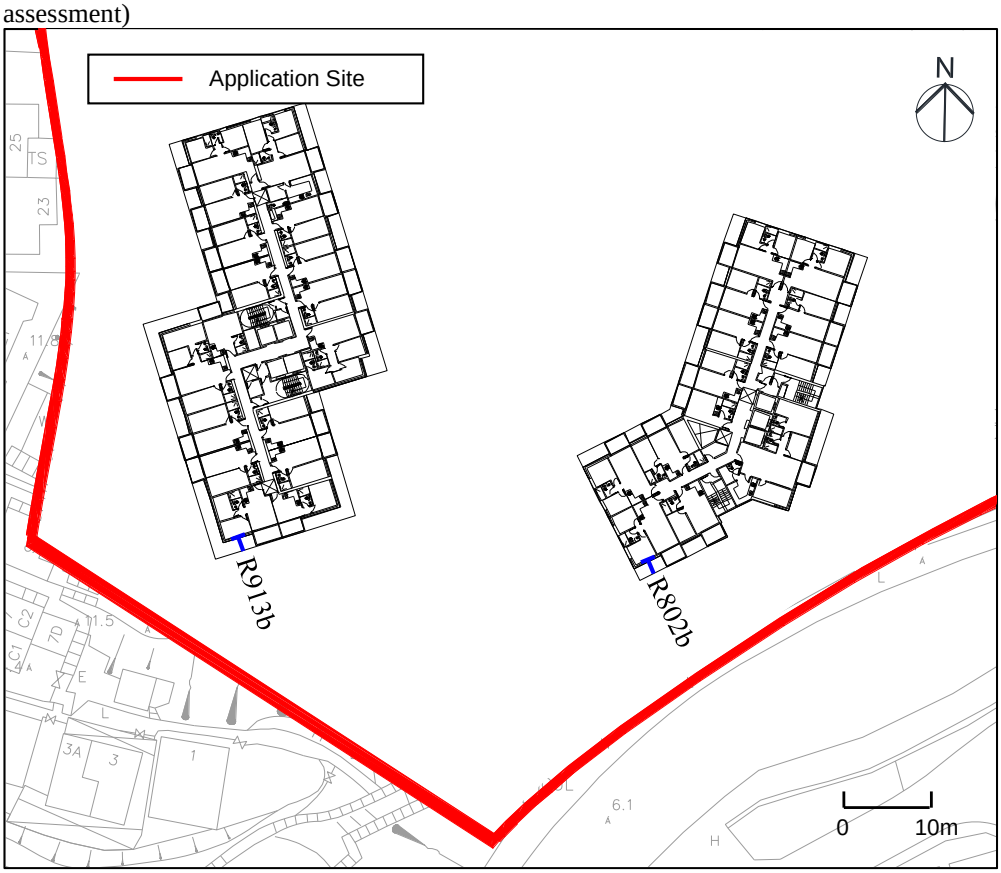


Figure 5.3: Selected representative assessment points for residential blocks in Scenario B (fixed noise assessment)



5.4 Predicted Fixed Noise Impact for Residential Blocks

5.4.1.1 The predicted facade noise levels of the selected representative assessment points for Scenario A and B are summarised in **Tables 5.2** and **5.3** respectively. Detailed calculations are presented in **Appendix 5.6** for Scenario A and **Appendix 5.7** for Scenario B. Results indicate that all representative NSRs in both scenarios are predicted to be in compliance with the NCO criteria. Hence, no adverse fixed noise impact on the proposed development is anticipated and mitigation measures for fixed noise impacts are not required.

Table 5.2: Predicted fixed noise assessment results for residential blocks in Scenario A

NSRs ID	Predicted Noise Level, dB(A)		ASRs	ANL, dB(A)		Comply with ANL (Y/N)	
	Daytime & Evening	Night-time		Daytime & Evening	Night-time	Daytime & Evening	Night-time
R104d	49	49	B	65	55	Y	Y
R211a	49	49	B	65	55	Y	Y

Notes:
[1] Only the predicted noise levels for the worst floor are presented.

Table 5.3: Predicted fixed noise assessment results for residential blocks in Scenario B

NSRs ID	Predicted Noise Level, dB(A)		ASRs	ANL, dB(A)		Comply with ANL (Y/N)	
	Daytime & Evening	Night-time		Daytime & Evening	Night-time	Daytime & Evening	Night-time
R802b	51	51	B	65	55	Y	Y
R913b	51	51	B	65	55	Y	Y

Notes:
[1] Only the predicted noise levels for the worst floor are presented.

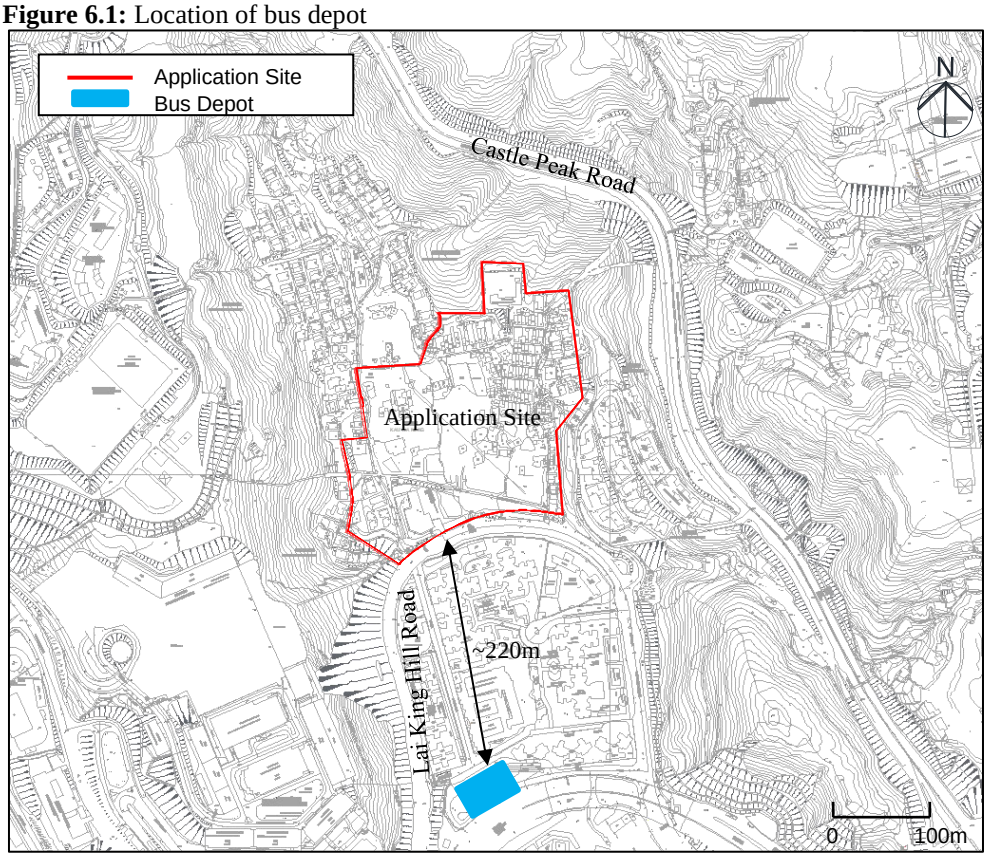
5.5 Review of Fixed Noise Impact from Planned Fixed Noise Sources

5.5.1.1 The proposed sewage pumping station and any other planned fixed noise sources, such as MVAC system and pumping system, in the proposed development should be designed to comply with the requirements under the HKPSG in detailed design stage. Noise mitigation measures such as enclosing pumps and noisy plants inside a building structure, proper selection of quiet plant aiming to reduce the tonality at NSRs, installation of silencer / acoustic enclosure / acoustic louvre for the exhaust of ventilation system and locating all openings of ventilation systems facing away from NSRs shall be considered in the design as far as practicable. With the implementation of the design considerations and mitigation measures, no adverse fixed noise impact from planned fixed noise sources is anticipated.

6 Review of Noise Nuisance Arising from Existing Bus Depot

6.1.1.1 A bus depot is located at more than 200m to the further south of the Application Site. The potential noise nuisance arising from bus depot has been reviewed. Location of the bus depot is shown in **Figure 6.1**.

Figure 6.1: Location of bus depot



6.1.1.2 The bus depot is located at more than 200m to the south of the Application Site and is separated from the Application Site by Lai King Hill Road and residential blocks (i.e. Lai Yan Court). The bus depot is fully enclosed underneath the podium of residential development (i.e. Nob Hill) with openings located on its southern and western facades. Based on site observation, the bus depot is completely screened by buildings (i.e. Lai Yan Court). Photos taken on site shown in **Photo 6.1 – 6.2**.

Photo 6.1: Bus depot (opening facing south)	Photo 6.2: Bus depot (opening facing west)
	

6.1.1.3 In addition, the noise climate was dominated by road traffic noise from Ching Cheung Road. Given the large separation distance, screening of buildings and high background traffic noise, noise nuisance arising from the bus depot on the Application Site is not anticipated.

7 Review of Potential Air Quality Impact

7.1 Vehicular Emissions

7.1.1.1 Hong Kong Planning Standards and Guidelines (HKPSG) provides environmental guidance for residential developments on air quality. The guidelines recommend the minimum buffer distance required for active and passive recreational uses.

7.1.1.2 The buffer distances between the sensitive uses of the current development scheme and the surrounding major roads are summarized in **Table 7.1** and illustrated in **Figures 7.1-7.3** below.

Table 7.1: Separation distances between sensitive uses and nearby major roads

Name of Road	Type of Road[1]	HKPSG Recommended Setback Distance	Shortest Horizontal Setback Distance from the Nearest Air Sensitive Uses to Road Kerb
Lai King Hill Road	DD	>10m	13m
Castle Peak Road	PD	>20m	~100m
Bus lay-by on Lai King Hill Road	DD	>10m	10.1m

Note:
[1] In accordance with Annual Traffic Census (ATC) 2022: DD - District Distributor; PD – Primary Distributor.

Figure 7.1a: Separation distances between Block 7 and Lai King Hill Road

Figure 7.1b: Separation distances between RCHE on 1/F of Block 7 and Lai King Hill Road

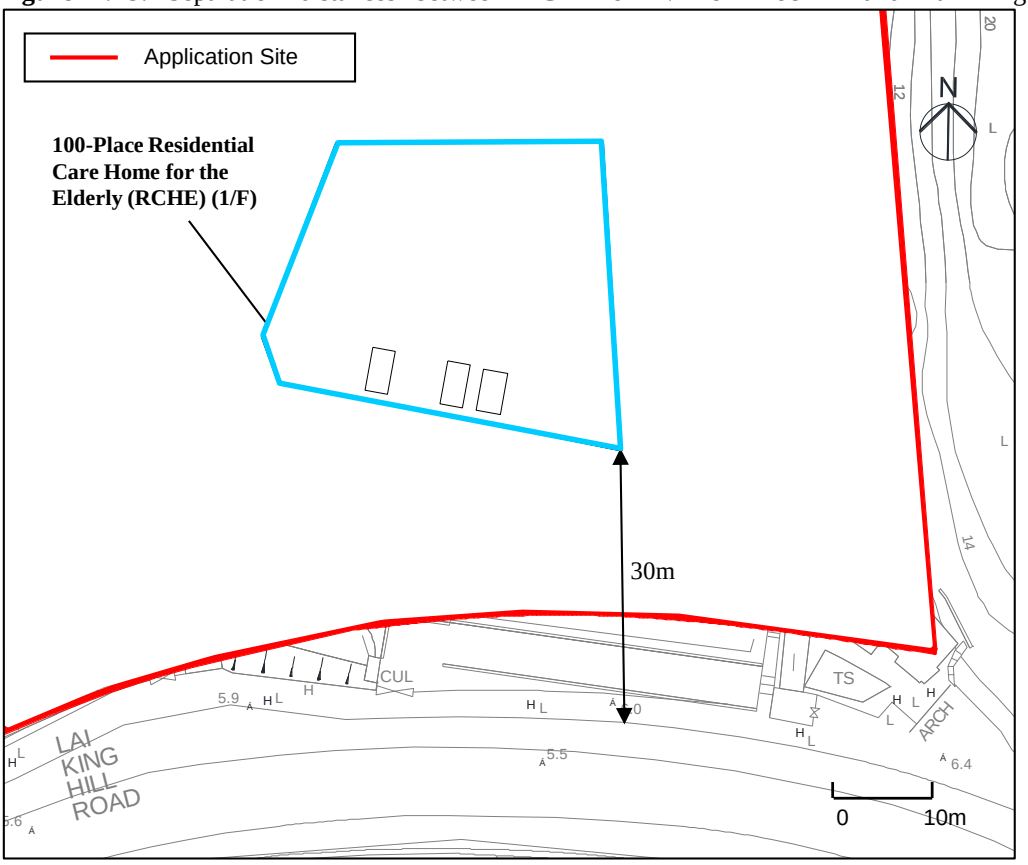


Figure 7.2a: Separation distances between Block 8 and Lai King Hill Road

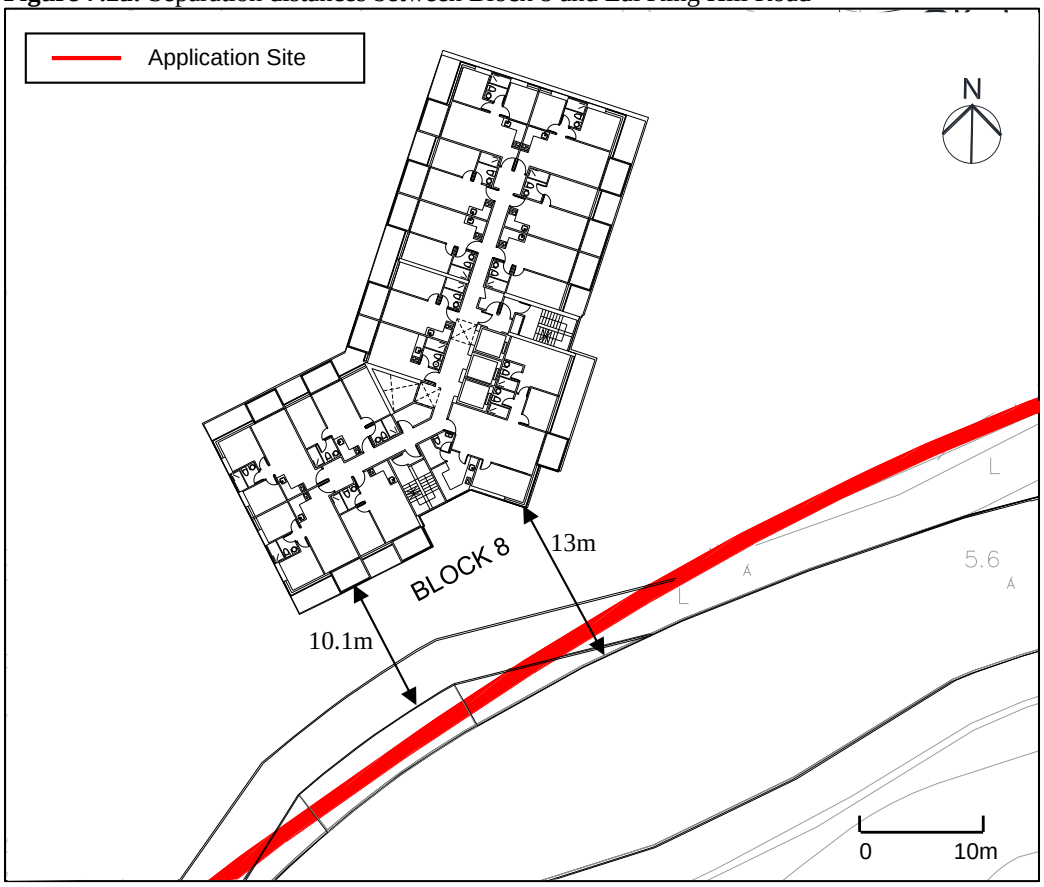


Figure 7.2b: Separation distances between DAC on 1/F of Block 8 and Lai King Hill Road

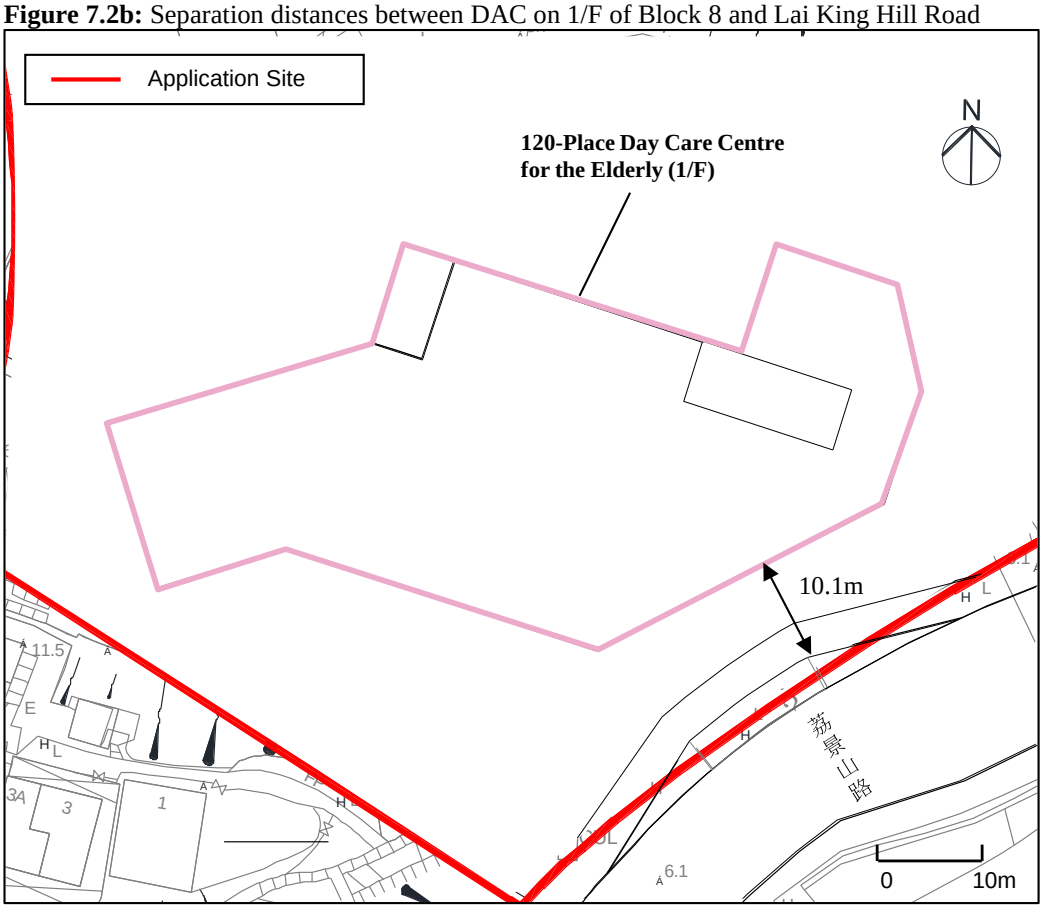
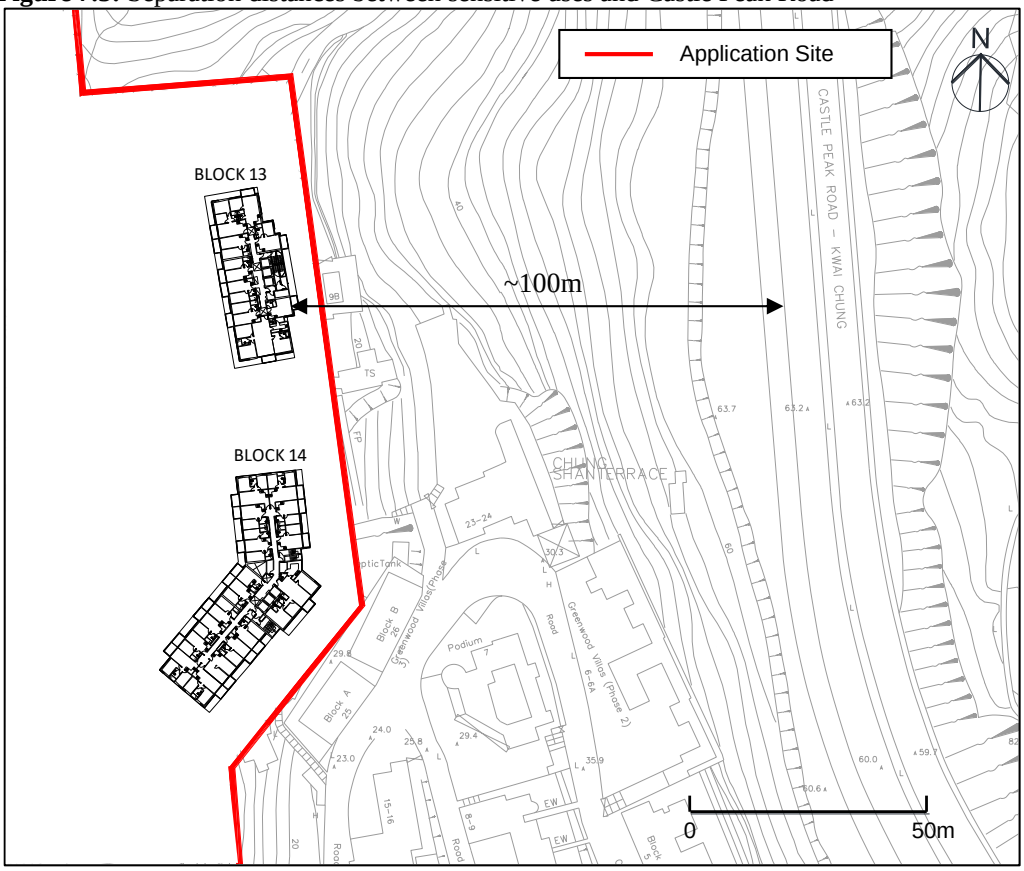


Figure 7.3: Separation distances between sensitive uses and Castle Peak Road



7.1.1.3 The internal loop road system within the proposed development is private road with security gate limited the access. Therefore, it is not regard as road system stated in Table 3.1 of the HKPSG and the buffer distance requirement is not applicable.

7.1.1.4 The current scheme can satisfy the setback distance requirements as stipulated in the HKPSG. No sensitive active and passive uses have been planned within the recommended buffer zone of 10m and 20m setback from road kerbs of Lai King Hill Road and Castle Peak Road respectively. Besides, no pedestrian area (i.e. seating place) have been planned within the recommended buffer zone. Adverse vehicular emission impact on the proposed residential development is therefore not anticipated.

7.1.1.5 The proposed two-floor car park will be located in the basement and hence no adverse air quality impact is anticipated due to the enclosed environment. Nevertheless, for the detailed design of the basement car park, the ventilation exhaust of the car park shall be located away from any ASRs as far as possible and the Air Quality Guidelines and Design Considerations specified in EPD ProPECC note on Control of Air Pollution in Car Parks will be followed to minimise air quality impacts from the proposed car park.

7.2 Chimney Emissions

7.2.1.1 According to the HKPSG, the recommended minimum buffer distance required for active and passive recreational uses depends on the difference in height between industrial chimney exit and the Site as indicated in **Table 7.2** below.

Table 7.2: Separation distances between sensitive uses and industrial chimneys

Pollution Source	Difference in Height between Industrial Chimney Exit and the Site	Buffer Distance	Permitted Uses
Industrial Areas	<20m	>200m	Active and passive recreational uses
		5 - 200m	Passive recreational uses
	20 - 30m	>100m	Active and passive recreational uses
		5 - 100m	Passive recreational uses
	30 - 40m	>50m	Active and passive recreational uses
		5 - 50m	Passive recreational uses
	>40m	>10m	Active and passive recreational uses

7.2.1.2 A chimney survey was conducted on a walk-over basis within the 500m of the boundary of the Application Site where site access was allowed and practicable in April 2024. There are some suspected chimneys at the rooftop of Kwai Chung Hospital and Princess Margaret Hospital. The locations of the suspected chimney are illustrated in **Figure 7.4**. Photo records of the chimneys are given in **Photo 7.1** to **Photo 7.3**.

Figure 7.4: Locations of chimneys in the vicinity of the Application Site

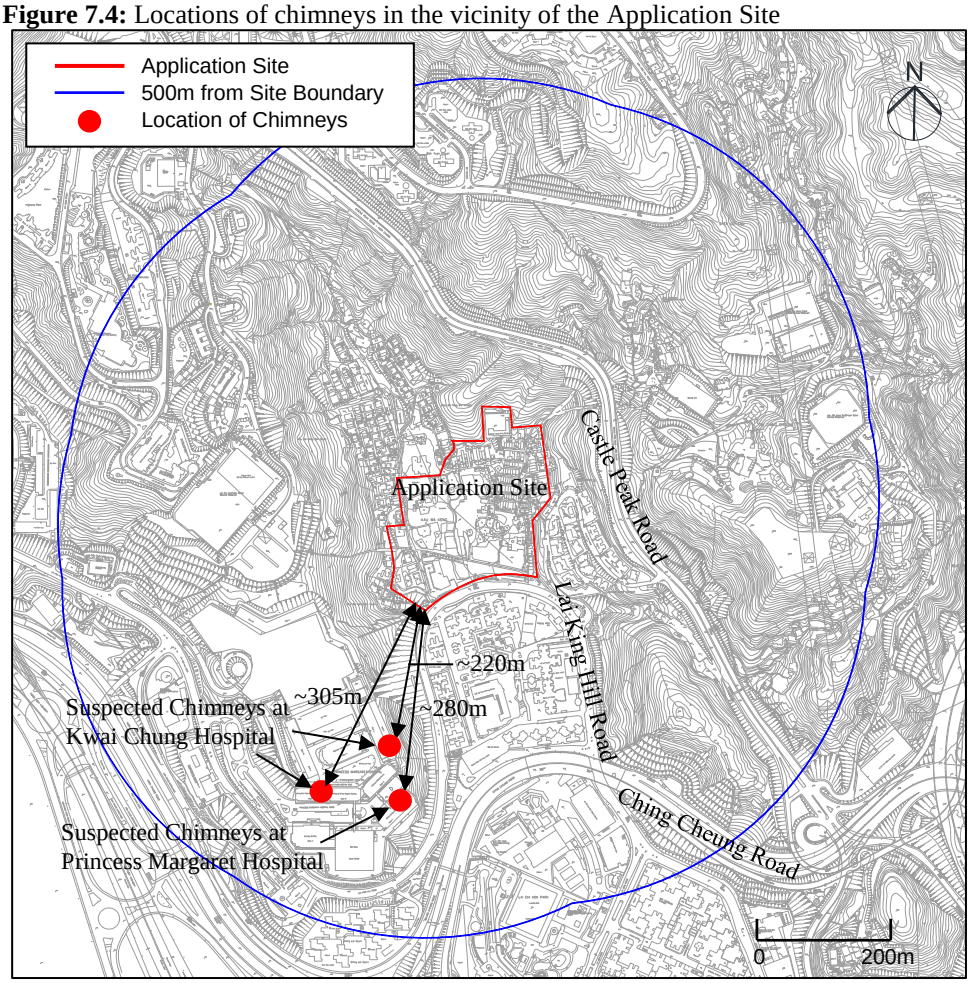


Photo 7.1: Chimney at rooftop of Princess Margaret Hospital	**Photo 7.2: Chimney at rooftop of Princess Margaret Hospital**
	

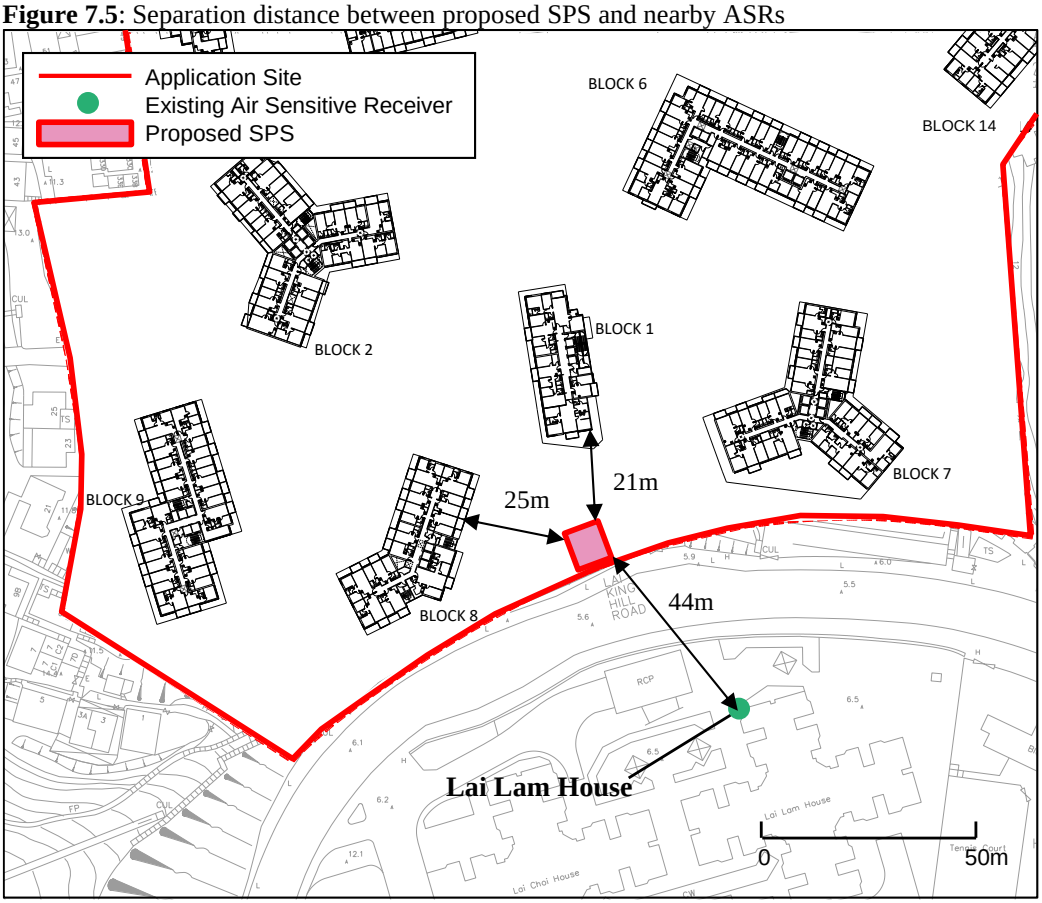
Photo 7.3: Chimney at rooftop of Kwai Chung Hospital

7.2.1.3 Identified chimneys are located at about 220m away from the boundary of the Application Site. Hence, the setback distance requirements as stipulated in HKPSG could well satisfied and no adverse air quality impact due to chimney is anticipated.

7.3 Odour Emission Impact

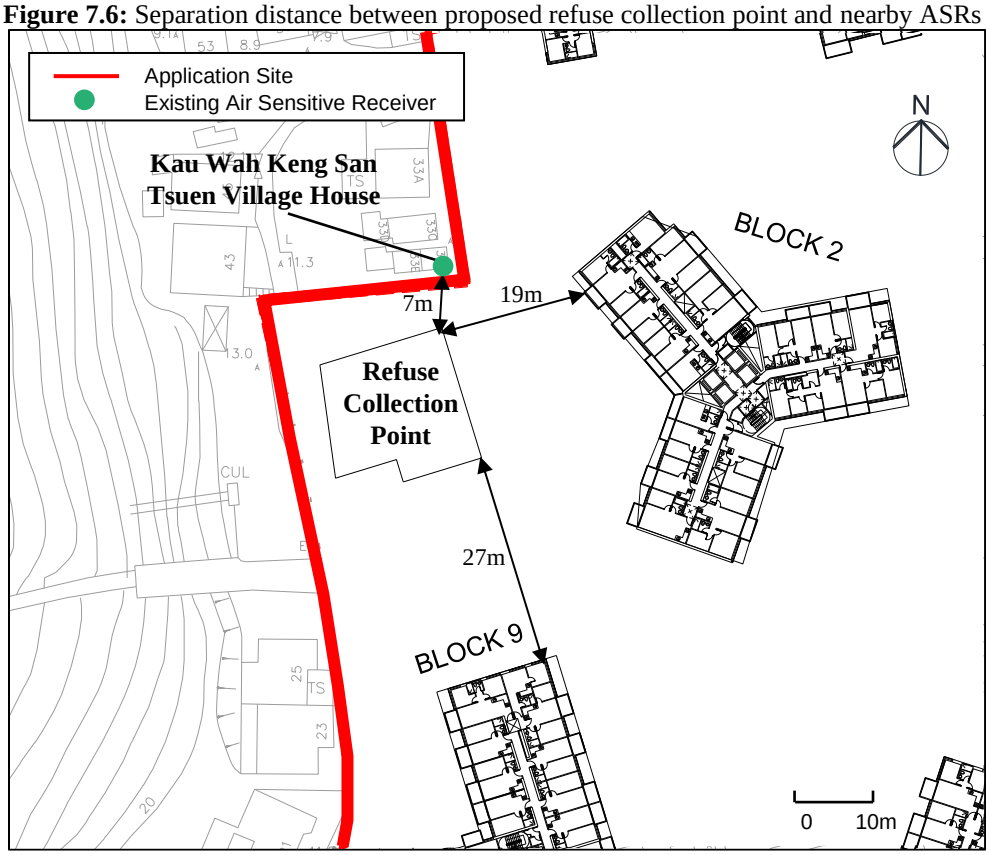
7.3.1.1 The proposed development has proposed a sewage pumping station (SPS) to support the development. The construction, operation and maintenance of the proposed SPS will be handled by the planning applicant. The proposed SPS has an installed capacity of 8,095m^3/day and is located within 200m from existing and/or planned residential area as shown in **Figure 7.5**. The air release valves and wet wells of the proposed SPS would be the odour sources to the nearby ASRs during operational phase. In order to minimize the potential odour impact, facilities and areas with potential odour emission such as wet wells, inlet chamber and screen chambers will be housed in by fully enclosed and reinforced concrete structure and the exhausted air will be conveyed to Deodourising (DO) unit with odour removal efficiency of 99.5% for treatment before being discharged. Exhaust fan will also be provided to the DO unit to maintain a negative pressure to prevent foul air from escaping the building. With the implementation of mitigation measures, no adverse odour impact from the proposed SPS is anticipated.

Figure 7.5: Separation distance between proposed SPS and nearby ASRs



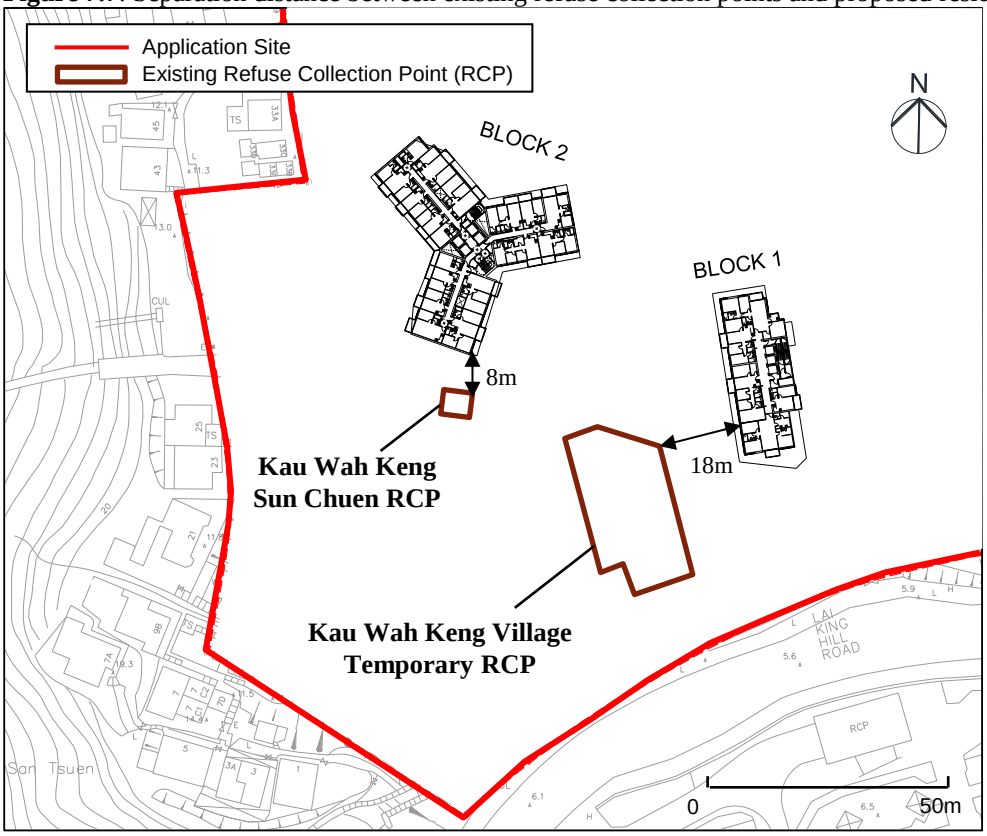
7.3.1.2 Besides, a refuse collection point has been proposed adjacent to Block 2 and Block 9, located at about 7m from the nearest existing ASR as shown in **Figure 7.6**. In order to minimize the potential odour nuisance on nearby ASRs, proper ventilation, deodourising (e.g. with 95% odour removal efficiency) and exhaust system will be provided where necessary. Good site practices will be also adopted to enhance the hygiene of the refuse collection point by frequent washing, proper covering of refuse bins, closing of roller shutters and proper maintenance of the ventilation, deodourising and exhaust systems.

Figure 7.6: Separation distance between proposed refuse collection point and nearby ASRs



7.3.1.3 When Phase 1A and Phase 1B are completed and Remaining Phase A and B are pending for construction, Block 1 of the proposed development will be about 18m away from Kau Wah Keng Village Temporary Refuse Collection Point while Block 2 will be about 8m away from Kau Wah Keng Sun Chuen Refuse Collection Point, as shown in **Figure 7.7**. Based on site observation, the refuse bins are properly covered and no odour has been perceived from the boundary of Kau Wah Keng Village Temporary Refuse Collection Point and Kau Wah Keng Sun Chuen Refuse Collection Point during the site visits. Also, the temporary refuse collection point is operated by Food and Environmental Hygiene Department (FEHD). FEHD will conduct regular checks and surprise inspections to ensure proper operation and hygiene of the temporary refuse collection point. Hence, no adverse odourous impact is anticipated on the nearby ASRs.

Figure 7.7: Separation distance between existing refuse collection points and proposed residential blocks



8 Land Contamination Appraisal

8.1 Site Description

8.1.1.1 The Application Site is situated at Kau Wa Keng, Kwai Chung, Kowloon. The Site is currently occupied by village houses. The Site is immediately adjacent to the existing village type houses and medium to high rise residential buildings The location of Application Site is indicated in **Figure 2.1**.

8.2 Review of Aerial Photographs and Historical Land Uses

8.2.1.1 Selected historical aerial photographs between 1963 to 2023 (i.e. 1963, 1973, 1982, 1993, 2001, 2012, 2018, 2021 and 2023) have been reviewed to identify any past land uses which may have the potential for causing land contamination. The historical aerial photographs are given in **Appendix 8.1**. The key findings are summarised in **Table 8.1** below.

Table 8.1: Description of historical land uses

Year	Description
1963	• The Application Site was filled with vegetation and village houses were located to the northeast of the Site.
1973	• No significant change in historical land use was observed as compared with that in Year 1963 within and in the vicinity of the Application Site.
1982	• No significant change in historical land use was observed as compared with that in Year 1973 within and in the vicinity of the Application Site.
1993	• The southwestern part of the Site which was previously occupied by vegetation was converted into a car park area
2001	• Trees in the central and southeastern part of the Site were cut down and the land was converted to structures and an open area respectively.
2012	• Increased number of structures were observed as more trees were being cut down.
2018	• The central part of the Site was converted into a commercial barbeque site • No significant change in historical land use was observed at the rest of the Site
2021	• Commercial barbeque site was observed in the southeastern part of the Site. • No significant change in historical land use was observed at the rest of the Site
2023	• Commercial barbeque sites in the central and southeastern part of the Site have now turned into vacant sites. • Car park area at the southwest of the Site was turned into open storage area • No significant change in historical land use was observed at the rest of the Site

8.3 Site Survey Findings

8.3.1.1 Site survey was conducted in April 2024 to identify any existing land uses within the Application Site and the adjoining sites which may have potential for causing land contamination. Photo record of the site survey is given in **Appendix 8.2** and the site walkover checklist is given in **Appendix 8.3**. Residential village houses, one open storage area at the southwest portion of the Site and one rubbish dumping area at the southern portion of the Site were observed within the Application Site. Storage of oil drums and construction equipment were observed in the open storage area; while abandoned electric cables and used detergent containers were observed in the rubbish dumping area.

8.4 Relevant Information Request

8.4.1 Fire Services Department

8.4.1.1 Information request on any Dangerous Goods (DGs) license registered, and any record of DGs spillage/leakage incidents within the Application Site have been sent to FSD. FSD advised that no DGs record was found associated. A total of six incident records including "Rubbish Fire", "Vegetation Fire", "No. 1 Alarm" & "Drown Case" incidents were found. As the site mainly consists of land for residential use and vegetated open areas, waste generated are typically general household refuse which would not contain chemicals or dangerous goods. Based on site observation, most of the site is also concrete-paved and no storage of chemicals and dangerous goods was observed. Potential leakage of chemicals brought by burning activities is not expected. Potential land contamination issue is therefore not anticipated. The correspondence with FSD is enclosed in **Appendix 8.4**.

8.4.2 Environmental Protection Department

8.4.2.1 Information request on any Chemical Waste Producer (CWP) registered, and any record of chemical spillage/leakage incidents within the Application Site were made to EPD. EPD advised that no record of accidents of spillage/leakage of chemicals were found associated with the Application Site. The correspondence with EPD is attached in **Appendix 8.5**. In addition, the Chemical Waste Producers Registration records in EPD office were reviewed and no records of chemical waste producers within the Application Site were found.

8.5 Identification of Potentially Contaminated Site

8.5.1.1 Based on the desktop review findings of selected aerial photos, the information collected during site surveys, the open storage area is identified to be potentially contaminated in accordance with the criteria in EPD's Practice Guide for Investigation and Remediation of Contaminated Land for land use type of open storage area. For the rubbish dumping area, as mixed waste types (i.e. electric cables and detergent containers) were observed within the

area, potential spillage/leakage of chemicals might be anticipated. Therefore, the rubbish dumping area is also identified as potentially contaminated site.

8.5.1.2 Both the open storage area and rubbish dumping area were enclosed by fences during the site survey. Since the accesses to the sites were restricted, the existing activity within the open storage areas and rubbish dumping area need to be further studied. Therefore, re-appraisal of the potentially contaminated sites and re-appraisal of the areas are recommended when the sites are resumed and accesses are available.

8.6 Site Re-appraisal and Site Investigation Proposal

8.6.1.1 Site reconnaissance is suggested to be conducted in next stage to identify any future land use change associated with potential land contamination activities occurred before the commencement of the construction works. Site re-appraisal shall be conducted when the sites become accessible to address any land use change associated with potential land contamination activities. If any potentially contaminated activities are observed during site re-appraisal, environmental site investigation (SI) should be proposed in a separate Contamination Assessment Plan (CAP) for EPD's agreement.

8.7 Submission Requirements of CAP, CAR, RAP and RR

8.7.1.1 If potential land contamination issues are revealed within the Site prior to the commencement of the construction, a Contamination Assessment Plan (CAP) will be required to provide detail evaluation of land contamination potential within the Site, and site investigation (SI) including soil sampling and testing will be proposed. The CAP will be submitted to EPD for endorsement.

8.7.1.2 Following the submission of CAP for EPD's agreement and completion of site investigation and laboratory testing works, a Contamination Assessment Report (CAR) would be prepared. The CAR would present the findings of the SI and evaluate the level and extent of potential contamination. The CAR would evaluate the potential environmental and human health impacts based on the extent of potential contamination identified. If remediation is required, a Remediation Action Plan (RAP) would be prepared. The objectives of the RAP are:

- To undertake further site investigation where required;
- To evaluate and recommend appropriate remedial measures for the contaminated materials identified in the assessment;
- To recommend good handling practices for the contaminated materials during all stages of the remediation works;
- To recommend appropriate handling and disposal measures; and
- To formulate optimal and cost-effective mitigation and remedial measures for EPD's agreement.

8.7.1.3 A Remediation Report (RR) would also be prepared and submitted to EPD to demonstrate that the clean-up works are adequate. No construction works or development of site should be carried out prior to the approval of the RR.

9 Waste Management

9.1 Evaluation of Constructional Phase Impact

9.1.1 Identification and Evaluation of Impact

9.1.1.1 During the construction phase, key construction activities which would potentially result in the generation of waste include minor site clearance including any temporary structure, piling works, soil excavation for basement and superstructure, etc. within the site area. These activities would result in the generation of wastes including both inert and non-inert construction and demolition (C&D) materials, chemical wastes and general refuse from on-site workforce.

9.1.1.2 However, in general, the handling and disposal of these materials and wastes will require proper management in order not to cause environmental impacts and nuisance. It is anticipated that there would not be any insurmountable impacts provided good site practices and other appropriate mitigation measures are implemented.

9.1.2 C&D Materials

9.1.2.1 Based on the preliminary design, it is estimated that about 332,000m^3 of inert soft C&D materials (e.g. excavated soil, demolition C&D materials) and 16,500m^3 non-inert C&D materials will be generated during the construction phase of the site clearance and site formation works. All C&D materials arising from the construction will be sorted on–site to recover the inert C&D materials as well as the reusable and recyclable materials.

9.1.2.2 Any surplus C&D materials will become the property of the Contractor once they are removed from the site. The Contractor will be responsible for devising a system to work for on–site sorting of C&D materials and to promptly remove all sorted and processed material arising from the construction activities to optimise temporary stockpiling on–site. It is recommended that the system should include the identification of the source of generation, estimated quantity, arrangement for on–site sorting and/or collection, temporary storage areas, and frequency of collection by recycling contractors or frequency of removal off–site.

9.1.2.3 Disposal of C&D materials can be minimized through careful planning during the detailed design stage and with good site practice during construction. This includes the use of non–timber formwork and temporary works and on–site sorting of the C&D materials for reuse and recycling as far as practicable. For the inert C&D materials, it would be reused on–site as far as possible or else it would be delivered to public fill reception facilities. The opportunity of reusing excavated C&D materials would be investigated in the Waste Management Plan, which will be derived in later detailed design stage.

9.1.2.4 With the proper implementation of good construction site practice and recommended mitigation measures, the on-site handling, reuse, transportation and disposal of C&D materials would not cause adverse environmental impacts.

9.1.3 Chemical Waste

9.1.3.1 Chemical wastes likely to be generated from the construction activities and associated facilities may include:

- scrap batteries or spent acid/alkali from their maintenance;
- used paint, engine oils, hydraulic fluids and waste fuel;
- spent mineral oils/cleansing fluids from mechanical machinery; and
- spent solvents/solutions, some of which may be halogenated, from equipment cleansing activities.

9.1.3.2 Chemical wastes may pose environmental, health and safety hazards if not stored and disposed of in an appropriate manner as outlined in the Waste Disposal (Chemical Waste) (General) Regulation and the Code of Practice on the Packaging, Labelling and Storage of Chemical Waste. These hazards may include:

- toxic effects to workers;
- adverse effects on air, water and land from spills; and
- fire hazards.

9.1.3.3 It is difficult to quantify the amount of chemical waste as it will be highly dependent on the contractor's on–site maintenance practice the number of plant and vehicles utilized. Nevertheless, it is anticipated that the quantity of chemical wastes would be small and in the order of few hundred litres per month. The estimated amount of chemical waste to be generated during construction phase is summarized in **Table 9.1**.

Table 9.1 Summary of chemical waste during construction phase

Waste type	Total amount generated
Scrap batteries	A few hundred kilograms per month
Spend hydraulic oil and waste fuel	A few hundred litres per month
Spent lubrication oil and cleaning fluids	
Spend solvent	

9.1.3.4 Suitable arrangements for the storage, handling, transport and disposal of chemical wastes shall be made in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Waste. Wherever possible opportunities should be taken to reuse and recycle materials.

9.1.4 General Refuse

9.1.4.1 The general refuse generated by the construction workforces mainly consists of food waste, aluminium cans and wastepaper. These general refuses will require off–site disposal. The number of workforce (clerical and workers) to be employed for the Project is not available at this stage, but is anticipated not to be over 1,000 staff. Based on the generation rate of 0.65kg/person/day, the total refuse generated per day would be less than 650kg/day. Therefore, it is estimated that 790 tonnes of general refuse would be generated during construction phase. The breakdown of estimated amount of general refuse to be generated during construction phase is summarised in **Table 9.2** below.

Table 9.2 Summary of general refuse during construction phase

Activities	Period	Daily Waste Generation (kg/day)	Total Amount Generated (tonne)
Construction phase	Approx. 2.5 years	< 650	<790

9.1.4.2 Effective collection of site waste will be required to prevent waste materials being blown around by wind, flushed or leached into the marine environment, or creating an odour nuisance or pest and vermin problem. Waste storage areas shall be well maintained and cleaned regularly. In addition, disposal of waste at sites other than approved waste transfer or disposal facilities shall be prohibited.

9.1.4.3 With the implementation of good waste management practices at the site, adverse environmental impacts are not expected to arise from the storage handling and transportation of general refuse generated from the site.

9.2 Recommended Practices for Construction Phase

9.2.1.1 Good site practice to avoid or reduce potential adverse environmental impacts associated with handling, collection and disposal of waste are proposed. These recommendations are based on the waste management hierarchy principles. The waste management options considered to be most preferable have the least environmental impacts and are more sustainable in the long term. The hierarchy is as follows (the priority follows descending order):

- avoidance and minimization,
- separation of inert C&D materials, reusable and recyclable materials from other wastes,
- reuse of materials,
- recovery and recycling, and
- treatment and disposal.

9.2.1.2 Prior to the commencement of the construction works, the contractors should incorporate these recommendations into a Waste Management Plan to provide an overall framework for waste management and reduction. Recommended good site practice, waste reduction measures as well as the waste transportation, storage and collection are as follows:

9.2.2 Good Site Practices

9.2.2.1 Adverse waste management implications are not expected, provided that good site practices are strictly implemented. The following good site practices are recommended throughout the construction phase of the Project:

9.2.2.2 Nomination of an approved personnel to be responsible for the implementation of good site practices, arrangements for collection and effective disposal to an appropriate facility of all wastes generated at the site;

- training of site personnel in proper waste management and chemical handling procedures;
- provision of sufficient waste disposal points and regular collection for disposal;
- separation of chemical wastes for special handling and appropriate treatment at the Chemical Waste Treatment Centre;
- regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors;
- implementation of a recording system for the amount of wastes generated/recycled and disposal sites. and
- Waste Management Plan (WMP) should be prepared and implemented by the Contractor in accordance with the Building Department's "Practice Note for Authorized Persons and Registered Structural Engineers (PN for AP & RSE) No. 243". The WMP will be submitted to the Architect/Engineer for approval.

9.2.3 Waste Reduction Measures

9.2.3.1 The amount of waste generated can be significantly reduced through good management and control. Waste reduction is best achieved at the site planning and design phase, as well as by ensuring the implementation of good site practices when the works are in progress. Recommendations for achieving waste reduction include:

- on–site reuse of any material excavated as far as practicable;
- segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of material and their proper disposal;
- collection of aluminium cans and waste paper by individual collectors during construction should be encouraged. Separately labelled recycling bins should also be provided to segregate these wastes from other general refuse by the workforce;

- recycling of any unused chemicals and those with remaining functional capacity as far as possible;
- prevention of potential damage or contamination to the construction materials through proper storage and good site practices;
- planning and stocking of construction materials should be made carefully to minimise amount of waste generated and to avoid unnecessary generation of waste; and
- training on the importance of appropriate waste management procedures, including waste reduction, reuse and recycling should be provided to workers.

9.2.4 Storage, Collection and Transportation of Waste

9.2.4.1 Storage of waste on site may induce adverse environmental implications if not properly managed. The following recommendations should be implemented to minimise the impacts:

- waste such as soil should be handled and stored well to ensure secure containment;
- stockpiling area should be provided with covers and water spraying system to prevent materials from being washed away and to reduce wind–blown litter
- different locations should be designated to stockpile each material to enhance reuse.

9.2.4.2 With respect to the collection and transportation of waste from the construction works area to respective disposal sites, the following recommendations should be implemented to minimise the potential adverse environmental impacts:

- remove waste in timely manner;
- employ trucks with cover or enclosed containers for waste transportations;
- obtain relevant waste disposal permits from the appropriate authorities; and
- disposal of waste should be done at licensed waste disposal facilities.

9.2.4.3 In addition to the above measures, other specific mitigation measures on handling other specific waste generated from construction phase are recommended in the following subsections

9.2.5 C&D Materials

9.2.5.1 Wherever practicable, C&D materials should be segregated from other wastes to avoid contamination and ensure acceptability at public filling areas or reclamation sites. The following mitigation measures should be implemented in handling the waste:

- maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement;
- carry out on–site sorting;

- make provisions in the contract documents to allow and promote the use of recycled aggregates where appropriate; and
- implement a trip–ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified.

9.2.5.2 In addition, disposal of the C&D materials onto any sensitive location such as agricultural land, etc. should be avoided. Disposal of C&D materials or any other wastes at unauthorized locations and sites other than approved waste transfer or disposal facilities shall be prohibited.

9.2.5.3 Standard formwork or pre–fabrication should be used as far as practicable in order to minimise the arising of C&D materials. The use of more durable formwork or plastic facing for the construction works should be considered. Metal hoarding should be used to enhance the possibility of recycling. The purchasing of construction materials should be carefully planned in order to avoid over ordering and wastage.

9.2.5.4 The contractor should recycle as much of the C&D materials as possible on–site. Public fill and C&D waste should be segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal. Where practicable, concrete and masonry can be crushed and used as fill. Steel reinforcement bar can be used by scrap steel mills. Different areas of the construction site should be considered for such segregation and storage.

9.2.5.5 According to the "Project Administrative Handbook Chapter 4, Section 4.1.3", for DPs, a Construction and Demolition Material Management Plan (C&DMMP) has to be submitted to the Public Fill Committee (PFC) for approval in case of C&D materials disposal exceeding 50,000m^3. For non–DPs, a C&DMMP has to be submitted to PFC for approval prior to commencement of the detailed design in case of generating surplus C&D materials in excess of 300,000 m^3 or requiring imported fill exceeding 300,000m^3. The C&DMMP should be vetted and endorsed by the departmental Vetting Committee before submitting to PFC for approval. Since the proposed development is a non-DP and will generate less than 300,000m^3 C&D materials, a C&DMMP is not required under PAH. Nonetheless, the Project Proponent shall consult the Public Fill Committee of CEDD for the advisory outlet of the C&D materials.

9.2.6 Chemical Waste

9.2.6.1 For those processes that generate chemical wastes, the contractor shall identify any alternatives that generate reduced quantities or even no chemical wastes, or less dangerous types of chemical wastes.

9.2.6.2 If chemical wastes are produced at the construction site, the contractors should register with EPD as chemical waste producers. Chemical wastes should be handled in accordance with the Code of Practice on the Packaging, Handling and Storage of Chemical Wastes. Containers used for storage of chemical wastes should:

- be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed;
- have a capacity of less than 450 L unless the specification has been approved by EPD; and
- display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Regulations.

9.2.6.3 The storage area for chemical wastes should:

- be clearly labelled and used solely for the storage of chemical wastes;
- be enclosed on at least 3 sides;
- has an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical wastes stored in the area, whichever is greatest;
- have adequate ventilation;
- be covered to prevent rainfall entering (water collected within the bund must be tested and disposed as chemical wastes, if necessary); and
- be arranged so that incompatible materials are adequately separated.

9.2.6.4 Disposal of chemical wastes should:

- be via a licensed waste collector; and
- be to a facility licensed to receive chemical wastes, such as the CWTC which also offers a chemical waste collection service and can supply the necessary storage containers; or
- be to a re–user of the waste, upon approval granted by EPD.

9.2.7 General Refuse

9.2.7.1 General refuse generated on–site should be stored in enclosed bins or compaction units separated from construction and chemical wastes. Recycling bins should also be provided to encourage recycling. A reputable waste collector should be employed by the contractor to remove general refuse from the site on a daily basis separate from the construction and chemical wastes. Burning of refuse on construction sites or fly tipping is prohibited by law.

9.3 Evaluation of Operational Phase Impact

9.3.1 Identification and Evaluation of Impact

9.3.1.1 The operational phase of the proposed development would generate municipal solid waste. With reference to the latest data from "Monitoring of Solid Waste in Hong Kong 2023" by EPD, the MSW disposal rate was 1.44 kg/person/day in Year 2023, and the recovery rate for recycling was 33% of the MSW generation. By calculation, the MSW generation rate, disposal rate and recycled rate were 2.15 kg/person/day, 1.44 kg/person/day and 0.71 kg/person/day in 2023 respectively. The estimated MSW based on planned residential and non-domestic populations respectively is summarized in **Table 9.3**.

Table 9.3 Estimated quantities of MSW from planned Residential and Employment Population during operation phase

Estimated MSW (tpd)[1]			
Residential Population	**Generated[2]**	**Required Disposal [2]**	**Recycled [2]**
19,038	40.9	27.4	13.5
Non-domestic Population	**Generated[2]**	**Required Disposal [2]**	**Recycled [2]**
966	20.8	13.9	68.6

Note:
[1] tpd: tonne per day
[2] MSW disposal rate was 1.44kg/person/day according to "Monitoring of Solid Waste in Hong Kong 2023" by EPD (https://www.wastereduction.gov.hk/sites/default/files/resources_centre/waste_statistics/msw2023_eng.pdf). By calculation, the MSW generation rate was 2.15kg/person/day. MSW recovery rate for recycling was 33% of the MSW generation. By calculation, the MSW recycling rate was 0.71kg/person/day.

9.3.1.2 A reputable waste collector should be employed to provide routine cleaning of the proposed development to minimize odour, pest and litter impacts associated with the generation of general refuse. Recycling bins should also be provided to encourage recycling.

9.3.1.3 With the implementation of the recommended mitigation measures for the handling, transportation and disposal of the identified waste, adverse residual waste management implications are not anticipated for the operational phase.

9.4 Recommended Practices for Operational Phase

9.4.1 Waste Collection and Disposal

9.4.1.1 An effective and efficient waste handling system is essential in order to minimize potential adverse environmental impacts during waste storage, collection and transport, such impacts

may include odour if waste is not collected frequently; water quality if waste enters storm water drains; aesthetics and vermin problems if the waste storage area is not well maintained and cleaned regularly. The waste handling system may also facilitate materials recovery and recycling.

9.4.1.2 A refuse collection room would be installed at the ground floor for localized refuse collection and the waste would be transported to a refuse transfer station (RFS). To avoid potential odour nuisance during transport of waste, enclosed waste collection trucks should be used and the collection route and time should be properly planned. At least daily collection should be arranged by the waste collector.

9.4.2 Waste Recycling

9.4.2.1 In order to facilitate recycling, a 4-bin recycling system for paper, metals, plastics and glass should be adopted together with a general refuse bin. They should be placed in prominent places to promote waste separation at source. All recyclable materials should be collected by recyclers. Food waste recycling bins should be set up at a designated location to collect food waste during operational phase. The collected food waste should be delivered to the EPD's food waste recycling facilities (i.e. Organic Resources Recovery Centre (ORRC)) for composting treatment.

10 Water Quality Impact

10.1 Description of the Environment

10.1.1.1 The Application Site falls within the Victoria Harbour (Phase 1) WCZ and is located on the southeast of Kau Wa Keng Stream. Water quality impacts on the Kau Wa Keng Stream may be anticipated. The Application Site is located inland, therefore water quality impact to coastal water is not anticipated. This section presents the assessment of potential water quality impact associated with the construction and operation phases of the proposed development. Recommendations for mitigation measures have been made, where necessary, to minimize the potential water quality impacts.

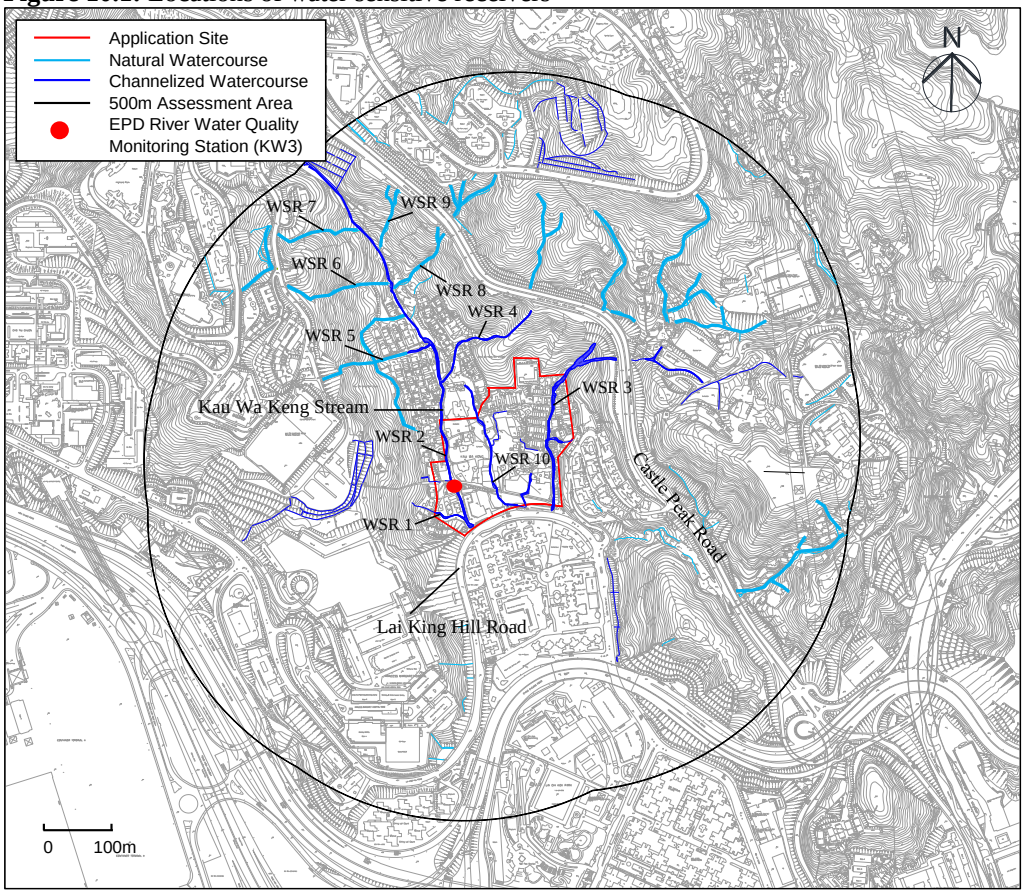
10.2 Water Sensitive Receivers

10.2.1.1 Water Sensitive Receivers (WSRs) within 500m from the Application Site are identified and presented in **Figure 10.1**. Major WSRs are listed in **Table 10.1**.

Table 10.1: Water sensitive receivers

ID	WSRs	Status
WSR 1	From the slope which is next to WSD Compound and joint into WSR 2	Perennial Channelized Watercourse
WSR 2	From Wa Tai Road to Lai King Hill Road passing through Kau Wa Keng San Tsuen	Perennial Channelized Watercourse
WSR 3	From Castle Peak Road-Kwai Chung to Lai King Hill Road passing through Kau Wa Keng Old Village	Perennial Channelized Watercourse
WSR 4	From the slope which is next to Castle Peak Road – Kwai Chung and joint into WSR 2	Perennial Channelized Watercourse
WSR 5	On the slope between existing LCKFWSR and Kau Wa Keng San Tsuen	Seasonal Watercourse
WSR 6	From the slope which is next to Wa Tai Road and joint into WSR 2	Seasonal Watercourse
WSR 7	From the slope which is next to Wa Tai Road and joint into WSR 2	Seasonal Watercourse
WSR 8	From the slope which is next to Castle Peak Road – Kwai Chung and joint into WSR 2	Seasonal Watercourse
WSR 9	On the slope between Castle Peak Road – Kwai Chung and Wa Tai Road	Seasonal Watercourse
WSR 10	Through the middle portion of Kau Wa Village	Perennial Channelized Watercourse

Figure 10.1: Locations of water sensitive receivers



10.3 Construction Phase Impact Evaluation

10.3.1 Construction Site Runoff

10.3.1.1 During rainstorm events, construction site runoff would come from all over the works site. The surface runoff might be polluted by:

- Runoff and erosion from site surfaces, earth working areas and stockpiles;
- Wash water from dust suppression sprays and wheel washing facilities; and
- Chemicals spillage such as fuel, oil, solvents and lubricants from maintenance of construction machinery and equipment.

10.3.1.2 Construction runoff may cause physical, biological and chemical effects. The physical effects include potential blockage of drainage channels and increase of suspended solid levels in the receiving water bodies. Runoff containing significant amounts of concrete and cement–derived material may cause primary chemical effects such as increasing turbidity and discoloration, elevation in pH, and accretion of solids. A number of secondary effects may also result in toxic effects to water biota due to elevated pH values, and reduced decay rates of faecal microorganisms and photosynthetic rate due to the decreased light penetration.

10.3.1.3 Construction site runoff could be carefully controlled and mitigated through the recommended mitigation measures outlined in **Section 10.4**. Construction site runoff impacts would therefore be reduced to satisfactory levels before discharges such that adverse water quality impact would not be anticipated.

10.3.2 Construction Works in Close Proximity of Inland Waters

10.3.2.1 Some of the watercourses are located within or near the Application Site. Construction works near these watercourses may pollute the storm water or inland waters due to potential release of construction wastes. Construction wastewater are generally characterised by high concentration of suspended solid (SS) and elevated pH. Adoption of good housekeeping and mitigation measures would reduce the generation of construction wastes and potential water pollution. The implementation of measures to control run-off and drainage water will be important for the construction works adjacent to the inland water in order to prevent run-off and drainage water with high levels of SS from entering the water environment. With the implementation of adequate construction site drainage and provision of mitigation measures as specified in ETWB TC (Works) No. 5/2005 "Protection of natural streams/rivers from adverse impacts arising from construction works", it is anticipated that water quality impacts would be minimised.

10.3.3 Sewage from Workforce

10.3.3.1 Sludge and sewage effluents will arise from the sanitary facilities provided for the on–site construction workforce. The sewage is characterized by high levels of biochemical oxygen demand (BOD), ammonia, E. coli and oil / grease.

10.3.3.2 The sewage generated should be properly managed to minimize the adverse impact of odour and potential health risks to the workers by attracting pests and other disease vectors.

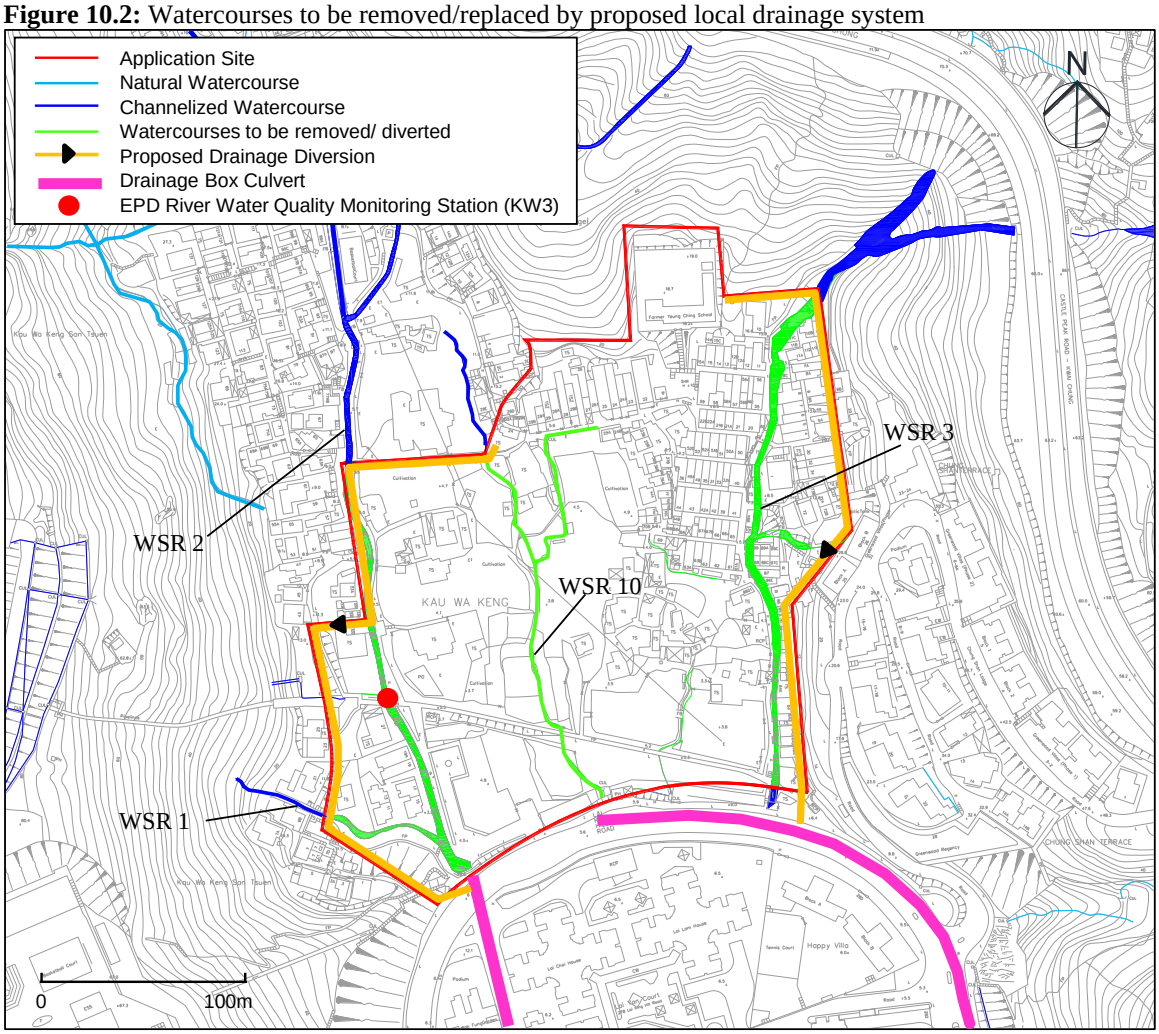
10.3.3.3 Adequate portable chemical toilets should be provided to ensure all sewage is properly collected. It is anticipated that no adverse environmental implications would arise if the chemical toilets are properly maintained and licensed collectors are employed for the collection and disposal of sewage on a regular basis.

10.3.4 Alteration of Watercourses

10.3.4.1 Watercourses are running close and within the proposed development. In consideration of various design constraints on the proposed development, it is advised that the current alignment is the optimum and cannot be further adjusted. Due to close proximity to the proposed development, the streams would unavoidably be affected. Therefore, watercourses within the Application Site would be diverted to the existing downstream drainage system via proposed drainage channels or box culverts. The sections of watercourses (i.e. downstream of WSR1, WSR2, WSR3 and WSR10) within the proposed development would

be replaced by a proposed local drainage system that connects to the existing downstream drainage system (**Figure 10.2**). The detailed schedule of the diversion works is not available at this stage, but is anticipated to be completed by the proposed full intake year of 2035. Nevertheless, since EPD's water quality monitoring station KW3 would be affected by the proposed watercourse removal/ diversion, EPD shall be informed of the construction schedule for the four phases of the proposed development before commencement of construction works. EPD shall be updated on the commencement date of the watercourse removal/ diversion prior to its commencement. The proposed drainage diversion is extracted from the Drainage Impact Assessment (DIA) and presented in **Appendix 10.1**. Details shall be referred to the separated DIA Report.

Figure 10.2: Watercourses to be removed/replaced by proposed local drainage system



10.4 Recommended Mitigation Measures for Construction Phase

10.4.1 Construction Site Runoff

10.4.1.1 In accordance with the Practice Note for Professional Persons on Construction Site Drainage, EPD, 2024 (ProPECC PN 2/24), the proposed construction phase mitigation measures include but not limited to the following.

- At the start of site establishment, perimeter cut–off drains to direct off–site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided on site to direct storm water to silt removal facilities. The design of the temporary on–site drainage system will be undertaken by the contractor prior to the commencement of construction.
- Diversion of natural storm water should be provided as far as possible. The design of temporary on–site drainage should prevent runoff going through site surface, construction machinery and equipment in order to avoid or minimize polluted runoff. Sedimentation tanks with sufficient capacity, constructed from pre–formed individual cells of approximately 6 to 8m^3 capacities, are recommended as a general mitigation measure which can be used for settling surface runoff prior to disposal. The system capacity shall be flexible and able to handle multiple inputs from a variety of sources and suited to applications where the influent is pumped.
- The dikes or embankments for flood protection should be implemented around the boundaries of earthwork areas. Temporary ditches should be provided to facilitate the runoff discharge into an appropriate watercourse, through a silt/sediment trap. The silt/sediment traps should be incorporated in the permanent drainage channels to enhance deposition rates.
- The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 2/24. The detailed design of the sand/silt traps should be undertaken by the contractor prior to the commencement of construction.
- Construction works should be programmed to minimize surface excavation works during the rainy seasons (April to September). All exposed earth areas should be completed and vegetated as soon as possible after earthworks have been completed. If excavation of soil cannot be avoided during the rainy season, or at any time of year when rainstorms are likely, exposed slope surfaces should be covered by tarpaulin or other means. Temporary access roads should be protected by crushed stone or gravel, as excavation proceeds. Intercepting channels should be provided (e.g. along the crest/edge of excavation) to prevent storm runoff from washing across exposed soil surfaces. Arrangements should always be in place to ensure that adequate surface protection measures can be safely carried out well before the arrival of a rainstorm.
- Earthworks final surfaces should be well compacted and the subsequent permanent work or surface protection shall be carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms. Appropriate drainage like intercepting channels should be provided where necessary.
- All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rainstorms. Deposited silt and grit should be removed regularly and disposed of by spreading evenly over stable, vegetated areas.
- Measures should be taken to minimise the ingress of site drainage into excavations. If the excavation of trenches in wet periods is necessary, it should be dug and backfilled in short sections wherever practicable. Water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.
- All open stockpiles of construction materials (for example, aggregates, sand and fill material) should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.

- Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers. Discharge of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system.
- Precautions should be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecasted, and actions to be taken during or after rainstorms are summarised in Appendix A2 of ProPECC PN 2/24. Particular attention should be paid to the control of silty surface runoff during storm events.
- All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and sited wheel washing facilities should be provided at every construction site exit where practicable. Wash–water should have sand and silt settled out and removed at least on a weekly basis to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel–wash bay to the public road should be paved with sufficient back fall toward the wheel–wash bay to prevent vehicle tracking of soil and silty water to public roads and drains.
- Oil interceptors should be provided in the drainage system downstream of any oil/fuel pollution sources. The oil interceptors should be emptied and cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage. A bypass should be provided for the oil interceptors to prevent flushing during heavy rain.
- Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts.
- All fuel tanks and storage areas should be provided with locks and sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank to prevent spilled fuel oils from reaching water sensitive receivers nearby.
- Groundwater pumped out of wells, etc, for the lowering of groundwater level in basement or foundation construction should be discharge into storm drains after the removal of silt in silt removal facilities.
- Water used in ground boring and drilling for site investigation or rock/soil anchoring should as far as practicable be recirculated after sedimentation. When there is a need for final disposal， the wastewater should be discharged into storm drains via silt removal facilities.

10.4.1.2 By adopting the above mitigation measures with best management practices, it is anticipated that the impacts of construction site runoff from the construction site will be reduced to satisfactory levels before discharges. The details of best management practices will be highly dependent to actual site condition and the Contractor shall apply for a discharge license under WPCO.

10.4.2 Construction Works in Close Proximity of Inland Waters

10.4.2.1 Apart from the general site best management practices, extra care shall be paid for works near watercourses to minimise the potential water quality impacts. The measures described in ETWB TC (Works) No. 5/2005 "Protection of natural streams / rivers from adverse impacts arising from construction works" should be adopted where applicable. The major measures are list below:

- Stockpiling of construction materials and dusty materials should be located away from any watercourses, contained in bunded areas and covered with tarpaulin.
- Construction debris and spoil should be covered with tarpaulin during storage. Timely removal of materials away from the site for disposal should be arranged to avoid being washed into the nearby watercourses.
- Water pumps should be used to collect any wastewater and construction site surface runoff. The collected wastewater shall be properly treated before discharge.
- Any wastewater treatment facility and discharge point during construction stage, with effluent pre-treatment to WPCO requirement as necessary, should be sited away from natural section of watercourse.
- Toe-board and bunds shall be provided along the edge of the works area to prevent wastewater/ debris from falling into the watercourses.
- Proper shoring may need to be erected in order to prevent soil / mud from slipping into the inland water bodies.
- Construction effluent, site run-off and sewage should be properly collected and/or treated.
- Construction works close to the inland waters should be carried out in dry season as far as practicable where the flow in the surface channel or stream is low.
- The use of less or smaller construction plants may be specified in areas close to the watercourses to reduce the disturbance to the surface water.

10.4.3 Sewage from Workforce

10.4.3.1 Portable chemical toilets and sewage holding tanks should be provided for handling the sewage generated by the construction workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets to cater employed populations and be responsible for appropriate disposal and maintenance.

10.4.3.2 Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment during the construction phase. Regular environmental audit on the construction site should be conducted in order to provide an effective control of any malpractices and achieve continual improvement of environmental performance on site.

10.4.4 Alteration of Watercourses

10.4.4.1 Prior to the proposed removal and diversion of the watercourses, it is recommended that a set of U-channel and temporary channel shall be constructed and implemented in advance. The watercourses should remain undisturbed during construction of the channel.

10.4.4.2 Furthermore, precaution measures shall be implemented to prevent adverse water quality impact to the surrounding environment during removal and diversion of watercourse. Good site practices as described in ETWB TC (Works) No. 5/2005 "Protection of natural streams / rivers from adverse impacts arising from construction works" and ProPECC PN 2/24

"Construction Site Drainage" should be adopted where applicable. The following major measures shall be implemented:

- Cofferdams and impermeable sheet piles should be installed as appropriate to isolate the water flow from the construction works area.
- Dewatering or flow diversion shall be conducted prior to the construction works to prevent water overflow to the surrounding area.
- Watercourse removal and flow diversion should be conducted in dry season as far as practicable when the water flow is low.
- Water drained from the watercourse shall be diverted to new/ temporary drainage for watercourse diversion. For watercourse removal, the water drained shall be collected and treated to meet the requirements of WPCO and TM-DSS before discharge.
- Any excavated land-based sediment from the removal/ diversion of watercourse shall be properly stored at bunded areas away from any watercourse and covered with tarpaulin before transporting out of the site.

10.4.4.3 With the implementation of mitigation measures and good site practices as mentioned above, adverse water quality impacts due to the alteration of these watercourses are not anticipated.

10.5 Operational Phase Impact

10.5.1.1 The Professional Persons Environmental Consultative Committee Practice Note 1/23 Drainage Plans subject to Comment by the Environmental Protection Department (ProPECC PN 1/23), also provides guidelines and practices for handling, treatment and disposal of various effluent discharges to stormwater drains and foul sewers. The design of site drainage and disposal of site effluents generated within the proposed development area should follow the relevant guidelines and practices as given in the ProPECC PN 1/23 and Drainage Services Department's Sewerage Manual (Part 2).

10.5.2 Runoff from the Development

10.5.2.1 The proposed development will lead to an increase in area of impermeable surfaces and hence the peak surface runoff rates. Besides, vehicle dust, tyre scraps and oils might be washed away from the road surface to the nearby water courses by surface runoff or road surface cleaning. Subject to detailed design and requirement of relevant government departments, the capacities of road drainage system shall cater the runoff from 50 year-return-period rainstorm. Proper drainage systems with silt traps and oil interceptors should be installed and connected to the existing drainage system. The design of road gullies with silt traps should be incorporated in the detailed design stage.

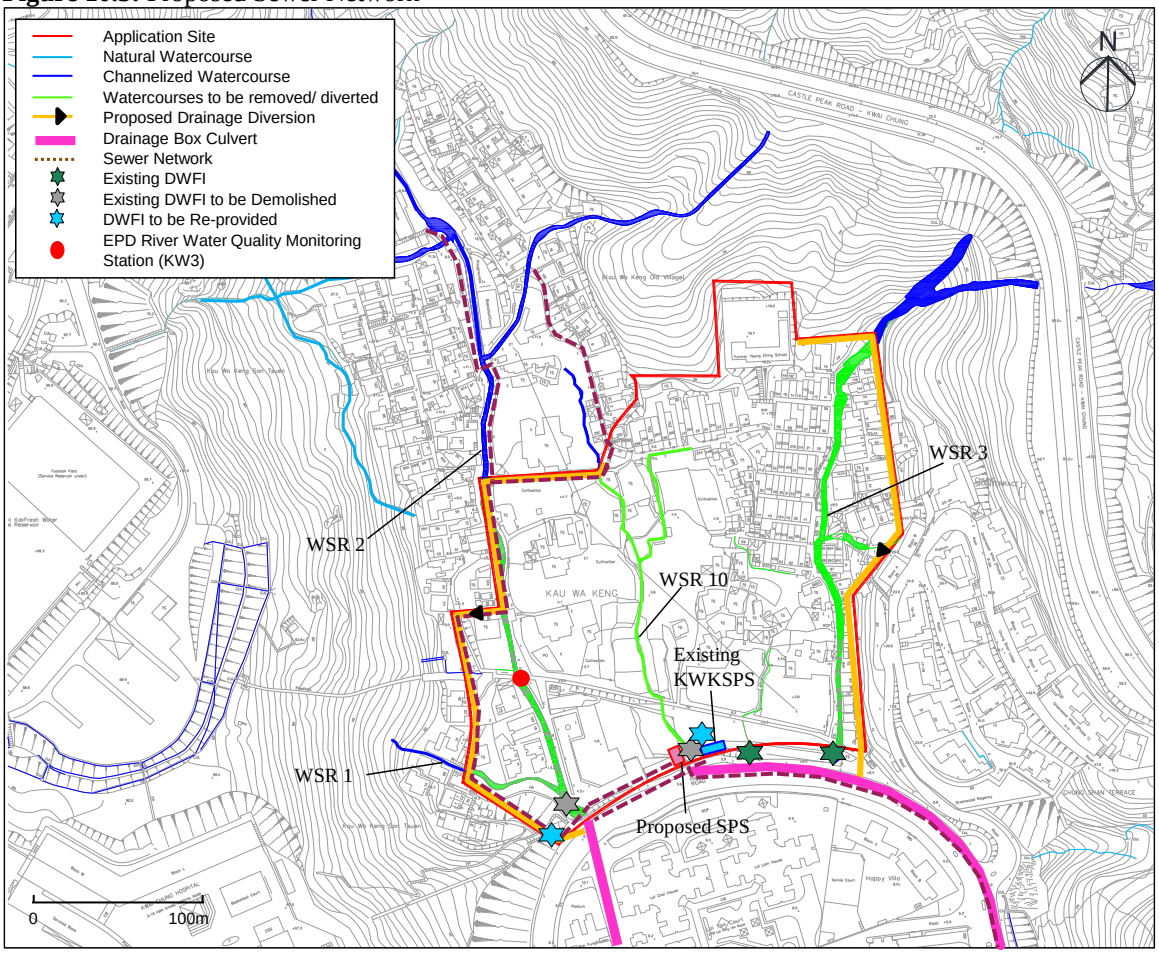
10.5.2.2 Runoff will be controlled by best management practice. Runoff will be intercepted by properly designed and managed silt traps at appropriate spacings so that common roadside debris, refuse and fallen leaves etc. can be captured before allowing the runoff to drain into

the drainage system. At the outlets to the drainage system, the Project Proponent or the delegated operation parties should manage the road/open area cleaning prior to the occurrence of a storm. Moreover, it is recommended each of the cleaning events should be carried out during low traffic flow period, preferably using either manual methods or mechanical means such as vacuum sweeper/truck equipped with side broom to sweep road sludge and debris into the suction nozzle to increase the removal efficiency of pollutants. The collected pollutants would be tankered away for off-site disposal at landfill sites. After the removal of the pollutants, the pollution levels from stormwater would be much reduced.

10.5.3 Sewage from the Development

10.5.3.1 Potential water quality impacts involving pollution by polluted dry weather flow may arise from the demolition of the two DWFIs and operation of the proposed SPS at the southern boundary of the Application Site. However, given that the DWFIs will be re-provided at the southwestern and southern boundary of the Application Site before the demolition of existing DWFIs and that the proposed development will be properly sewered, adverse water quality impact is not anticipated. A separate Sewerage Impact Assessment (SIA) has been conducted to assess the impact of sewage generation as a result of the proposed development. Mitigation measures have been recommended in the SIA including upgrading works of the existing sewers and re-provision of DWFI which will be carried out prior to or in parallel with the proposed sewerage diversion. Although the schedule of the proposed diversion works is not available at this stage, the proposed sewerage diversion will be carried out prior to sewer demolition works as confirmed in the SIA. The proposed sewer network is presented in **Figure 10.3**. The proposed sewerage diversion and sewer network is also extracted from the SIA and presented in **Appendix 10.2**. Details shall be referred to the separated SIA Report.

Figure 10.3: Proposed Sewer Network



10.5.3.2 The proposed SPS would collect sewage from the proposed development and pump the sewage to public sewers. No adverse water quality impact is anticipated during normal operations.

10.5.3.3 Under emergency situation (e.g. pump failure, electricity cut off, pipe bursting etc.) where overflow of the proposed SPS occurs, an emergency discharge will be connected to the nearest drainage manhole with avoidance of discharge to nearby WSRs. With the implementation of mitigation measures in below section, the chances of emergency discharge would be very remote, hence, potential water quality impact to the nearby WSRs would be minimised as far as practicable.

10.5.4 Recommended Mitigation Measures

10.5.4.1 The following precautionary measures are recommended to be incorporated into the future design of the proposed SPS to minimise the chances of emergency discharge as far as practicable:

- A standby pump will be provided to cater for breakdown and maintenance of the duty pump;

- A standby mechanical raked bar screen will be provided to the screen house of the proposed SPSs to cater for breakdown and maintenance of the screens;
- Bar screens will be installed in front of emergency overflow pipe at the proposed SPSs to ensure that the overflow sewage is screened by bar screen in the unlikely event of overflow;
- Backup power supply in the form of dual/ring circuit power supply by CLP will be provided to secure electrical power supply;
- Regular maintenance and checking of plant equipment to prevent equipment failure;
- Twin rising mains system will be provided to facilitate the maintenance works and to avoid emergency bypass of sewage;
- A telemetry system to the nearest manned station/plant will be provided so that swift action can be taken in case of malfunction of the unmanned facilities; and; and
- If all the above measures are exhausted, sewage will be tanked away to minimize the chance of emergency overflow.

11 Conclusion

11.1.1.1 An Environmental Assessment Study has been conducted to support the Application for Permission Under Section 16 of the Town Planning Ordinance (Cap. 131) for Proposed Comprehensive Development including Flats, Retail and Community Facilities and Minor Relaxation of Plot Ratio and Building Height Restriction in "Comprehensive Development Area" Zone at Various Lots in S.D.4 and Adjoining Government Land, Kau Wa Keng, Kwai Chung.

11.1.1.2 With the implementation of the recommended acoustic window (baffle type) and conventional acoustic balcony, all residential units will not be exposed to road traffic noise levels in excess of 70dB(A), as stipulated in the HKPSG. Adverse road traffic noise impact on the proposed development is not anticipated.

11.1.1.3 A number of fixed plants are identified at the Princess Margaret Hospital. Assessments indicated that the predicted noise level at all representative NSRs within the proposed development would comply with the respective noise criteria and hence no mitigation measures are required.

11.1.1.4 The current design scheme has allowed sufficient setback from the surrounding roads to meet the minimum requirement as stipulated in the HKPSG. Hence potential vehicular emission impact is not anticipated.

11.1.1.5 Based on the site surveys, only 3 chimneys with emission potential are identified within 500m of the Application Site. The identified chimneys are located at more than 200m away from the Site boundary which could well satisfy the setback distance requirements as stipulated in the HKPSG. Hence, adverse air quality impact due to chimney emission is not anticipated.

11.1.1.6 With the implementation of proper ventilation, deodourising and exhaust system, no adverse odourous impacts is anticipated from the proposed SPS, proposed refuse collection point and the temporary refuse collection point.

11.1.1.7 A preliminary land contamination site appraisal through desktop review and site survey has been conducted to review any past and existing land uses within and adjoining the Application Site. Aerial photos revealed that the historical land use of the Site is mainly vegetation zone and village houses. However, one open storage area and one rubbish dumping area has been identified as potentially contaminated sites. Site reappraisal of the potentially contaminated sites and re-appraisal of the area are recommended when the sites are resumed and accesses are available.

11.1.1.8 For waste management, adverse implications due to construction and operational phases are not anticipated provided good practices are in place.

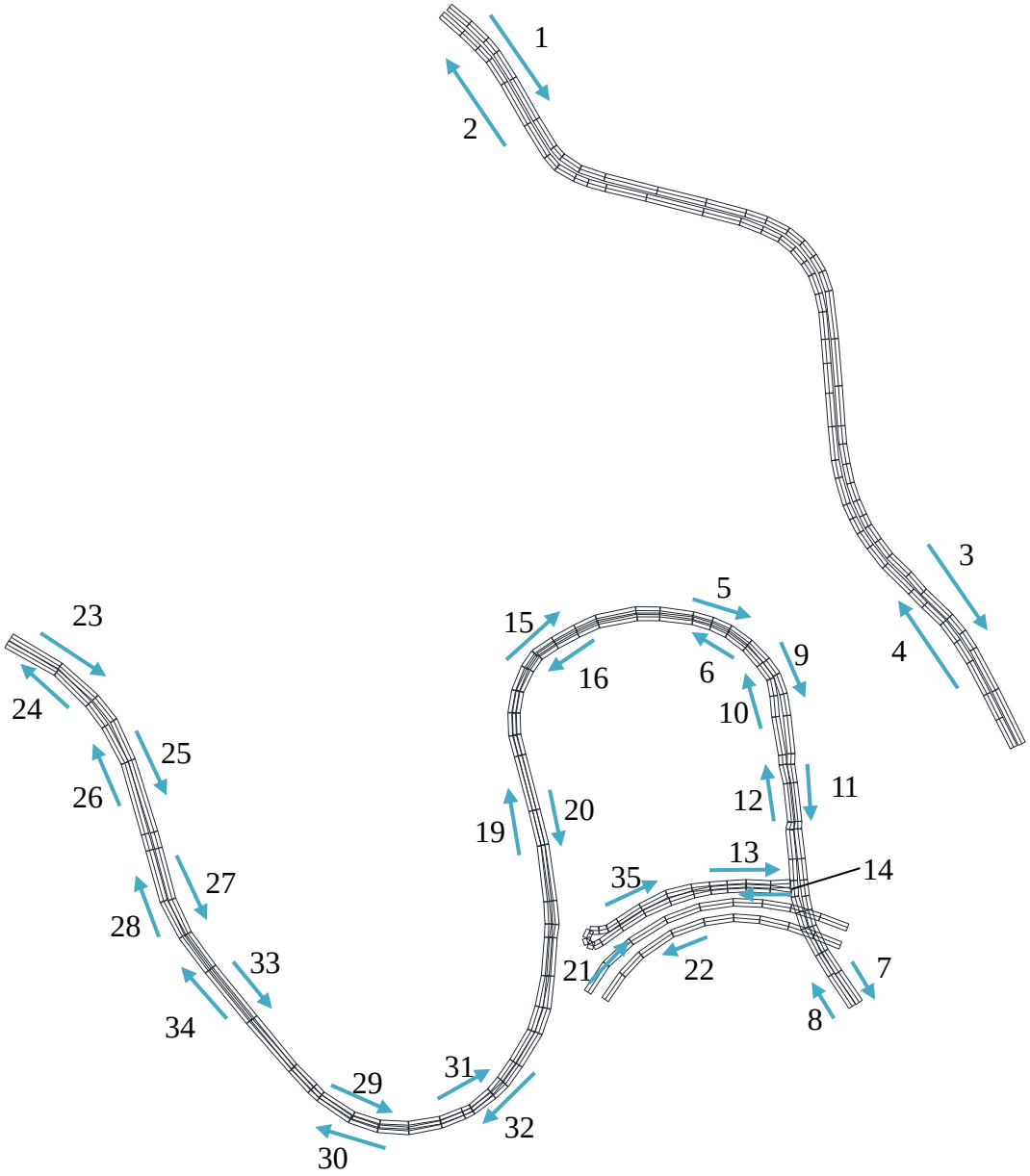
11.1.1.9 Potential water pollution sources have been identified and mitigation measures have been recommended to mitigate any potential water quality impacts during the construction phase. With the implementation of good site practices and mitigation measures, adverse water quality impacts are not anticipated. Operational impacts associated with runoff and sewage from the development would be insignificant with proper management practices in place. The proposed development will be properly sewered and adverse water quality impact is not anticipated.

11.1.1.10 It is concluded that there are no insurmountable environmental impacts on the proposed private residential development at the "Comprehensive Development Area" Zone to the north of Lai King Hill Road in Kau Wa Keng, Kwai Chung.

Appendix 4.1

Traffic Forecast for the
Assessment Year at 2047

Traffic ID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Index.	Design Speed	Road Links	Direction	Year 2047 (AM)	
				Flow (Veh/hr)	HV%
1	50	Castle Peak Road	SB	1330	32%
2	50	Castle Peak Road	NB	895	28%
3	50	Castle Peak Road	SB	1330	32%
4	50	Castle Peak Road	NB	895	28%
5	50	Lai King Hill Road	SB	480	26%
6	50	Lai King Hill Road	NB	280	26%
7	50	Lai Wan Road	SB	620	29%
8	50	Lai Wan Road	NB	385	29%
9	50	Lai King Hill Road	SB	560	25%
10	50	Lai King Hill Road	NB	330	25%
11	50	Lai King Hill Road	SB	555	25%
12	50	Lai King Hill Road	NB	330	25%
13	50	Lai King Path	EB	90	53%
14	50	Lai King Path	WB	80	53%
15	50	Lai King Hill Road	EB	510	22%
16	50	Lai King Hill Road	WB	430	22%
17	50	Access Road to Kau Wa Keng	SB	260	12%
18	50	Access Road to Kau Wa Keng	NB	145	12%
19	50	Lai King Hill Road	NB	535	21%
20	50	Lai King Hill Road	SB	565	21%
21	70	Ching Cheung Road	EB	3660	37%
22	70	Ching Cheung Road	WB	4030	34%
23	50	Lai King Hill Road	SB	600	23%
24	50	Lai King Hill Road	NB	825	23%
25	50	Lai King Hill Road	SB	840	18%
26	50	Lai King Hill Road	NB	770	18%
27	50	Lai King Hill Road	SB	595	20%
28	50	Lai King Hill Road	NB	610	20%
29	50	Lai King Hill Road	EB	550	21%
30	50	Lai King Hill Road	WB	580	21%
31	50	Lai King Hill Road	NB	535	21%
32	50	Lai King Hill Road	SB	565	21%
33	50	Lai King Hill Road	SB	595	20%
34	50	Lai King Hill Road	NB	610	20%
35	50	Lai King Path	EB	90	50%

Appendix 4.2

Predicted Road Traffic Noise Levels (Base Case - Scenario A)

Floor	R101a	R101b	R101c	R102a	R102b	R103a	R103b	R104a	R104b	R104c	R104d	R104e	R105a	R105b	R106a	R106b	R107a
39																	
38																	
37																	
36																	
35																	
34																	
33																	
32																	
31																	
30																	
29	60.5	60.5	61.1	61.4	63.0	63.5	63.4	65.4	65.0	65.0	63.3	62.0	61.5	61.4	61.4	61.1	61.0
28	60.5	60.5	61.1	61.4	63.0	63.5	63.4	65.5	65.1	65.1	63.4	62.1	61.6	61.5	61.4	61.2	61.1
27	60.4	60.5	61.1	61.4	63.0	63.6	63.5	65.5	65.2	65.2	63.5	62.2	61.7	61.6	61.5	61.3	61.2
26	60.4	60.4	61.1	61.4	63.1	63.6	63.6	65.6	65.3	65.3	63.6	62.3	61.8	61.7	61.6	61.4	61.3
25	60.3	60.4	61.0	61.4	63.1	63.7	63.6	65.7	65.4	65.4	63.7	62.4	61.9	61.8	61.7	61.4	61.3
24	60.3	60.3	61.0	61.3	63.1	63.7	63.7	65.8	65.5	65.5	63.8	62.5	62.0	61.9	61.8	61.5	61.4
23	60.2	60.2	60.9	61.3	63.1	63.8	63.7	65.9	65.6	65.6	63.9	62.6	62.1	62.0	61.9	61.6	61.5
22	60.1	60.1	60.9	61.2	63.1	63.8	63.8	66.0	65.7	65.7	64.0	62.7	62.2	62.1	62.0	61.7	61.6
21	60.0	60.0	60.8	61.2	63.1	63.9	63.8	66.1	65.8	65.8	64.2	62.8	62.3	62.2	62.1	61.8	61.7
20	59.8	59.9	60.7	61.1	63.1	63.9	63.9	66.2	65.9	65.9	64.3	62.9	62.4	62.3	62.2	61.9	61.8
19	59.7	59.7	60.6	61.0	63.0	63.9	64.0	66.3	66.0	66.1	64.4	63.0	62.5	62.4	62.3	62.0	61.9
18	59.5	59.6	60.4	60.9	63.0	64.0	64.0	66.4	66.2	66.2	64.5	63.1	62.6	62.5	62.4	62.1	62.0
17	59.3	59.4	60.3	60.8	63.0	64.0	64.0	66.5	66.3	66.3	64.6	63.2	62.7	62.6	62.5	62.2	62.0
16	59.1	59.1	60.1	60.6	63.0	64.0	64.1	66.6	66.4	66.4	64.7	63.4	62.8	62.7	62.6	62.2	62.1
15	58.8	58.9	59.9	60.5	62.9	64.1	64.2	66.8	66.5	66.5	64.9	63.5	62.9	62.8	62.7	62.4	62.2
14	58.5	58.6	59.7	60.3	62.9	64.1	64.2	66.9	66.6	66.7	65.0	63.6	63.1	62.9	62.8	62.4	62.3
13	58.2	58.3	59.5	60.1	62.8	64.1	64.3	67.0	66.8	66.8	65.2	63.7	63.2	63.0	62.9	62.5	62.4
12	57.9	58.0	59.3	59.9	62.8	64.1	64.3	67.1	66.9	66.9	65.3	63.8	63.3	63.1	63.0	62.6	62.5
11	57.6	57.6	58.9	59.7	62.7	64.2	64.4	67.3	67.1	67.0	65.4	64.0	63.4	63.2	63.1	62.8	62.6
10	57.2	57.2	58.6	59.5	62.7	64.2	64.5	67.4	67.2	67.2	65.6	64.1	63.6	63.4	63.2	62.9	62.7
9	56.8	56.8	58.2	59.2	62.6	64.3	64.6	67.5	67.3	67.3	65.7	64.2	63.7	63.5	63.3	63.0	62.8
8	56.4	56.5	57.8	58.9	62.5	64.4	64.6	67.7	67.5	67.5	65.8	64.4	63.8	63.6	63.5	63.1	62.9
7	56.0	56.0	57.5	58.6	62.4	64.4	64.7	67.8	67.7	67.6	66.0	64.5	64.0	63.7	63.6	63.2	63.0
6	55.6	55.7	57.2	58.3	62.2	64.4	64.8	68.0	67.8	67.8	66.1	64.6	64.1	63.8	63.7	63.3	63.1
5	55.3	55.3	56.8	58.1	62.0	64.4	64.8	68.1	68.0	67.9	66.3	64.8	64.2	63.9	63.8	63.4	63.2
4	54.9	55.0	56.4	57.8	61.8	64.3	64.8	68.2	68.1	68.1	66.4	64.9	64.3	64.0	63.9	63.4	63.1
3	54.6	54.6	55.9	57.4	61.5	64.0	64.7	68.4	68.3	68.2	66.6	65.0	64.3	64.0	63.8	63.3	63.0
2	54.2	54.3	55.5	57.0	61.4	63.4	64.0	68.5	68.4	68.4	66.6	64.8	64.1	63.7	63.6	63.2	63.0
1	54.0	54.0	54.9	56.6	61.3	63.1	63.5	68.4	68.1	68.0	65.6	64.2	63.7	63.5	63.4	62.9	62.7
Max	60.5	60.5	61.1	61.4	63.1	64.4	64.8	68.5	68.4	68.4	66.6	65.0	64.3	64.0	63.9	63.4	63.2
Min	54.0	54.0	54.9	56.6	61.3	63.1	63.4	65.4	65.0	65.0	63.3	62.0	61.5	61.4	61.4	61.1	61.0

Total Flats	3457
Exceedance	0
Compliance Rate	100.0%

Floor	R107b	R108a	R108b	R109a	R109b	R109c	R109d	R201a	R202a	R202b	R202c	R203a	R203b	R203c	R204a	R204b	R204c
39																	
38																	
37						60.9	59.9	61.0	60.7	60.8	61.7	61.2	60.7	60.3	60.3	60.0	59.5
36						61.0	59.8	61.0	60.7	60.8	61.7	61.2	60.7	60.3	60.3	60.0	59.5
35						61.0	59.8	61.0	60.7	60.8	61.6	61.2	60.7	60.3	60.2	59.9	59.5
34						61.1	59.8	61.0	60.7	60.7	61.6	61.2	60.7	60.3	60.2	60.0	59.5
33						61.1	59.8	61.0	60.7	60.7	61.6	61.2	60.7	60.3	60.2	59.9	59.5
32						61.2	59.8	60.9	60.7	60.7	61.6	61.1	60.6	60.2	60.2	59.9	59.4
31						61.2	59.8	60.9	60.6	60.7	61.6	61.1	60.6	60.2	60.1	59.9	59.4
30						61.3	59.8	60.9	60.6	60.7	61.5	61.1	60.6	60.2	60.1	59.8	59.3
29	61.2	61.2	61.1	61.3	61.4	61.3	59.7	60.8	60.6	60.6	61.5	61.0	60.5	60.1	60.1	59.8	59.3
28	61.2	61.3	61.1	61.3	61.4	61.4	59.7	60.8	60.5	60.6	61.5	61.0	60.5	60.1	60.0	59.8	59.3
27	61.3	61.3	61.2	61.4	61.5	61.4	59.7	60.7	60.5	60.5	61.4	60.9	60.4	60.0	60.0	59.7	59.2
26	61.4	61.4	61.3	61.5	61.5	61.5	59.6	60.6	60.4	60.5	61.3	60.9	60.4	59.9	59.9	59.6	59.2
25	61.5	61.5	61.3	61.5	61.6	61.5	59.6	60.6	60.3	60.4	61.2	60.8	60.3	59.9	59.8	59.5	59.1
24	61.5	61.5	61.4	61.6	61.6	61.6	59.5	60.5	60.2	60.3	61.2	60.7	60.2	59.8	59.7	59.4	59.0
23	61.6	61.6	61.5	61.6	61.7	61.6	59.4	60.4	60.1	60.2	61.1	60.6	60.1	59.7	59.6	59.3	58.9
22	61.7	61.7	61.5	61.7	61.7	61.6	59.3	60.3	60.0	60.1	60.9	60.4	60.0	59.5	59.5	59.2	58.8
21	61.8	61.7	61.6	61.7	61.7	61.7	59.2	60.1	59.9	59.9	60.8	60.3	59.8	59.4	59.4	59.1	58.7
20	61.8	61.8	61.6	61.8	61.8	61.7	59.1	60.0	59.7	59.8	60.7	60.2	59.7	59.2	59.2	58.9	58.5
19	61.9	61.8	61.7	61.8	61.8	61.7	58.9	59.8	59.5	59.6	60.5	59.9	59.5	59.0	59.0	58.8	58.4
18	62.0	61.9	61.8	61.8	61.8	61.8	58.7	59.6	59.3	59.4	60.3	59.7	59.2	58.8	58.8	58.5	58.2
17	62.0	62.0	61.8	61.9	61.8	61.8	58.5	59.4	59.1	59.2	60.1	59.5	59.0	58.5	58.6	58.3	58.0
16	62.1	62.0	61.9	61.9	61.9	61.8	58.3	59.2	58.9	59.0	59.9	59.3	58.8	58.3	58.3	58.1	57.7
15	62.2	62.1	61.9	61.9	61.9	61.8	58.0	59.0	58.7	58.8	59.6	59.0	58.5	58.1	58.1	57.8	57.4
14	62.2	62.2	62.0	62.0	61.9	61.9	57.7	58.7	58.5	58.5	59.4	58.7	58.3	57.8	57.8	57.5	57.2
13	62.3	62.2	62.1	62.1	62.0	61.9	57.5	58.5	58.2	58.3	59.1	58.4	58.0	57.5	57.5	57.2	56.9
12	62.4	62.3	62.1	62.1	62.0	62.0	57.1	58.3	58.0	58.1	58.9	58.1	57.7	57.2	57.2	56.9	56.6
11	62.5	62.4	62.2	62.2	62.1	62.0	56.8	58.1	57.8	57.8	58.6	57.8	57.4	56.9	56.8	56.5	56.3
10	62.6	62.5	62.3	62.2	62.1	62.0	56.4	57.8	57.5	57.6	58.3	57.4	57.0	56.5	56.4	56.1	55.9
9	62.7	62.6	62.4	62.3	62.2	62.1	56.0	57.5	57.2	57.3	58.0	57.1	56.6	56.2	56.1	55.8	55.5
8	62.8	62.6	62.4	62.4	62.2	62.1	55.6	57.3	57.0	57.0	57.7	56.7	56.3	55.9	55.8	55.5	55.2
7	62.9	62.7	62.5	62.4	62.3	62.2	55.2	57.0	56.7	56.8	57.4	56.4	56.1	55.6	55.5	55.2	54.9
6	62.9	62.8	62.6	62.4	62.3	62.1	54.9	56.8	56.5	56.6	57.2	56.2	55.8	55.4	55.2	54.9	54.6
5	63.0	62.8	62.5	62.4	62.3	62.1	54.5	56.6	56.3	56.4	56.9	55.8	55.4	55.0	54.9	54.5	54.2
4	62.9	62.8	62.5	62.4	62.3	62.1	54.2	56.4	56.1	56.2	56.7	55.4	55.1	54.7	54.5	54.2	53.9
3	62.9	62.7	62.5	62.4	62.3	62.1	53.8	56.2	55.9	56.0	56.4	55.1	54.7	54.3	54.1	53.8	53.5
2	62.9	62.7	62.5	62.4	62.2	62.0	53.5	56.0	55.7	55.8	56.2	54.8	54.4	54.0	53.8	53.4	53.2
1	62.6	62.4	62.0	61.9	61.7	61.5	53.2	55.9	55.5	55.6	55.9	54.5	54.1	53.7	53.4	53.1	52.8
Max	63.0	62.8	62.6	62.4	62.3	62.2	59.7	61.0	60.7	60.8	61.7	61.2	60.7	60.3	60.3	60.0	59.5
Min	61.2	61.2	61.1	61.3	61.4	61.3	53.2	55.9	55.5	55.6	55.9	54.5	54.1	53.7	53.4	53.1	52.8

Floor	R205a	R205b	R206a	R206b	R206c	R207a	R207b	R207c	R208a	R208b	R208c	R208d	R209a	R209b	R209c	R210a	R210b
39																	
38																	
37	59.0	58.3	57.8	60.0	61.6	62.6	61.9	61.9	61.9	62.0	62.0	62.0	62.3	62.3	62.5	62.6	62.6
36	59.0	58.3	57.7	59.9	61.6	62.7	61.9	62.0	62.0	62.0	62.0	62.1	62.3	62.3	62.6	62.7	62.7
35	58.9	58.3	57.7	59.9	61.7	62.7	62.0	62.0	62.0	62.1	62.0	62.1	62.3	62.4	62.6	62.7	62.7
34	58.9	58.2	57.7	59.9	61.7	62.8	62.0	62.1	62.1	62.1	62.1	62.1	62.4	62.4	62.6	62.7	62.8
33	58.9	58.2	57.6	59.9	61.7	62.8	62.1	62.1	62.1	62.2	62.1	62.2	62.4	62.5	62.6	62.8	62.8
32	58.9	58.2	57.6	59.9	61.7	62.8	62.1	62.2	62.2	62.2	62.2	62.2	62.4	62.5	62.7	62.8	62.8
31	58.8	58.2	57.5	59.9	61.7	62.9	62.2	62.2	62.2	62.3	62.2	62.3	62.5	62.5	62.7	62.8	62.9
30	58.8	58.2	57.5	59.8	61.7	62.9	62.2	62.2	62.2	62.3	62.3	62.3	62.5	62.6	62.8	62.9	62.9
29	58.8	58.1	57.5	59.8	61.7	62.9	62.2	62.3	62.3	62.4	62.3	62.3	62.6	62.6	62.8	62.9	63.0
28	58.7	58.1	57.5	59.8	61.8	62.9	62.3	62.3	62.3	62.4	62.4	62.4	62.6	62.7	62.9	63.0	63.0
27	58.7	58.0	57.4	59.7	61.8	62.9	62.3	62.3	62.4	62.4	62.4	62.4	62.6	62.7	62.9	63.0	63.1
26	58.6	58.0	57.4	59.7	61.8	63.0	62.4	62.4	62.4	62.5	62.5	62.5	62.7	62.7	63.0	63.1	63.1
25	58.6	57.9	57.3	59.7	61.8	63.0	62.4	62.4	62.4	62.5	62.5	62.5	62.7	62.8	63.0	63.1	63.2
24	58.5	57.8	57.2	59.6	61.8	63.1	62.5	62.5	62.5	62.6	62.6	62.6	62.8	62.8	63.0	63.2	63.2
23	58.4	57.7	57.2	59.5	61.8	63.1	62.5	62.5	62.5	62.6	62.6	62.6	62.8	62.9	63.1	63.2	63.3
22	58.3	57.7	57.1	59.5	61.8	63.1	62.5	62.6	62.6	62.6	62.6	62.7	62.9	62.9	63.2	63.3	63.4
21	58.2	57.6	57.0	59.4	61.7	63.1	62.6	62.6	62.6	62.7	62.7	62.7	62.9	63.0	63.2	63.4	63.4
20	58.1	57.5	56.8	59.3	61.7	63.2	62.6	62.7	62.7	62.8	62.7	62.8	63.0	63.1	63.3	63.4	63.5
19	57.9	57.3	56.7	59.2	61.7	63.2	62.7	62.7	62.7	62.8	62.8	62.8	63.0	63.1	63.3	63.5	63.6
18	57.7	57.2	56.6	59.1	61.7	63.2	62.7	62.8	62.8	62.8	62.8	62.9	63.1	63.2	63.4	63.6	63.7
17	57.6	57.0	56.5	58.9	61.6	63.2	62.8	62.8	62.8	62.9	62.9	62.9	63.2	63.3	63.5	63.6	63.8
16	57.3	56.8	56.2	58.7	61.6	63.2	62.8	62.9	62.9	63.0	62.9	63.0	63.2	63.3	63.5	63.7	63.8
15	57.1	56.6	56.0	58.5	61.5	63.3	62.9	62.9	62.9	63.0	63.0	63.0	63.3	63.4	63.6	63.8	63.9
14	56.9	56.4	55.8	58.3	61.4	63.3	62.9	62.9	62.9	63.0	63.0	63.1	63.3	63.5	63.7	63.8	64.0
13	56.6	56.1	55.6	58.0	61.3	63.3	62.9	63.0	63.0	63.1	63.1	63.1	63.4	63.5	63.7	63.9	64.1
12	56.3	55.8	55.3	57.8	61.2	63.3	62.9	63.0	63.0	63.1	63.1	63.1	63.4	63.6	63.8	64.0	64.1
11	56.0	55.5	55.0	57.6	61.1	63.3	63.0	63.0	63.0	63.1	63.1	63.2	63.5	63.6	63.8	64.0	64.2
10	55.6	55.2	54.7	57.3	61.0	63.2	63.0	63.0	63.0	63.1	63.1	63.1	63.4	63.7	63.9	64.1	64.3
9	55.3	54.9	54.4	57.0	60.8	63.2	62.9	63.0	63.0	63.1	63.1	63.1	63.5	63.7	63.9	64.1	64.3
8	55.0	54.7	54.1	56.8	60.7	63.2	62.9	63.0	63.0	63.1	63.0	63.1	63.4	63.6	63.9	64.1	64.4
7	54.7	54.4	53.8	56.5	60.7	63.1	62.9	63.0	63.0	63.1	63.0	63.1	63.4	63.6	63.8	64.1	64.3
6	54.4	54.1	53.5	56.3	60.6	63.1	62.9	63.0	63.0	63.1	63.1	63.1	63.4	63.6	63.8	64.0	64.3
5	54.0	53.6	53.1	56.0	60.5	63.1	63.0	63.0	63.0	63.1	63.1	63.1	63.4	63.6	63.8	64.0	64.3
4	53.6	53.2	52.7	55.7	60.4	63.1	63.0	63.0	63.0	63.1	63.1	63.1	63.4	63.6	63.8	64.0	64.3
3	53.2	52.9	52.3	55.5	60.4	63.2	63.0	63.1	63.0	63.1	63.1	63.2	63.5	63.7	63.8	64.0	64.3
2	52.9	52.5	51.9	55.2	60.4	63.2	63.1	63.1	63.1	63.2	63.1	63.2	63.5	63.7	63.9	64.1	64.3
1	52.5	52.2	51.6	55.0	60.3	63.2	63.1	63.1	63.1	63.2	63.2	63.2	63.5	63.7	63.9	64.1	64.3
Max	59.0	58.3	57.8	60.0	61.8	63.3	63.1	63.1	63.1	63.2	63.2	63.2	63.5	63.7	63.9	64.1	64.4
Min	52.5	52.2	51.6	55.0	60.3	62.6	61.9	61.9	61.9	62.0	62.0	62.0	62.3	62.3	62.5	62.6	62.6

Floor	R210c	R211a	R211b	R212a	R212b	R213a	R213b	R214a	R215a	R216a	R216b	R217a	R217b	R218a	R218b	R218c	R301a
39																	60.4
38																	60.4
37	62.8	55.9	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	51.9	54.2	54.9	55.9	60.4
36	62.8	56.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	51.9	54.3	55.0	55.9	60.4
35	62.9	56.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	52.0	54.4	55.1	56.0	60.3
34	62.9	56.1	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	52.1	54.5	55.1	56.0	60.3
33	63.0	56.2	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	52.1	54.5	55.2	56.1	60.2
32	63.0	56.3	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	52.2	54.6	55.3	56.1	60.1
31	63.0	56.4	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.3	54.7	55.4	56.2	60.0
30	63.1	56.4	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.3	54.8	55.5	56.3	59.9
29	63.2	56.5	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.4	54.8	55.5	56.3	59.7
28	63.2	56.6	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.5	54.9	55.6	56.4	59.6
27	63.2	56.7	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.6	55.0	55.7	56.5	59.4
26	63.3	56.8	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.7	55.1	55.8	56.6	59.2
25	63.4	56.9	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	52.7	55.2	55.9	56.7	58.9
24	63.5	57.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	52.8	55.2	55.9	56.7	58.6
23	63.5	57.1	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	52.9	55.3	56.0	56.8	58.3
22	63.6	57.2	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	53.0	55.4	56.1	56.9	58.0
21	63.7	57.2	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	53.1	55.5	56.2	57.0	57.7
20	63.7	57.3	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	53.2	55.6	56.3	57.1	57.3
19	63.8	57.5	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.3	55.7	56.4	57.2	57.0
18	63.9	57.6	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.4	55.8	56.5	57.2	56.6
17	64.0	57.7	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.5	55.9	56.6	57.3	56.3
16	64.1	57.8	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.6	56.0	56.6	57.4	55.9
15	64.2	57.9	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.7	56.1	56.8	57.5	55.5
14	64.3	58.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.8	56.2	56.8	57.6	55.1
13	64.3	58.1	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.9	56.3	56.9	57.7	54.8
12	64.4	58.2	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	54.0	56.4	57.0	57.8	54.5
11	64.5	58.3	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.1	56.5	57.1	57.8	54.2
10	64.6	58.5	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.2	56.6	57.2	58.0	54.0
9	64.7	58.6	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.3	56.7	57.3	58.0	53.7
8	64.7	58.7	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.5	56.8	57.4	58.1	53.5
7	64.8	58.8	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.6	56.9	57.5	58.2	53.2
6	64.7	59.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.7	57.1	57.6	58.3	52.9
5	64.7	59.1	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.9	57.1	57.7	58.4	52.6
4	64.6	59.2	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	55.0	57.2	57.8	58.5	52.2
3	64.6	59.3	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	55.1	57.3	57.9	58.5	51.9
2	64.6	59.4	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	55.2	57.4	58.0	58.6	51.6
1	64.6	59.5	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	55.4	57.5	58.0	58.7	51.4
Max	64.8	59.5	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	55.4	57.5	58.0	58.7	60.4
Min	62.8	55.9	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	51.9	54.2	54.9	55.9	51.4

Floor	R301b	R301c	R301d	R301e	R301f	R302a	R302b	R303a	R303b	R304a	R304b	R305a	R305b	R306a	R306b	R306c	R306d
39	63.4	63.5	63.5	63.4	61.7	63.0	62.9	62.9	62.9	62.9	62.9	62.7	62.7	58.9	62.6	50.1	54.1
38	63.4	63.5	63.5	63.4	61.7	63.0	62.9	62.9	62.9	62.9	62.8	62.7	62.6	58.8	62.5	50.1	54.1
37	63.4	63.5	63.4	63.4	61.6	63.0	62.8	62.9	62.9	62.8	62.8	62.6	62.6	58.8	62.5	50.1	54.1
36	63.3	63.4	63.4	63.3	61.6	62.9	62.8	62.8	62.8	62.8	62.8	62.6	62.5	58.7	62.4	50.1	54.1
35	63.3	63.3	63.3	63.2	61.5	62.9	62.7	62.8	62.8	62.7	62.7	62.6	62.5	58.7	62.4	50.0	54.2
34	63.2	63.3	63.3	63.2	61.5	62.8	62.6	62.7	62.7	62.6	62.6	62.5	62.4	58.6	62.3	50.0	54.2
33	63.1	63.2	63.2	63.1	61.4	62.7	62.6	62.6	62.6	62.6	62.5	62.4	62.3	58.5	62.3	50.0	54.2
32	63.0	63.1	63.1	63.0	61.3	62.6	62.5	62.6	62.5	62.5	62.4	62.3	62.3	58.4	62.2	49.9	54.3
31	62.9	63.0	63.0	62.9	61.2	62.5	62.4	62.4	62.4	62.4	62.3	62.2	62.2	58.3	62.1	49.9	54.3
30	62.8	62.9	62.9	62.8	61.1	62.4	62.3	62.3	62.3	62.3	62.2	62.1	62.0	58.2	62.0	49.8	54.3
29	62.6	62.8	62.7	62.6	60.9	62.3	62.1	62.2	62.2	62.1	62.1	61.9	61.9	58.0	61.8	49.8	54.3
28	62.5	62.6	62.6	62.5	60.7	62.1	62.0	62.0	62.0	62.0	61.9	61.8	61.7	57.8	61.7	49.7	54.3
27	62.3	62.4	62.4	62.3	60.6	61.9	61.8	61.8	61.8	61.8	61.8	61.6	61.6	57.7	61.5	49.7	54.4
26	62.1	62.2	62.2	62.1	60.4	61.7	61.6	61.6	61.6	61.6	61.6	61.4	61.4	57.5	61.3	49.6	54.4
25	61.8	61.9	61.9	61.8	60.1	61.4	61.3	61.4	61.4	61.3	61.3	61.2	61.1	57.3	61.1	49.5	54.4
24	61.5	61.6	61.6	61.5	59.9	61.2	61.0	61.1	61.1	61.1	61.0	60.9	60.9	57.0	60.8	49.4	54.4
23	61.2	61.3	61.3	61.2	59.6	60.8	60.7	60.8	60.8	60.8	60.7	60.6	60.6	56.7	60.6	49.3	54.4
22	60.9	61.0	61.0	60.9	59.3	60.6	60.4	60.5	60.5	60.5	60.5	60.3	60.3	56.5	60.3	49.2	54.4
21	60.6	60.7	60.7	60.6	59.1	60.3	60.1	60.2	60.2	60.2	60.2	60.0	60.0	56.3	60.0	49.1	54.4
20	60.3	60.4	60.4	60.3	58.8	60.0	59.9	60.0	60.0	59.9	59.9	59.8	59.7	56.0	59.8	48.9	54.5
19	60.0	60.1	60.1	60.0	58.5	59.7	59.5	59.6	59.6	59.6	59.6	59.5	59.4	55.8	59.5	48.7	54.4
18	59.6	59.7	59.7	59.6	58.2	59.3	59.2	59.3	59.3	59.3	59.3	59.1	59.1	55.4	59.2	48.6	54.5
17	59.3	59.4	59.4	59.3	57.9	59.0	58.9	58.9	59.0	58.9	59.0	58.8	58.8	55.1	58.9	48.3	54.5
16	58.9	59.0	59.0	58.9	57.6	58.6	58.5	58.6	58.6	58.6	58.6	58.5	58.4	54.9	58.5	48.1	54.5
15	58.5	58.6	58.6	58.5	57.2	58.2	58.1	58.2	58.2	58.2	58.2	58.1	58.1	54.5	58.2	47.9	54.5
14	58.1	58.2	58.2	58.1	56.8	57.8	57.7	57.8	57.9	57.9	57.8	57.7	57.7	54.2	57.8	47.6	54.5
13	57.8	57.9	57.9	57.8	56.5	57.5	57.4	57.5	57.5	57.5	57.5	57.4	57.4	53.9	57.5	47.4	54.5
12	57.5	57.7	57.6	57.6	56.3	57.2	57.1	57.2	57.3	57.2	57.2	57.1	57.1	53.6	57.2	47.1	54.6
11	57.3	57.4	57.3	57.3	56.0	56.9	56.9	57.0	57.0	57.0	57.0	56.9	56.9	53.4	57.0	46.9	54.6
10	57.1	57.2	57.1	57.1	55.8	56.8	56.7	56.8	56.8	56.8	56.7	56.6	56.6	53.1	56.7	46.6	54.6
9	56.9	57.0	56.9	56.9	55.7	56.6	56.5	56.6	56.6	56.6	56.6	56.4	56.4	53.0	56.5	46.3	54.7
8	56.7	56.8	56.8	56.8	55.6	56.5	56.4	56.4	56.4	56.4	56.4	56.2	56.2	52.9	56.3	46.0	54.7
7	56.4	56.4	56.5	56.4	55.3	56.2	56.1	56.2	56.3	56.3	56.3	56.1	56.1	52.9	56.2	45.8	54.7
6	56.1	56.1	56.1	56.1	54.9	55.8	55.8	55.9	55.9	55.9	56.0	55.8	55.9	52.6	56.0	45.6	54.6
5	55.7	55.7	55.7	55.7	54.6	55.5	55.4	55.6	55.6	55.6	55.7	55.5	55.5	52.2	55.7	45.5	53.9
4	55.4	55.4	55.4	55.4	54.3	55.1	55.1	55.2	55.2	55.3	55.3	55.2	55.2	51.9	55.3	45.2	51.2
3	55.0	55.1	55.1	55.1	54.0	54.8	54.8	54.9	54.9	55.0	55.0	54.8	54.9	51.6	55.0	45.0	47.7
2	54.8	54.9	54.8	54.8	53.7	54.6	54.5	54.6	54.7	54.7	54.7	54.5	54.6	51.3	54.8	44.9	45.6
1	54.5	54.6	54.6	54.6	53.5	54.3	54.2	54.3	54.4	54.4	54.4	54.3	54.3	51.0	54.5	44.8	45.0
Max	63.4	63.5	63.5	63.4	61.7	63.0	62.9	62.9	62.9	62.9	62.9	62.7	62.7	58.9	62.6	50.1	54.7
Min	54.5	54.6	54.6	54.6	53.5	54.3	54.2	54.3	54.4	54.4	54.4	54.3	54.3	51.0	54.5	44.8	45.0

Floor	R306e	R307a	R307b	R307c	R307d	R307e	R308a	R308b	R401a	R401b	R402a	R402b	R402c	R403a	R403b	R403c	R403d
39	54.1	53.9	54.7	54.7	54.8	55.6	59.6	61.7	62.4	62.4	64.9	67.1	67.2	67.3	68.3	68.3	67.6
38	54.1	54.0	54.8	54.8	54.8	55.6	59.6	61.6	62.4	62.4	64.9	67.1	67.2	67.3	68.3	68.3	67.6
37	54.2	54.1	54.9	54.8	54.9	55.7	59.6	61.6	62.4	62.4	64.9	67.1	67.2	67.3	68.3	68.3	67.6
36	54.3	54.1	54.9	54.9	54.9	55.7	59.5	61.6	62.4	62.4	64.9	67.1	67.2	67.3	68.3	68.3	67.6
35	54.3	54.2	55.0	54.9	55.0	55.8	59.5	61.5	62.4	62.4	64.9	67.1	67.2	67.3	68.3	68.3	67.6
34	54.4	54.3	55.1	55.0	55.1	55.8	59.4	61.4	62.4	62.4	64.9	67.1	67.1	67.3	68.2	68.3	67.5
33	54.5	54.3	55.1	55.1	55.2	55.8	59.4	61.3	62.4	62.4	64.9	67.1	67.1	67.3	68.2	68.3	67.5
32	54.5	54.4	55.2	55.2	55.2	55.9	59.3	61.2	62.4	62.4	64.8	67.0	67.1	67.2	68.2	68.2	67.5
31	54.6	54.5	55.3	55.2	55.3	56.0	59.2	61.1	62.4	62.4	64.8	67.0	67.0	67.2	68.2	68.2	67.4
30	54.7	54.6	55.3	55.3	55.3	56.0	59.1	61.0	62.3	62.3	64.7	66.9	67.0	67.1	68.1	68.2	67.4
29	54.8	54.6	55.4	55.4	55.4	56.1	58.9	60.9	62.2	62.3	64.7	66.9	66.9	67.1	68.1	68.1	67.4
28	54.8	54.7	55.5	55.4	55.5	56.1	58.8	60.7	62.2	62.2	64.6	66.8	66.8	67.0	68.0	68.1	67.3
27	54.9	54.8	55.5	55.5	55.5	56.2	58.6	60.5	62.1	62.1	64.5	66.7	66.7	66.9	67.9	68.0	67.2
26	55.0	54.9	55.6	55.6	55.6	56.2	58.4	60.3	62.0	62.0	64.3	66.5	66.6	66.8	67.8	67.9	67.1
25	55.1	54.9	55.7	55.7	55.7	56.3	58.1	60.0	61.9	61.9	64.2	66.4	66.5	66.7	67.7	67.8	67.0
24	55.2	55.0	55.7	55.7	55.7	56.3	57.8	59.7	61.7	61.7	64.0	66.2	66.3	66.5	67.6	67.6	66.9
23	55.2	55.1	55.8	55.8	55.8	56.3	57.5	59.4	61.4	61.5	63.7	66.0	66.1	66.3	67.4	67.5	66.7
22	55.3	55.2	55.9	55.9	55.9	56.4	57.2	59.1	61.2	61.2	63.5	65.8	65.9	66.0	67.2	67.2	66.5
21	55.4	55.3	56.0	55.9	56.0	56.5	56.9	58.8	60.9	60.9	63.1	65.5	65.6	65.8	66.9	67.0	66.3
20	55.5	55.3	56.1	56.0	56.0	56.5	56.5	58.5	60.5	60.5	62.8	65.2	65.2	65.5	66.6	66.7	66.0
19	55.6	55.4	56.1	56.1	56.1	56.5	56.2	58.1	60.2	60.2	62.4	64.8	64.9	65.1	66.3	66.3	65.7
18	55.6	55.5	56.2	56.2	56.2	56.6	55.9	57.8	59.9	59.9	62.1	64.5	64.5	64.7	65.9	66.0	65.4
17	55.7	55.6	56.3	56.2	56.2	56.6	55.5	57.4	59.5	59.5	61.7	64.1	64.1	64.3	65.4	65.5	65.0
16	55.8	55.7	56.4	56.3	56.3	56.7	55.2	57.1	59.1	59.1	61.3	63.6	63.7	63.9	65.0	65.1	64.6
15	55.9	55.7	56.4	56.4	56.4	56.7	54.8	56.7	58.8	58.7	61.0	63.2	63.2	63.5	64.5	64.6	64.2
14	55.9	55.8	56.5	56.5	56.5	56.8	54.4	56.3	58.5	58.4	60.6	62.8	62.8	63.0	64.1	64.2	63.7
13	56.0	55.9	56.6	56.5	56.5	56.8	54.0	56.0	58.2	58.1	60.2	62.4	62.4	62.6	63.7	63.7	63.3
12	56.1	56.0	56.6	56.6	56.6	56.9	53.7	55.7	57.9	57.8	59.9	61.9	62.0	62.2	63.2	63.3	62.9
11	56.2	56.1	56.7	56.7	56.7	56.9	53.4	55.4	57.7	57.6	59.7	61.5	61.6	61.7	62.8	62.8	62.4
10	56.3	56.1	56.8	56.7	56.7	57.0	53.2	55.3	57.4	57.4	59.4	61.1	61.2	61.3	62.4	62.4	62.0
9	56.3	56.2	56.8	56.8	56.8	57.0	52.9	55.0	57.2	57.1	59.2	60.8	60.8	61.0	62.0	62.1	61.7
8	56.4	56.2	56.9	56.8	56.8	57.0	52.6	54.9	56.9	56.8	58.8	60.5	60.5	60.7	61.7	61.8	61.4
7	56.4	56.2	56.8	56.7	56.6	56.7	52.4	54.6	56.1	56.0	58.2	60.1	60.1	60.3	61.3	61.4	61.0
6	56.1	55.7	56.1	56.0	55.8	55.9	52.2	54.3	55.1	55.0	57.5	59.7	59.7	59.9	60.9	61.0	60.7
5	54.5	53.9	54.2	54.1	53.9	54.1	51.9	53.9	54.2	54.1	56.8	59.3	59.4	59.5	60.6	60.6	60.3
4	51.2	50.2	50.7	50.6	50.4	51.0	51.5	53.6	53.4	53.4	56.3	58.9	58.9	59.1	60.1	60.2	59.9
3	46.1	45.2	45.9	45.8	45.6	47.2	51.2	53.3	52.9	52.9	55.9	58.5	58.5	58.6	59.7	59.8	59.5
2	41.0	40.4	41.4	41.3	41.3	44.6	50.9	53.0	52.5	52.5	55.6	58.1	58.1	58.3	59.4	59.4	59.1
1	<40	<40	<40	<40	<40	43.1	50.6	52.7	52.2	52.2	55.3	57.7	57.7	57.9	59.0	59.1	58.8
Max	56.4	56.2	56.9	56.8	56.8	57.0	59.6	61.7	62.4	62.4	64.9	67.1	67.2	67.3	68.3	68.3	67.6
Min	<40	<40	<40	<40	<40	43.1	50.6	52.7	52.2	52.2	55.3	57.7	57.7	57.9	59.0	59.1	58.8

Floor	R404a	R404b	R405a	R405b	R406a	R406b	R407a	R407b	R407c	R408a	R408b	R408c	R501a	R501b	R501c	R501d	R502a
39	67.4	67.3	67.3	67.3	67.2	67.2	67.1	67.1	63.2	62.0	62.0	61.8	64.7	65.7	65.9	65.8	65.7
38	67.4	67.4	67.3	67.3	67.2	67.2	67.1	67.1	63.2	62.0	62.0	61.8	64.6	65.6	65.9	65.8	65.6
37	67.4	67.4	67.3	67.2	67.2	67.2	67.1	67.1	63.2	62.0	62.1	61.8	64.6	65.6	65.9	65.8	65.6
36	67.4	67.3	67.3	67.2	67.2	67.2	67.1	67.1	63.2	62.0	62.1	61.8	64.6	65.6	65.9	65.7	65.6
35	67.4	67.3	67.3	67.2	67.2	67.2	67.1	67.1	63.2	62.0	62.1	61.8	64.5	65.6	65.8	65.7	65.6
34	67.4	67.3	67.3	67.2	67.2	67.2	67.1	67.1	63.2	62.0	62.1	61.8	64.5	65.6	65.8	65.7	65.5
33	67.4	67.3	67.3	67.2	67.1	67.1	67.1	67.1	63.2	62.0	62.1	61.8	64.5	65.5	65.8	65.7	65.5
32	67.3	67.3	67.3	67.2	67.1	67.1	67.1	67.1	63.2	62.0	62.0	61.8	64.4	65.5	65.7	65.6	65.5
31	67.3	67.2	67.2	67.1	67.1	67.1	67.0	67.0	63.2	62.0	62.0	61.8	64.4	65.5	65.7	65.6	65.4
30	67.3	67.2	67.2	67.1	67.0	67.0	67.0	67.0	63.2	62.0	62.0	61.8	64.3	65.4	65.7	65.5	65.4
29	67.2	67.2	67.1	67.0	67.0	67.0	66.9	66.9	63.2	61.9	61.9	61.7	64.2	65.3	65.6	65.4	65.3
28	67.1	67.1	67.1	67.0	66.9	66.9	66.8	66.9	63.2	61.9	61.9	61.6	64.1	65.2	65.5	65.4	65.2
27	67.1	67.0	67.0	66.9	66.9	66.8	66.8	66.8	63.1	61.8	61.8	61.5	64.0	65.1	65.4	65.3	65.1
26	67.0	66.9	66.9	66.8	66.8	66.8	66.7	66.7	63.1	61.7	61.7	61.4	63.9	65.0	65.3	65.2	65.0
25	66.9	66.8	66.8	66.7	66.7	66.7	66.6	66.6	63.0	61.6	61.6	61.3	63.7	64.9	65.2	65.0	64.9
24	66.7	66.7	66.7	66.6	66.5	66.5	66.5	66.5	62.9	61.4	61.4	61.1	63.5	64.7	65.1	64.9	64.7
23	66.6	66.5	66.5	66.4	66.4	66.4	66.3	66.3	62.8	61.2	61.3	60.9	63.3	64.5	64.9	64.7	64.6
22	66.4	66.3	66.3	66.2	66.2	66.2	66.1	66.2	62.7	61.0	61.0	60.7	63.0	64.3	64.7	64.5	64.4
21	66.2	66.1	66.1	66.0	66.0	66.0	65.9	66.0	62.5	60.7	60.7	60.4	62.7	64.1	64.4	64.3	64.1
20	65.9	65.9	65.8	65.8	65.7	65.7	65.7	65.7	62.4	60.5	60.5	60.0	62.4	63.8	64.2	64.0	63.8
19	65.6	65.6	65.6	65.5	65.5	65.5	65.4	65.5	62.1	60.2	60.2	59.7	62.1	63.5	63.9	63.7	63.6
18	65.3	65.3	65.3	65.2	65.2	65.2	65.1	65.2	61.9	59.9	59.9	59.4	61.8	63.2	63.6	63.4	63.3
17	64.9	64.9	64.9	64.8	64.8	64.8	64.8	64.8	61.6	59.6	59.6	59.1	61.5	62.9	63.3	63.1	63.0
16	64.5	64.5	64.5	64.5	64.4	64.4	64.4	64.5	61.3	59.4	59.3	58.7	61.1	62.5	63.0	62.8	62.6
15	64.1	64.1	64.1	64.0	64.0	64.0	64.0	64.1	61.0	59.1	59.1	58.5	60.7	62.2	62.7	62.4	62.3
14	63.6	63.7	63.6	63.6	63.6	63.6	63.6	63.7	60.6	58.9	58.9	58.2	60.4	61.8	62.3	62.1	61.9
13	63.2	63.3	63.2	63.2	63.2	63.2	63.2	63.3	60.3	58.7	58.7	57.9	60.0	61.5	61.9	61.7	61.6
12	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9	60.1	58.5	58.4	57.6	59.6	61.1	61.6	61.3	61.2
11	62.3	62.4	62.4	62.4	62.4	62.4	62.3	62.5	59.8	58.3	58.2	57.4	59.3	60.8	61.3	61.0	60.8
10	61.9	62.0	62.0	61.9	61.9	62.0	61.9	62.1	59.5	58.1	58.1	57.2	58.9	60.5	61.0	60.7	60.5
9	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.8	59.2	58.0	57.9	57.0	58.6	60.2	60.7	60.4	60.3
8	61.3	61.3	61.3	61.3	61.3	61.3	61.2	61.4	59.0	57.8	57.7	56.7	58.4	59.9	60.4	60.2	60.0
7	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.2	58.7	57.5	57.3	56.2	58.2	59.7	60.2	59.9	59.7
6	60.6	60.7	60.7	60.7	60.6	60.7	60.6	60.8	58.2	56.8	56.6	55.2	58.0	59.5	60.0	59.8	59.6
5	60.2	60.3	60.4	60.3	60.3	60.3	60.3	60.4	57.7	55.8	55.6	54.0	57.7	59.2	59.7	59.5	59.3
4	59.8	59.9	60.0	59.9	59.9	59.9	59.9	60.0	57.1	55.0	54.9	53.0	57.3	58.9	59.4	59.2	59.0
3	59.4	59.5	59.5	59.5	59.5	59.6	59.6	59.6	56.6	54.4	54.3	52.4	57.0	58.6	59.2	58.9	58.7
2	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	56.1	54.0	53.8	51.9	56.7	58.4	58.9	58.6	58.5
1	58.7	58.8	58.9	58.8	58.8	58.9	58.9	58.9	55.8	53.8	53.5	51.6	56.4	58.1	58.7	58.4	58.2
Max	67.4	67.4	67.3	67.3	67.2	67.2	67.1	67.1	63.2	62.0	62.1	61.8	64.7	65.7	65.9	65.8	65.7
Min	58.7	58.8	58.9	58.8	58.8	58.9	58.9	58.9	55.8	53.8	53.5	51.6	56.4	58.1	58.7	58.4	58.2

Floor	R502b	R503a	R503b	R503c	R503d	R503e	R504a	R504b	R504c	R505a	R505b	R506a	R506b	R507a	R507b	R507c	R507d
39	65.5	65.8	66.0	62.7	62.5	62.4	62.2	61.9	61.5	61.2	60.8	60.5	60.2	59.9	59.5	53.7	54.6
38	65.5	65.7	66.0	62.7	62.5	62.4	62.2	61.9	61.6	61.2	60.8	60.5	60.2	59.9	59.5	53.6	54.6
37	65.5	65.7	66.0	62.7	62.5	62.4	62.2	61.9	61.5	61.2	60.8	60.5	60.2	59.9	59.5	53.7	54.6
36	65.5	65.7	66.0	62.7	62.5	62.4	62.2	61.9	61.5	61.2	60.8	60.5	60.2	59.9	59.5	53.7	54.6
35	65.5	65.7	66.0	62.7	62.5	62.4	62.2	61.9	61.5	61.2	60.8	60.5	60.2	59.9	59.5	53.7	54.7
34	65.4	65.7	66.0	62.7	62.5	62.4	62.2	61.9	61.5	61.2	60.8	60.5	60.2	59.9	59.5	53.8	54.6
33	65.4	65.7	66.0	62.7	62.5	62.4	62.2	61.9	61.5	61.1	60.8	60.5	60.2	59.9	59.5	53.7	54.7
32	65.4	65.6	65.9	62.7	62.5	62.4	62.2	61.9	61.5	61.2	60.8	60.5	60.2	59.9	59.5	53.8	54.6
31	65.3	65.6	65.9	62.7	62.5	62.4	62.2	61.9	61.5	61.1	60.8	60.5	60.2	59.9	59.5	53.8	54.6
30	65.3	65.5	65.9	62.7	62.5	62.4	62.2	61.8	61.5	61.1	60.8	60.5	60.2	59.8	59.4	53.8	54.6
29	65.2	65.5	65.8	62.7	62.5	62.4	62.2	61.8	61.4	61.1	60.8	60.4	60.1	59.8	59.4	53.8	54.5
28	65.1	65.4	65.7	62.7	62.5	62.3	62.2	61.8	61.4	61.1	60.7	60.4	60.1	59.8	59.4	53.8	54.5
27	65.0	65.3	65.7	62.7	62.5	62.3	62.1	61.8	61.4	61.0	60.7	60.4	60.1	59.7	59.3	53.8	54.5
26	64.9	65.2	65.6	62.6	62.4	62.3	62.1	61.8	61.4	61.0	60.7	60.3	60.0	59.7	59.2	53.8	54.4
25	64.8	65.1	65.5	62.6	62.4	62.3	62.1	61.7	61.3	61.0	60.6	60.3	60.0	59.6	59.2	53.8	54.4
24	64.6	64.9	65.4	62.6	62.4	62.2	62.1	61.7	61.3	60.9	60.6	60.2	59.9	59.6	59.1	53.7	54.3
23	64.4	64.8	65.3	62.5	62.3	62.2	62.0	61.7	61.2	60.9	60.5	60.1	59.8	59.5	59.0	53.7	54.2
22	64.2	64.6	65.1	62.5	62.3	62.2	62.0	61.6	61.2	60.8	60.4	60.1	59.8	59.4	58.9	53.5	54.1
21	64.0	64.4	64.9	62.4	62.2	62.1	61.9	61.5	61.1	60.7	60.4	60.0	59.7	59.3	58.8	53.5	54.1
20	63.7	64.1	64.7	62.3	62.2	62.0	61.8	61.5	61.0	60.6	60.2	59.9	59.6	59.2	58.7	53.4	53.9
19	63.4	63.9	64.5	62.2	62.1	61.9	61.7	61.4	60.9	60.5	60.1	59.8	59.4	59.0	58.6	53.3	53.8
18	63.2	63.6	64.3	62.1	62.0	61.9	61.7	61.3	60.8	60.4	60.0	59.6	59.3	58.9	58.4	53.3	53.7
17	62.9	63.3	64.1	62.0	61.9	61.8	61.6	61.2	60.7	60.3	59.9	59.5	59.2	58.8	58.3	53.2	53.5
16	62.5	63.0	63.9	61.9	61.8	61.7	61.5	61.1	60.5	60.1	59.7	59.3	59.0	58.6	58.1	53.2	53.4
15	62.2	62.7	63.7	61.8	61.6	61.5	61.4	60.9	60.4	60.0	59.6	59.2	58.9	58.5	57.9	53.2	53.3
14	61.8	62.4	63.4	61.6	61.5	61.4	61.2	60.8	60.2	59.8	59.4	59.0	58.7	58.3	57.7	53.1	53.2
13	61.4	62.0	63.2	61.4	61.3	61.3	61.1	60.6	60.0	59.6	59.2	58.8	58.5	58.1	57.5	53.1	53.1
12	61.1	61.7	62.9	61.3	61.2	61.1	60.9	60.5	59.9	59.5	59.1	58.7	58.3	57.9	57.4	53.1	53.0
11	60.7	61.3	62.6	61.1	61.0	61.0	60.8	60.3	59.8	59.4	58.9	58.5	58.2	57.8	57.3	53.1	52.9
10	60.4	61.0	62.4	60.9	60.9	60.9	60.7	60.2	59.6	59.2	58.8	58.4	58.1	57.7	57.1	53.1	52.8
9	60.2	60.8	62.3	60.8	60.8	60.7	60.6	60.0	59.4	59.0	58.6	58.2	57.9	57.5	57.0	53.0	52.7
8	59.9	60.5	62.0	60.6	60.6	60.6	60.4	59.9	59.3	58.9	58.4	58.1	57.7	57.3	56.8	53.0	52.6
7	59.7	60.2	61.9	60.5	60.4	60.4	60.3	59.7	59.1	58.6	58.3	57.8	57.5	57.1	56.5	52.8	52.4
6	59.5	60.0	61.6	60.2	60.2	60.2	60.0	59.4	58.7	58.3	57.9	57.5	57.1	56.7	56.1	52.4	51.8
5	59.2	59.7	61.2	59.7	59.6	59.6	59.4	58.7	58.1	57.7	57.3	56.9	56.5	56.1	55.4	51.5	50.8
4	58.9	59.3	60.4	58.7	58.5	58.5	58.2	57.7	57.2	56.9	56.7	56.2	55.8	55.4	54.8	50.7	50.0
3	58.6	59.0	59.7	57.7	57.4	57.2	57.1	56.9	56.7	56.5	56.3	55.9	55.5	55.1	54.4	50.1	49.4
2	58.4	58.8	59.3	57.2	56.9	56.6	56.6	56.5	56.4	56.2	56.0	55.6	55.2	54.8	54.2	49.9	49.0
1	58.1	58.5	59.0	56.9	56.6	56.3	56.2	56.2	56.1	56.0	55.9	55.4	55.1	54.7	54.0	49.8	48.8
Max	65.5	65.8	66.0	62.7	62.5	62.4	62.2	61.9	61.6	61.2	60.8	60.5	60.2	59.9	59.5	53.8	54.7
Min	58.1	58.5	59.0	56.9	56.6	56.3	56.2	56.2	56.1	56.0	55.9	55.4	55.1	54.7	54.0	49.8	48.8

Floor	R508a	R508b	R508c	R508d	R509a	R509b	R510a	R510b	R510c	R510d	R601a	R601b	R601c	R601d	R602a	R602b	R602c
39	57.3	63.0	63.3	63.5	63.2	62.7	56.4	62.0	64.5	64.6							
38	57.3	63.0	63.3	63.4	63.2	62.7	56.4	62.0	64.5	64.6	64.1	67.2	67.3	67.5	67.6	67.6	67.7
37	57.3	62.9	63.3	63.4	63.1	62.7	56.4	62.0	64.5	64.6	64.0	67.2	67.3	67.5	67.6	67.6	67.7
36	57.2	62.9	63.3	63.4	63.1	62.7	56.4	61.9	64.4	64.5	64.0	67.2	67.3	67.5	67.6	67.6	67.7
35	57.2	62.9	63.2	63.4	63.1	62.7	56.5	61.9	64.4	64.5	64.0	67.2	67.3	67.5	67.6	67.6	67.7
34	57.2	62.8	63.2	63.3	63.0	62.6	56.4	61.9	64.4	64.5	64.0	67.2	67.3	67.5	67.6	67.7	67.7
33	57.2	62.8	63.1	63.3	63.0	62.6	56.4	61.8	64.4	64.4	63.9	67.2	67.3	67.5	67.6	67.7	67.7
32	57.2	62.7	63.1	63.2	62.9	62.5	56.4	61.8	64.3	64.4	63.9	67.2	67.3	67.5	67.6	67.6	67.7
31	57.1	62.7	63.0	63.1	62.8	62.4	56.3	61.7	64.2	64.3	63.8	67.1	67.3	67.4	67.6	67.6	67.7
30	57.1	62.6	62.9	63.0	62.8	62.3	56.3	61.7	64.2	64.3	63.8	67.1	67.3	67.4	67.6	67.6	67.7
29	57.0	62.5	62.8	62.9	62.7	62.3	56.2	61.6	64.1	64.2	63.8	67.1	67.2	67.4	67.5	67.6	67.7
28	56.9	62.3	62.7	62.9	62.6	62.2	56.1	61.5	64.0	64.1	63.7	67.1	67.2	67.4	67.5	67.6	67.6
27	56.9	62.2	62.6	62.7	62.4	62.0	56.0	61.3	63.9	64.0	63.6	67.0	67.1	67.3	67.5	67.5	67.6
26	56.7	62.1	62.4	62.6	62.3	61.9	55.9	61.2	63.7	63.8	63.6	67.0	67.1	67.3	67.4	67.5	67.6
25	56.6	61.9	62.2	62.4	62.1	61.7	55.8	61.0	63.6	63.7	63.5	66.9	67.0	67.2	67.4	67.4	67.5
24	56.5	61.7	62.0	62.2	61.9	61.5	55.6	60.8	63.4	63.5	63.4	66.8	67.0	67.2	67.3	67.4	67.4
23	56.3	61.5	61.8	61.9	61.6	61.2	55.4	60.5	63.2	63.3	63.3	66.7	66.9	67.1	67.2	67.3	67.4
22	56.1	61.2	61.5	61.7	61.4	60.9	55.2	60.2	62.9	63.0	63.1	66.6	66.8	67.0	67.1	67.2	67.3
21	55.9	60.9	61.2	61.4	61.1	60.6	54.8	59.9	62.6	62.7	63.0	66.5	66.7	66.8	67.0	67.1	67.1
20	55.6	60.6	60.9	61.0	60.7	60.2	54.4	59.5	62.3	62.4	62.8	66.3	66.5	66.7	66.9	66.9	67.0
19	55.3	60.3	60.6	60.7	60.4	60.0	54.0	59.2	62.0	62.1	62.6	66.2	66.3	66.5	66.7	66.7	66.8
18	54.9	60.0	60.3	60.4	60.1	59.6	53.5	58.9	61.7	61.8	62.4	66.0	66.1	66.3	66.5	66.5	66.6
17	54.6	59.7	60.0	60.1	59.8	59.3	53.0	58.5	61.4	61.5	62.1	65.8	65.9	66.1	66.2	66.3	66.4
16	54.4	59.4	59.6	59.7	59.4	58.9	52.5	58.1	61.0	61.1	61.8	65.5	65.7	65.8	66.0	66.0	66.1
15	54.1	59.0	59.2	59.4	59.0	58.5	52.1	57.7	60.6	60.7	61.6	65.2	65.4	65.5	65.6	65.7	65.8
14	53.8	58.7	58.9	59.0	58.6	58.1	51.5	57.2	60.3	60.4	61.3	64.9	65.0	65.2	65.3	65.3	65.4
13	53.5	58.3	58.5	58.6	58.2	57.7	51.0	56.8	59.9	60.0	60.9	64.5	64.7	64.8	64.9	64.9	65.1
12	53.2	58.0	58.1	58.2	57.8	57.4	50.6	56.4	59.6	59.6	60.5	64.1	64.2	64.4	64.5	64.5	64.6
11	53.0	57.7	57.7	57.9	57.5	57.0	50.1	56.1	59.2	59.3	60.2	63.7	63.9	64.0	64.1	64.1	64.2
10	52.9	57.4	57.5	57.6	57.2	56.7	49.8	55.8	58.9	59.0	59.8	63.3	63.5	63.6	63.7	63.7	63.8
9	52.7	57.2	57.2	57.4	57.0	56.4	49.4	55.5	58.6	58.6	59.5	63.0	63.1	63.2	63.3	63.3	63.4
8	52.4	56.9	56.9	57.1	56.7	56.2	49.0	55.2	58.3	58.4	59.0	62.5	62.7	62.8	62.8	62.9	62.9
7	52.0	56.7	56.8	56.9	56.5	56.0	48.7	55.0	58.1	58.2	58.7	62.1	62.2	62.3	62.4	62.4	62.5
6	51.3	56.4	56.7	56.8	56.4	55.9	48.5	54.9	58.0	58.0	58.4	61.8	61.9	62.0	62.0	62.1	62.1
5	50.2	56.1	56.4	56.6	56.2	55.6	48.2	54.5	57.6	57.7	58.0	61.4	61.5	61.6	61.7	61.7	61.8
4	49.2	55.7	56.0	56.2	55.7	55.2	47.8	54.1	57.3	57.3	57.8	61.1	61.2	61.3	61.4	61.4	61.4
3	48.5	55.2	55.7	55.8	55.4	54.8	47.4	53.8	56.9	57.0	57.6	60.9	61.0	61.1	61.1	61.1	61.2
2	47.9	54.9	55.3	55.5	55.0	54.5	47.0	53.4	56.6	56.7	57.4	60.6	60.7	60.8	60.8	60.8	60.9
1	47.5	54.5	55.0	55.2	54.7	54.2	46.7	53.1	56.4	56.4	57.0	60.2	60.3	60.4	60.4	60.4	60.5
Max	57.3	63.0	63.3	63.5	63.2	62.7	56.5	62.0	64.5	64.6	64.1	67.2	67.3	67.5	67.6	67.7	67.7
Min	47.5	54.5	55.0	55.2	54.7	54.2	46.7	53.1	56.4	56.4	57.0	60.2	60.3	60.4	60.4	60.4	60.5

Floor	R603a	R603b	R604a	R604b	R605a	R605b	R606a	R606b	R607a	R607b	R608a	R608b	R608c	R608d	R609a	R609b	R609c
39																	
38	67.7	67.8	67.8	67.8	67.9	67.9	68.0	68.0	68.1	68.1	68.3	68.3	68.8	67.9	67.9	67.9	65.2
37	67.8	67.8	67.9	67.9	68.0	67.9	68.0	68.1	68.1	68.2	68.3	68.3	68.9	68.0	67.9	67.9	65.2
36	67.8	67.8	67.9	67.9	68.0	68.0	68.0	68.1	68.1	68.2	68.3	68.4	68.9	68.0	67.9	67.9	65.3
35	67.8	67.8	67.9	67.9	68.0	68.0	68.1	68.1	68.2	68.2	68.3	68.4	68.9	68.0	67.9	67.9	65.3
34	67.8	67.8	67.9	67.9	68.0	68.0	68.1	68.1	68.2	68.2	68.3	68.4	68.9	68.0	68.0	68.0	65.4
33	67.8	67.8	67.9	67.9	68.0	68.0	68.1	68.1	68.2	68.2	68.3	68.4	69.0	68.1	68.0	68.0	65.4
32	67.8	67.8	67.9	67.9	68.0	68.0	68.1	68.1	68.2	68.2	68.3	68.4	69.0	68.1	68.0	68.0	65.4
31	67.8	67.8	67.9	67.9	68.0	68.0	68.1	68.1	68.2	68.2	68.3	68.4	69.0	68.1	68.0	68.0	65.5
30	67.8	67.8	67.8	67.9	68.0	68.0	68.1	68.1	68.2	68.2	68.4	68.4	69.0	68.1	68.0	68.1	65.5
29	67.7	67.8	67.8	67.9	68.0	68.0	68.1	68.1	68.2	68.2	68.3	68.4	69.0	68.1	68.0	68.1	65.5
28	67.7	67.7	67.8	67.8	67.9	67.9	68.0	68.1	68.1	68.2	68.3	68.4	68.9	68.1	68.0	68.1	65.5
27	67.7	67.7	67.8	67.8	67.9	67.9	68.0	68.0	68.1	68.2	68.3	68.4	68.9	68.1	68.0	68.1	65.5
26	67.6	67.7	67.7	67.8	67.9	67.9	68.0	68.0	68.1	68.1	68.3	68.4	68.9	68.0	68.0	68.0	65.5
25	67.6	67.6	67.7	67.7	67.8	67.8	67.9	68.0	68.0	68.1	68.2	68.3	68.8	68.0	67.9	68.0	65.5
24	67.5	67.5	67.6	67.7	67.8	67.8	67.9	67.9	68.0	68.0	68.2	68.3	68.7	67.9	67.8	67.9	65.4
23	67.4	67.5	67.5	67.6	67.7	67.7	67.8	67.8	67.9	68.0	68.1	68.2	68.7	67.9	67.8	67.9	65.4
22	67.3	67.4	67.5	67.5	67.6	67.6	67.7	67.8	67.8	67.9	68.0	68.1	68.6	67.8	67.7	67.8	65.3
21	67.2	67.3	67.3	67.4	67.5	67.5	67.6	67.7	67.7	67.8	67.9	68.0	68.5	67.7	67.7	67.8	65.3
20	67.1	67.1	67.2	67.2	67.4	67.4	67.5	67.5	67.6	67.7	67.8	67.9	68.5	67.7	67.6	67.7	65.2
19	66.9	66.9	67.0	67.1	67.2	67.2	67.3	67.4	67.5	67.5	67.7	67.8	68.3	67.6	67.5	67.6	65.2
18	66.7	66.7	66.8	66.9	67.0	67.0	67.1	67.2	67.3	67.3	67.5	67.6	68.2	67.4	67.4	67.5	65.2
17	66.5	66.5	66.6	66.6	66.8	66.8	66.9	67.0	67.0	67.1	67.2	67.4	68.0	67.3	67.2	67.4	65.1
16	66.2	66.2	66.3	66.4	66.5	66.5	66.6	66.7	66.8	66.8	67.0	67.1	67.8	67.1	67.0	67.2	65.0
15	65.9	65.9	66.0	66.0	66.2	66.2	66.3	66.4	66.5	66.5	66.7	66.8	67.5	66.9	66.8	67.0	64.9
14	65.5	65.6	65.6	65.7	65.8	65.8	65.9	66.0	66.1	66.1	66.3	66.4	67.2	66.6	66.5	66.8	64.7
13	65.1	65.2	65.2	65.3	65.4	65.4	65.6	65.6	65.7	65.7	65.9	66.0	66.9	66.3	66.2	66.6	64.5
12	64.7	64.7	64.8	64.8	65.0	65.0	65.1	65.1	65.2	65.3	65.4	65.5	66.6	66.0	65.9	66.3	64.4
11	64.3	64.3	64.4	64.4	64.5	64.6	64.7	64.7	64.8	64.8	64.9	65.0	66.2	65.6	65.6	66.0	64.2
10	63.8	63.9	63.9	64.0	64.1	64.1	64.2	64.3	64.3	64.4	64.5	64.6	65.9	65.3	65.3	65.8	64.1
9	63.4	63.5	63.5	63.5	63.7	63.7	63.8	63.8	63.9	63.9	64.0	64.1	65.5	65.0	65.0	65.5	64.0
8	63.0	63.0	63.1	63.1	63.2	63.2	63.3	63.3	63.4	63.4	63.5	63.6	65.2	64.7	64.7	65.3	63.8
7	62.5	62.6	62.6	62.6	62.8	62.7	62.8	62.9	62.9	62.9	63.0	63.1	64.9	64.4	64.4	65.0	63.7
6	62.2	62.2	62.3	62.3	62.4	62.4	62.5	62.5	62.5	62.6	62.7	62.7	64.7	64.2	64.2	64.8	63.6
5	61.8	61.8	61.9	61.9	62.0	62.0	62.1	62.1	62.2	62.2	62.3	62.4	64.5	64.0	64.0	64.6	63.5
4	61.5	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.8	61.8	61.9	62.0	64.3	63.8	63.8	64.5	63.4
3	61.2	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.5	61.5	61.6	61.6	64.1	63.7	63.7	64.4	63.3
2	60.9	60.9	61.0	61.0	61.0	61.0	61.1	61.0	61.1	61.1	61.2	61.2	63.9	63.5	63.5	64.2	63.2
1	60.5	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.8	60.8	60.9	60.9	63.8	63.4	63.3	64.0	63.0
Max	67.8	67.8	67.9	67.9	68.0	68.0	68.1	68.1	68.2	68.2	68.4	68.4	69.0	68.1	68.0	68.1	65.5
Min	60.5	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.8	60.8	60.9	60.9	63.8	63.4	63.3	64.0	63.0

Floor	R609d	R609e	R610a	R610b	R610c	R611a	R611b	R611c	R612a	R612b	R613a	R613b	R614a	R615a	R615b	R616a	R616b
39																	
38	63.3	62.0	61.2	60.6	60.6	60.5	60.3	59.9	59.7	59.3	59.1	58.8	58.7	59.5	60.3	61.3	61.9
37	63.3	62.1	61.3	60.7	60.7	60.5	60.3	59.9	59.7	59.3	59.2	58.8	58.7	59.5	60.4	61.3	61.9
36	63.4	62.1	61.3	60.7	60.7	60.6	60.4	60.0	59.8	59.4	59.2	58.9	58.8	59.5	60.4	61.3	62.0
35	63.4	62.2	61.4	60.8	60.8	60.6	60.5	60.0	59.8	59.4	59.2	58.9	58.8	59.6	60.5	61.3	62.0
34	63.4	62.2	61.4	60.8	60.8	60.7	60.5	60.1	59.8	59.5	59.3	58.9	58.8	59.6	60.5	61.4	62.0
33	63.5	62.2	61.5	60.9	60.9	60.7	60.5	60.1	59.9	59.5	59.3	59.0	58.9	59.6	60.5	61.4	62.1
32	63.5	62.3	61.5	60.9	60.9	60.8	60.6	60.2	60.0	59.5	59.4	59.0	58.9	59.7	60.5	61.5	62.1
31	63.6	62.3	61.5	61.0	61.0	60.8	60.6	60.2	60.0	59.6	59.4	59.1	59.0	59.7	60.6	61.5	62.1
30	63.6	62.4	61.6	61.0	61.0	60.9	60.7	60.3	60.0	59.7	59.4	59.1	59.0	59.7	60.6	61.5	62.1
29	63.6	62.4	61.7	61.1	61.1	60.9	60.7	60.3	60.1	59.7	59.5	59.1	59.0	59.8	60.6	61.6	62.2
28	63.7	62.4	61.7	61.1	61.1	61.0	60.8	60.4	60.1	59.7	59.5	59.2	59.0	59.8	60.7	61.6	62.2
27	63.7	62.5	61.7	61.2	61.2	61.0	60.8	60.4	60.1	59.8	59.5	59.2	59.1	59.8	60.7	61.6	62.2
26	63.7	62.5	61.8	61.2	61.2	61.1	60.9	60.5	60.2	59.8	59.6	59.3	59.1	59.8	60.7	61.6	62.2
25	63.7	62.4	61.8	61.3	61.3	61.1	60.9	60.5	60.2	59.8	59.6	59.3	59.2	59.9	60.7	61.6	62.2
24	63.5	62.3	61.8	61.3	61.3	61.2	61.0	60.5	60.3	59.8	59.6	59.3	59.2	59.9	60.8	61.6	62.2
23	63.5	62.3	61.9	61.4	61.3	61.2	61.0	60.6	60.3	59.9	59.7	59.3	59.2	59.9	60.7	61.7	62.3
22	63.5	62.3	61.9	61.4	61.4	61.2	61.1	60.6	60.3	59.9	59.7	59.3	59.2	59.9	60.8	61.7	62.2
21	63.5	62.3	61.9	61.4	61.4	61.3	61.1	60.6	60.4	59.9	59.7	59.3	59.2	59.9	60.8	61.7	62.2
20	63.5	62.3	62.0	61.5	61.4	61.3	61.1	60.7	60.4	59.9	59.7	59.4	59.2	59.9	60.7	61.6	62.2
19	63.5	62.3	62.0	61.5	61.5	61.4	61.1	60.7	60.4	59.9	59.7	59.4	59.3	59.9	60.7	61.6	62.2
18	63.5	62.3	62.0	61.5	61.5	61.4	61.2	60.7	60.4	59.9	59.7	59.4	59.2	59.9	60.7	61.6	62.1
17	63.4	62.3	62.0	61.6	61.5	61.4	61.2	60.7	60.4	59.9	59.7	59.4	59.2	59.8	60.7	61.6	62.1
16	63.4	62.3	62.0	61.6	61.5	61.4	61.2	60.7	60.4	59.9	59.7	59.3	59.2	59.8	60.6	61.5	62.0
15	63.4	62.3	62.0	61.6	61.5	61.4	61.2	60.7	60.4	59.9	59.6	59.3	59.2	59.7	60.5	61.4	61.9
14	63.3	62.3	62.0	61.6	61.5	61.4	61.2	60.7	60.3	59.9	59.6	59.3	59.1	59.7	60.4	61.3	61.8
13	63.2	62.2	62.0	61.6	61.5	61.4	61.2	60.7	60.3	59.7	59.5	59.1	59.0	59.5	60.3	61.2	61.6
12	63.2	62.2	61.9	61.6	61.5	61.4	61.2	60.6	60.2	59.7	59.4	59.0	58.8	59.4	60.1	61.1	61.5
11	63.1	62.2	61.9	61.6	61.5	61.3	61.1	60.6	60.1	59.5	59.2	58.8	58.6	59.1	60.0	60.9	61.3
10	63.1	62.2	61.9	61.6	61.4	61.3	61.1	60.5	60.0	59.3	58.9	58.5	58.3	58.9	59.7	60.6	61.1
9	63.1	62.2	61.9	61.6	61.4	61.3	61.0	60.3	59.7	59.0	58.6	58.2	58.0	58.6	59.4	60.4	60.8
8	63.0	62.1	61.8	61.5	61.3	61.1	60.8	60.0	59.4	58.6	58.2	57.9	57.8	58.3	59.2	60.1	60.5
7	63.0	62.1	61.8	61.5	61.2	60.9	60.5	59.7	59.0	58.2	57.9	57.7	57.6	58.1	58.9	59.9	60.3
6	62.9	62.1	61.8	61.4	61.0	60.7	60.1	59.4	58.7	58.0	57.7	57.6	57.5	57.9	58.8	59.8	60.2
5	62.9	62.1	61.7	61.3	60.8	60.4	59.8	59.1	58.5	57.8	57.6	57.5	57.4	57.9	58.7	59.7	60.1
4	62.8	62.0	61.6	61.1	60.6	60.1	59.5	58.8	58.2	57.7	57.6	57.4	57.4	57.8	58.7	59.7	60.0
3	62.7	61.7	61.3	60.7	60.2	59.7	59.1	58.4	57.9	57.5	57.4	57.4	57.3	57.8	58.6	59.6	59.9
2	62.6	61.5	61.0	60.4	59.8	59.2	58.4	57.7	57.5	57.3	57.3	57.3	57.2	57.7	58.6	59.5	59.9
1	62.4	61.2	60.7	60.0	59.3	58.6	57.9	57.3	57.2	57.1	57.2	57.2	57.2	57.6	58.5	59.5	59.8
Max	63.7	62.5	62.0	61.6	61.5	61.4	61.2	60.7	60.4	59.9	59.7	59.4	59.3	59.9	60.8	61.7	62.3
Min	62.4	61.2	60.7	60.0	59.3	58.6	57.9	57.3	57.2	57.1	57.2	57.2	57.2	57.6	58.5	59.5	59.8

Floor	R616c	R616d	R617a	R617b	R617c	R618a	R618b	R618c	R618d	R619a	R619b	R620a	R620b	R621a	R621b	R621c	R621d
39																	
38	62.4	62.4	60.2	59.1	58.9	60.2	61.2	60.3	60.0	59.9	59.8	59.8	60.3	60.7	61.2	63.8	63.8
37	62.4	62.4	60.2	59.1	59.0	60.2	61.2	60.3	59.9	59.8	59.6	59.6	60.2	60.6	61.1	63.8	63.8
36	62.4	62.5	60.3	59.2	59.0	60.3	61.2	60.2	59.9	59.8	59.6	59.6	60.2	60.6	61.0	63.8	63.7
35	62.5	62.5	60.3	59.2	59.0	60.3	61.2	60.2	59.8	59.7	59.6	59.5	60.2	60.6	61.0	63.8	63.7
34	62.5	62.5	60.4	59.2	59.1	60.3	61.2	60.2	59.8	59.7	59.5	59.5	60.1	60.5	61.0	63.7	63.7
33	62.5	62.6	60.4	59.3	59.2	60.4	61.2	60.2	59.7	59.6	59.5	59.4	60.0	60.5	60.9	63.7	63.7
32	62.6	62.6	60.5	59.3	59.2	60.4	61.2	60.1	59.7	59.6	59.4	59.4	60.0	60.4	60.9	63.7	63.6
31	62.6	62.6	60.5	59.4	59.2	60.4	61.2	60.1	59.6	59.5	59.4	59.3	59.9	60.3	60.8	63.6	63.6
30	62.6	62.7	60.5	59.4	59.3	60.5	61.2	60.0	59.6	59.5	59.3	59.2	59.8	60.3	60.8	63.6	63.5
29	62.7	62.7	60.5	59.5	59.3	60.5	61.1	60.0	59.5	59.4	59.2	59.2	59.8	60.2	60.7	63.5	63.5
28	62.7	62.7	60.6	59.5	59.3	60.5	61.1	59.9	59.4	59.3	59.1	59.1	59.7	60.1	60.6	63.5	63.4
27	62.7	62.7	60.6	59.5	59.4	60.5	61.1	59.8	59.4	59.2	59.0	59.0	59.6	60.0	60.5	63.4	63.4
26	62.7	62.7	60.6	59.6	59.4	60.5	61.0	59.7	59.3	59.1	58.9	58.9	59.5	59.9	60.4	63.3	63.3
25	62.7	62.7	60.7	59.6	59.5	60.5	60.9	59.6	59.2	59.0	58.8	58.8	59.3	59.8	60.3	63.2	63.2
24	62.7	62.8	60.7	59.7	59.5	60.5	60.8	59.5	59.0	58.9	58.7	58.6	59.2	59.7	60.2	63.1	63.1
23	62.7	62.7	60.7	59.7	59.5	60.5	60.7	59.3	58.9	58.7	58.5	58.5	59.1	59.5	60.0	63.0	63.0
22	62.7	62.7	60.7	59.7	59.5	60.5	60.6	59.2	58.7	58.5	58.4	58.3	58.9	59.3	59.9	62.9	62.8
21	62.7	62.7	60.7	59.7	59.6	60.5	60.5	59.0	58.5	58.3	58.1	58.1	58.7	59.1	59.6	62.7	62.6
20	62.7	62.7	60.7	59.7	59.6	60.4	60.3	58.8	58.3	58.1	57.9	57.9	58.5	58.9	59.4	62.6	62.5
19	62.6	62.7	60.7	59.8	59.6	60.3	60.1	58.5	58.0	57.9	57.7	57.6	58.2	58.6	59.2	62.4	62.3
18	62.6	62.6	60.7	59.7	59.6	60.2	59.9	58.2	57.8	57.6	57.4	57.3	57.9	58.4	58.9	62.1	62.0
17	62.5	62.5	60.7	59.7	59.6	60.1	59.7	57.8	57.4	57.3	57.1	57.0	57.6	58.1	58.6	61.9	61.8
16	62.4	62.5	60.6	59.7	59.5	60.0	59.4	57.5	57.1	57.1	56.9	56.8	57.4	57.8	58.4	61.6	61.5
15	62.3	62.4	60.6	59.7	59.5	59.9	59.2	57.1	56.8	56.8	56.6	56.5	57.1	57.6	58.1	61.4	61.3
14	62.2	62.2	60.6	59.7	59.5	59.8	59.0	56.8	56.6	56.5	56.4	56.3	56.9	57.3	57.8	61.1	61.0
13	62.0	62.1	60.4	59.6	59.4	59.7	58.7	56.4	56.2	56.2	56.0	55.9	56.5	57.0	57.5	60.7	60.6
12	61.9	62.0	60.4	59.6	59.3	59.6	58.4	56.1	55.9	55.9	55.7	55.6	56.2	56.7	57.2	60.4	60.3
11	61.7	61.8	60.2	59.5	59.2	59.3	58.0	55.7	55.6	55.6	55.5	55.4	56.0	56.4	56.9	60.0	59.9
10	61.5	61.6	60.0	59.3	59.0	59.2	57.6	55.3	55.1	55.2	55.1	55.0	55.6	56.0	56.5	59.6	59.6
9	61.2	61.3	59.8	59.0	58.8	58.9	57.2	54.9	54.8	54.8	54.7	54.6	55.2	55.6	56.2	59.3	59.2
8	61.0	61.1	59.6	58.9	58.7	58.8	56.9	54.6	54.4	54.5	54.3	54.3	54.9	55.3	55.8	58.9	58.8
7	60.7	60.8	59.4	58.7	58.6	58.7	56.7	54.2	54.1	54.2	54.0	54.0	54.6	55.0	55.5	58.5	58.4
6	60.5	60.7	59.3	58.7	58.5	58.6	56.5	54.0	53.9	54.0	53.8	53.8	54.4	54.8	55.3	58.2	58.1
5	60.4	60.5	59.2	58.7	58.5	58.5	56.4	53.8	53.6	53.7	53.6	53.5	54.1	54.5	55.0	57.8	57.8
4	60.3	60.5	59.2	58.7	58.5	58.5	56.2	53.5	53.4	53.6	53.4	53.4	54.0	54.4	54.9	57.6	57.5
3	60.3	60.4	59.2	58.7	58.5	58.5	56.1	53.4	53.3	53.4	53.3	53.3	53.9	54.3	54.8	57.4	57.3
2	60.2	60.4	59.2	58.6	58.5	58.5	56.0	53.3	53.2	53.4	53.3	53.2	53.8	54.2	54.7	57.2	57.2
1	60.2	60.3	59.1	58.6	58.5	58.4	56.0	53.1	53.0	53.2	53.0	52.9	53.5	53.9	54.4	56.8	56.8
Max	62.7	62.8	60.7	59.8	59.6	60.5	61.2	60.3	60.0	59.9	59.8	59.8	60.3	60.7	61.2	63.8	63.8
Min	60.2	60.3	59.1	58.6	58.5	58.4	56.0	53.1	53.0	53.2	53.0	52.9	53.5	53.9	54.4	56.8	56.8

Floor	R701a	R702a	R702b	R702c	R703a	R703b	R703c	R704a	R704b	R704c	R705a	R705b	R706a	R706b	R706c	R707a	R707b
39																	
38																	
37																	
36																	
35																	
34																	
33																	
32	67.6	67.5	67.4	67.3	67.1	67.0	66.9	66.6	66.6	66.7	66.8	67.0	67.1	67.8	68.3	66.0	65.1
31	67.6	67.5	67.4	67.3	67.1	67.0	66.9	66.6	66.7	66.7	66.8	67.0	67.1	67.8	68.3	66.1	65.2
30	67.6	67.6	67.5	67.3	67.1	67.0	66.9	66.6	66.7	66.7	66.8	67.0	67.1	67.9	68.4	66.2	65.3
29	67.6	67.6	67.5	67.3	67.2	67.1	66.9	66.6	66.7	66.7	66.8	67.0	67.1	67.9	68.4	66.2	65.4
28	67.6	67.6	67.5	67.3	67.1	67.1	66.9	66.6	66.6	66.7	66.8	67.0	67.1	67.9	68.5	66.4	65.6
27	67.6	67.6	67.5	67.3	67.1	67.1	66.9	66.6	66.6	66.7	66.8	67.0	67.1	67.9	68.5	66.4	65.7
26	67.6	67.6	67.5	67.3	67.1	67.1	66.9	66.6	66.6	66.7	66.8	67.0	67.1	67.9	68.5	66.5	65.8
25	67.6	67.6	67.4	67.3	67.1	67.0	66.9	66.6	66.6	66.6	66.8	67.0	67.1	67.9	68.6	66.6	65.9
24	67.6	67.5	67.4	67.3	67.1	67.0	66.8	66.5	66.6	66.6	66.7	67.0	67.1	67.9	68.6	66.7	66.0
23	67.5	67.5	67.4	67.3	67.1	67.0	66.8	66.5	66.5	66.6	66.7	66.9	67.1	67.9	68.7	66.8	66.1
22	67.4	67.4	67.3	67.2	67.0	66.9	66.8	66.4	66.5	66.5	66.6	66.9	67.0	67.9	68.7	66.9	66.3
21	67.3	67.3	67.2	67.1	67.0	66.9	66.7	66.3	66.4	66.4	66.6	66.8	67.0	67.8	68.7	67.1	66.4
20	67.3	67.2	67.1	67.1	66.9	66.8	66.6	66.3	66.3	66.4	66.5	66.8	66.9	67.8	68.7	67.2	66.6
19	67.2	67.2	67.1	67.0	66.8	66.7	66.5	66.1	66.2	66.3	66.4	66.7	66.8	67.7	68.8	67.3	66.7
18	67.1	67.1	67.0	66.9	66.7	66.6	66.4	66.0	66.1	66.1	66.3	66.6	66.7	67.7	68.8	67.4	66.9
17	67.0	66.9	66.8	66.7	66.6	66.5	66.3	65.9	65.9	66.0	66.1	66.4	66.6	67.6	68.8	67.6	67.1
16	66.8	66.8	66.7	66.6	66.4	66.3	66.1	65.7	65.7	65.8	65.9	66.3	66.5	67.5	68.8	67.7	67.2
15	66.6	66.6	66.5	66.4	66.3	66.1	65.9	65.4	65.5	65.5	65.7	66.1	66.3	67.4	68.8	67.8	67.4
14	66.4	66.4	66.3	66.2	66.0	65.9	65.7	65.1	65.2	65.3	65.4	65.8	66.1	67.2	68.7	68.0	67.5
13	66.1	66.1	66.0	65.9	65.8	65.6	65.4	64.8	64.9	64.9	65.1	65.5	65.8	67.1	68.7	68.1	67.7
12	65.8	65.8	65.7	65.6	65.5	65.3	65.1	64.4	64.5	64.5	64.8	65.2	65.5	66.9	68.7	68.3	67.9
11	65.6	65.6	65.5	65.4	65.2	65.1	64.8	64.1	64.2	64.2	64.4	64.9	65.2	66.8	68.7	68.5	68.1
10	65.3	65.3	65.2	65.1	64.9	64.8	64.4	63.7	63.8	63.8	64.1	64.6	64.9	66.6	68.7	68.6	68.3
9	65.0	65.0	64.9	64.8	64.7	64.5	64.1	63.3	63.4	63.4	63.7	64.3	64.7	66.5	68.8	68.8	68.6
8	64.8	64.8	64.7	64.6	64.4	64.2	63.8	62.9	63.0	63.0	63.3	64.0	64.4	66.4	68.8	69.0	68.8
7	64.5	64.6	64.5	64.3	64.2	64.0	63.6	62.5	62.6	62.7	63.0	63.7	64.2	66.3	68.9	69.3	69.0
6	64.4	64.4	64.3	64.2	64.0	63.8	63.3	62.2	62.3	62.3	62.7	63.5	64.0	66.3	69.0	69.5	69.2
5	64.2	64.3	64.1	64.0	63.8	63.6	63.2	61.9	62.0	62.0	62.5	63.3	63.8	66.3	69.2	69.7	69.5
4	64.1	64.1	64.0	63.8	63.6	63.5	63.0	61.6	61.7	61.7	62.2	63.1	63.7	66.3	69.3	70.0	69.8
3	64.0	64.0	63.9	63.7	63.4	63.2	62.7	61.2	61.4	61.4	61.9	62.9	63.5	66.3	69.3	70.2	70.0
2	63.8	63.9	63.7	63.5	63.2	62.9	62.0	60.7	60.8	60.9	61.6	62.7	63.4	66.3	69.5	70.3	69.3
1	63.2	63.7	63.5	63.4	63.1	62.7	61.3	59.7	59.7	59.8	60.2	61.2	62.8	66.3	69.6	66.3	62.4
Max	67.6	67.6	67.5	67.3	67.2	67.1	66.9	66.6	66.7	66.7	66.8	67.0	67.1	67.9	69.6	70.3	70.0
Min	63.2	63.7	63.5	63.4	63.1	62.7	61.3	59.7	59.7	59.8	60.2	61.2	62.8	66.3	68.3	66.0	62.4

Floor	R707c	R708a	R708b	R708c	R708d	R709a	R709b	R709c	R710a	R710b	R710c	R711a	R711b	R712a	R712b	R713a	R713b
39																	
38																	
37																	
36																	
35																	
34																	
33																	
32	65.0	64.6	64.8	64.7	64.7	64.9	65.1	65.3	65.5	65.6	65.8	56.2	49.5	47.7	<40	<40	<40
31	65.1	64.6	64.9	64.8	64.8	65.0	65.2	65.4	65.6	65.7	65.9	56.3	49.5	47.7	<40	<40	<40
30	65.1	64.7	65.0	64.9	64.9	65.1	65.3	65.5	65.7	65.8	66.0	56.3	49.5	47.7	<40	<40	<40
29	65.3	64.8	65.1	65.0	65.0	65.2	65.4	65.6	65.8	65.9	66.1	56.4	49.5	47.7	<40	<40	<40
28	65.4	65.0	65.2	65.1	65.1	65.3	65.5	65.7	65.9	66.0	66.2	56.5	49.4	47.6	<40	<40	<40
27	65.5	65.1	65.3	65.2	65.2	65.4	65.7	65.8	66.0	66.1	66.3	56.5	49.4	47.6	<40	<40	<40
26	65.6	65.2	65.5	65.4	65.3	65.6	65.8	65.9	66.1	66.2	66.4	56.6	49.4	47.6	<40	<40	<40
25	65.7	65.3	65.6	65.5	65.4	65.7	65.9	66.0	66.2	66.3	66.5	56.7	49.3	47.5	<40	<40	<40
24	65.9	65.4	65.7	65.6	65.5	65.8	66.0	66.2	66.3	66.4	66.6	56.8	49.2	47.5	<40	<40	<40
23	66.0	65.6	65.8	65.7	65.7	65.9	66.1	66.3	66.4	66.5	66.7	56.9	49.2	47.4	<40	<40	<40
22	66.1	65.7	66.0	65.9	65.8	66.1	66.2	66.4	66.5	66.6	66.8	56.9	49.1	47.3	<40	<40	<40
21	66.3	65.8	66.1	66.0	65.9	66.2	66.4	66.6	66.7	66.8	66.9	57.0	49.0	47.3	<40	<40	<40
20	66.4	66.0	66.2	66.1	66.1	66.4	66.5	66.6	66.8	66.9	67.0	57.1	48.9	47.2	<40	<40	<40
19	66.5	66.1	66.3	66.3	66.2	66.5	66.7	66.8	66.9	67.0	67.2	57.2	48.8	47.0	<40	<40	<40
18	66.7	66.2	66.5	66.4	66.3	66.6	66.8	66.9	67.1	67.1	67.3	57.2	48.6	46.9	<40	<40	<40
17	66.8	66.4	66.7	66.6	66.5	66.8	66.9	67.1	67.2	67.3	67.4	57.3	48.5	46.8	<40	<40	<40
16	67.0	66.6	66.8	66.7	66.7	67.0	67.1	67.2	67.3	67.4	67.5	57.4	48.3	46.6	<40	<40	<40
15	67.2	66.7	67.0	66.9	66.8	67.1	67.3	67.4	67.5	67.6	67.7	57.5	48.0	46.5	<40	<40	<40
14	67.3	66.9	67.1	67.1	67.0	67.3	67.4	67.5	67.6	67.7	67.8	57.6	47.8	46.3	<40	<40	<40
13	67.5	67.1	67.3	67.2	67.1	67.4	67.6	67.7	67.8	67.9	68.0	57.7	47.5	46.1	<40	<40	<40
12	67.7	67.3	67.5	67.4	67.3	67.6	67.7	67.9	68.0	68.0	68.1	57.8	47.1	45.9	<40	<40	<40
11	67.9	67.4	67.7	67.6	67.5	67.8	67.9	68.0	68.1	68.2	68.3	58.0	46.7	45.6	<40	<40	<40
10	68.1	67.7	67.9	67.8	67.7	68.0	68.1	68.2	68.3	68.4	68.5	58.1	46.3	45.3	<40	<40	<40
9	68.3	67.9	68.1	67.9	67.8	68.2	68.3	68.4	68.5	68.6	68.7	58.3	46.0	44.9	<40	<40	<40
8	68.5	68.1	68.3	68.1	68.1	68.4	68.5	68.6	68.7	68.8	68.9	58.4	45.6	44.6	<40	<40	<40
7	68.8	68.3	68.5	68.4	68.3	68.6	68.7	68.8	68.9	69.0	69.1	58.6	45.1	44.2	<40	<40	<40
6	69.0	68.5	68.7	68.5	68.4	68.8	68.9	69.0	69.1	69.2	69.3	58.8	44.7	43.9	<40	<40	<40
5	69.2	68.7	68.9	68.6	68.4	69.0	69.1	69.3	69.3	69.4	69.6	59.0	44.4	43.6	<40	<40	<40
4	69.5	68.8	68.8	68.3	67.6	68.8	69.2	69.4	69.6	69.6	69.8	59.2	44.0	43.4	<40	<40	<40
3	69.4	68.0	67.3	66.2	65.0	67.4	68.6	69.2	69.6	69.8	70.0	59.4	43.7	43.0	<40	<40	<40
2	67.0	63.5	63.0	62.0	61.1	63.2	64.7	66.2	67.9	69.2	70.1	59.6	43.3	42.6	<40	<40	<40
1	59.7	57.1	56.8	56.0	55.3	56.8	58.0	59.0	60.3	61.8	65.1	57.6	43.2	42.3	<40	<40	<40
Max	69.5	68.8	68.9	68.6	68.4	69.0	69.2	69.4	69.6	69.8	70.1	59.6	49.5	47.7	<40	<40	<40
Min	59.7	57.1	56.8	56.0	55.3	56.8	58.0	59.0	60.3	61.8	65.1	56.2	43.2	42.3	<40	<40	<40

Floor	R714a	R715a	R716a	R716b	R717a	R717b	R718a	R718b	R718c
39									
38									
37									
36									
35									
34									
33									
32	<40	<40	<40	<40	<40	45.6	51.6	53.6	61.1
31	<40	<40	<40	<40	<40	45.7	51.7	53.7	61.1
30	<40	<40	<40	<40	<40	45.9	51.8	53.8	61.1
29	<40	<40	<40	<40	<40	46.0	52.0	53.9	61.1
28	<40	<40	<40	<40	<40	46.1	52.1	54.0	61.2
27	<40	<40	<40	<40	<40	46.2	52.2	54.1	61.2
26	<40	<40	<40	<40	<40	46.3	52.3	54.2	61.2
25	<40	<40	<40	<40	<40	46.5	52.4	54.4	61.2
24	<40	<40	<40	<40	<40	46.6	52.5	54.5	61.2
23	<40	<40	<40	<40	<40	46.7	52.7	54.6	61.2
22	<40	<40	<40	<40	<40	46.9	52.8	54.7	61.2
21	<40	<40	<40	<40	<40	47.0	52.9	54.9	61.1
20	<40	<40	<40	<40	<40	47.2	53.0	55.0	61.1
19	<40	<40	<40	<40	<40	47.3	53.2	55.1	61.1
18	<40	<40	<40	<40	<40	47.5	53.4	55.2	61.0
17	<40	<40	<40	<40	<40	47.7	53.5	55.4	60.9
16	<40	<40	<40	<40	<40	47.8	53.6	55.5	60.8
15	<40	<40	<40	<40	<40	48.0	53.8	55.7	60.8
14	<40	<40	<40	<40	<40	48.1	53.9	55.8	60.6
13	<40	<40	<40	<40	<40	48.3	54.1	56.0	60.5
12	<40	<40	<40	<40	<40	48.5	54.3	56.1	60.3
11	<40	<40	<40	<40	<40	48.8	54.5	56.3	60.2
10	<40	<40	<40	<40	<40	49.0	54.6	56.5	60.1
9	<40	<40	<40	<40	<40	49.2	54.8	56.6	60.0
8	<40	<40	<40	<40	<40	49.4	55.0	56.8	59.8
7	<40	<40	<40	<40	<40	49.6	55.2	56.9	59.7
6	<40	<40	<40	<40	<40	49.9	55.4	57.1	59.6
5	<40	<40	<40	<40	<40	50.2	55.5	57.2	59.6
4	<40	<40	<40	<40	<40	50.3	55.6	57.1	59.1
3	<40	<40	<40	<40	<40	49.9	54.6	55.9	58.4
2	<40	<40	<40	<40	<40	44.9	49.3	53.5	57.8
1	<40	<40	<40	<40	<40	<40	42.7	52.2	57.4
Max	<40	<40	<40	<40	<40	50.3	55.6	57.2	61.2
Min	<40	<40	<40	<40	<40	<40	42.7	52.2	57.4

Floor	R101max	R102max	R103max	R104max	R105max	R106max	R107max	R108max	R109max	R201max	R202max	R203max	R204max	R205max	R206max	R207max	R208max	R209max
39																		
38																		
37										61.0	61.7	61.2	60.3	59.0	61.6	62.6	62.0	62.5
36										61.0	61.7	61.2	60.3	59.0	61.6	62.7	62.1	62.6
35										61.0	61.6	61.2	60.2	58.9	61.7	62.7	62.1	62.6
34										61.0	61.6	61.2	60.2	58.9	61.7	62.8	62.1	62.6
33										61.0	61.6	61.2	60.2	58.9	61.7	62.8	62.2	62.6
32										60.9	61.6	61.1	60.2	58.9	61.7	62.8	62.2	62.7
31										60.9	61.6	61.1	60.1	58.8	61.7	62.9	62.3	62.7
30										60.9	61.5	61.1	60.1	58.8	61.7	62.9	62.3	62.8
29	61.1	63.0	63.5	65.4	61.5	61.4	61.2	61.2	61.4	60.8	61.5	61.0	60.1	58.8	61.7	62.9	62.4	62.8
28	61.1	63.0	63.5	65.5	61.6	61.4	61.2	61.3	61.4	60.8	61.5	61.0	60.0	58.7	61.8	62.9	62.4	62.9
27	61.1	63.0	63.6	65.5	61.7	61.5	61.3	61.3	61.5	60.7	61.4	60.9	60.0	58.7	61.8	62.9	62.4	62.9
26	61.1	63.1	63.6	65.6	61.8	61.6	61.4	61.4	61.5	60.6	61.3	60.9	59.9	58.6	61.8	63.0	62.5	63.0
25	61.0	63.1	63.7	65.7	61.9	61.7	61.5	61.5	61.6	60.6	61.2	60.8	59.8	58.6	61.8	63.0	62.5	63.0
24	61.0	63.1	63.7	65.8	62.0	61.8	61.5	61.5	61.6	60.5	61.2	60.7	59.7	58.5	61.8	63.1	62.6	63.0
23	60.9	63.1	63.8	65.9	62.1	61.9	61.6	61.6	61.7	60.4	61.1	60.6	59.6	58.4	61.8	63.1	62.6	63.1
22	60.9	63.1	63.8	66.0	62.2	62.0	61.7	61.7	61.7	60.3	60.9	60.4	59.5	58.3	61.8	63.1	62.7	63.2
21	60.8	63.1	63.9	66.1	62.3	62.1	61.8	61.7	61.7	60.1	60.8	60.3	59.4	58.2	61.7	63.1	62.7	63.2
20	60.7	63.1	63.9	66.2	62.4	62.2	61.8	61.8	61.8	60.0	60.7	60.2	59.2	58.1	61.7	63.2	62.8	63.3
19	60.6	63.0	64.0	66.3	62.5	62.3	61.9	61.8	61.8	59.8	60.5	59.9	59.0	57.9	61.7	63.2	62.8	63.3
18	60.4	63.0	64.0	66.4	62.6	62.4	62.0	61.9	61.8	59.6	60.3	59.7	58.8	57.7	61.7	63.2	62.9	63.4
17	60.3	63.0	64.0	66.5	62.7	62.5	62.0	62.0	61.9	59.4	60.1	59.5	58.6	57.6	61.6	63.2	62.9	63.5
16	60.1	63.0	64.1	66.6	62.8	62.6	62.1	62.0	61.9	59.2	59.9	59.3	58.3	57.3	61.6	63.2	63.0	63.5
15	59.9	62.9	64.2	66.8	62.9	62.7	62.2	62.1	61.9	59.0	59.6	59.0	58.1	57.1	61.5	63.3	63.0	63.6
14	59.7	62.9	64.2	66.9	63.1	62.8	62.3	62.2	62.0	58.7	59.4	58.7	57.8	56.9	61.4	63.3	63.1	63.7
13	59.5	62.8	64.3	67.0	63.2	62.9	62.4	62.2	62.1	58.5	59.1	58.4	57.5	56.6	61.3	63.3	63.1	63.7
12	59.3	62.8	64.3	67.1	63.3	63.0	62.5	62.3	62.1	58.3	58.9	58.1	57.2	56.3	61.2	63.3	63.1	63.8
11	58.9	62.7	64.4	67.3	63.4	63.1	62.6	62.4	62.2	58.1	58.6	57.8	56.8	56.0	61.1	63.3	63.2	63.8
10	58.6	62.7	64.5	67.4	63.6	63.2	62.7	62.5	62.2	57.8	58.3	57.4	56.4	55.6	61.0	63.2	63.1	63.9
9	58.2	62.6	64.6	67.5	63.7	63.3	62.8	62.6	62.3	57.5	58.0	57.1	56.1	55.3	60.8	63.2	63.1	63.9
8	57.8	62.5	64.6	67.7	63.8	63.5	62.9	62.6	62.4	57.3	57.7	56.7	55.8	55.0	60.7	63.2	63.1	63.9
7	57.5	62.4	64.7	67.8	64.0	63.6	63.0	62.7	62.4	57.0	57.4	56.4	55.5	54.7	60.7	63.1	63.1	63.8
6	57.2	62.2	64.8	68.0	64.1	63.7	63.1	62.8	62.4	56.8	57.2	56.2	55.2	54.4	60.6	63.1	63.1	63.8
5	56.8	62.0	64.8	68.1	64.2	63.8	63.2	62.8	62.4	56.6	56.9	55.8	54.9	54.0	60.5	63.1	63.1	63.8
4	56.4	61.8	64.8	68.2	64.3	63.9	63.1	62.8	62.4	56.4	56.7	55.4	54.5	53.6	60.4	63.1	63.1	63.8
3	55.9	61.5	64.7	68.4	64.3	63.8	63.0	62.7	62.4	56.2	56.4	55.1	54.1	53.2	60.4	63.2	63.2	63.8
2	55.5	61.4	64.0	68.5	64.1	63.6	63.0	62.7	62.4	56.0	56.2	54.8	53.8	52.9	60.4	63.2	63.2	63.9
1	54.9	61.3	63.5	68.4	63.7	63.4	62.7	62.4	61.9	55.9	55.9	54.5	53.4	52.5	60.3	63.2	63.2	63.9
Max	61.1	63.1	64.8	68.5	64.3	63.9	63.2	62.8	62.4	61.0	61.7	61.2	60.3	59.0	61.8	63.3	63.2	63.9
Min	54.9	61.3	63.5	65.4	61.5	61.4	61.2	61.2	61.4	55.9	55.9	54.5	53.4	52.5	60.3	62.6	62.0	62.5

Total Flats	3457
Exceedance	0
Compliance Rate	100.0%

Floor	R210max	R211max	R212max	R213max	R214max	R215max	R216max	R217max	R218max	R301max	R302max	R303max	R304max	R305max	R306max	R307max	R308max	R401max
39										63.5	63.0	62.9	62.9	62.7	62.6	55.6	61.7	62.4
38										63.5	63.0	62.9	62.9	62.7	62.5	55.6	61.6	62.4
37	62.8	55.9	<40	<40	<40	<40	<40	51.9	55.9	63.5	63.0	62.9	62.8	62.6	62.5	55.7	61.6	62.4
36	62.8	56.0	<40	<40	<40	<40	<40	51.9	55.9	63.4	62.9	62.8	62.8	62.6	62.4	55.7	61.6	62.4
35	62.9	56.0	<40	<40	<40	<40	<40	52.0	56.0	63.3	62.9	62.8	62.7	62.6	62.4	55.8	61.5	62.4
34	62.9	56.1	<40	<40	<40	<40	<40	52.1	56.0	63.3	62.8	62.7	62.6	62.5	62.3	55.8	61.4	62.4
33	63.0	56.2	<40	<40	<40	<40	<40	52.1	56.1	63.2	62.7	62.6	62.6	62.4	62.3	55.8	61.3	62.4
32	63.0	56.3	<40	<40	<40	<40	<40	52.2	56.1	63.1	62.6	62.6	62.5	62.3	62.2	55.9	61.2	62.4
31	63.0	56.4	<40	<40	<40	<40	<40	52.3	56.2	63.0	62.5	62.4	62.4	62.2	62.1	56.0	61.1	62.4
30	63.1	56.4	<40	<40	<40	<40	<40	52.3	56.3	62.9	62.4	62.3	62.3	62.1	62.0	56.0	61.0	62.3
29	63.2	56.5	<40	<40	<40	<40	<40	52.4	56.3	62.8	62.3	62.2	62.1	61.9	61.8	56.1	60.9	62.3
28	63.2	56.6	<40	<40	<40	<40	<40	52.5	56.4	62.6	62.1	62.0	62.0	61.8	61.7	56.1	60.7	62.2
27	63.2	56.7	<40	<40	<40	<40	<40	52.6	56.5	62.4	61.9	61.8	61.8	61.6	61.5	56.2	60.5	62.1
26	63.3	56.8	<40	<40	<40	<40	<40	52.7	56.6	62.2	61.7	61.6	61.6	61.4	61.3	56.2	60.3	62.0
25	63.4	56.9	<40	<40	<40	<40	<40	52.7	56.7	61.9	61.4	61.4	61.3	61.2	61.1	56.3	60.0	61.9
24	63.5	57.0	<40	<40	<40	<40	<40	52.8	56.7	61.6	61.2	61.1	61.1	60.9	60.8	56.3	59.7	61.7
23	63.5	57.1	<40	<40	<40	<40	<40	52.9	56.8	61.3	60.8	60.8	60.8	60.6	60.6	56.3	59.4	61.5
22	63.6	57.2	<40	<40	<40	<40	<40	53.0	56.9	61.0	60.6	60.5	60.5	60.3	60.3	56.4	59.1	61.2
21	63.7	57.2	<40	<40	<40	<40	<40	53.1	57.0	60.7	60.3	60.2	60.2	60.0	60.0	56.5	58.8	60.9
20	63.7	57.3	<40	<40	<40	<40	<40	53.2	57.1	60.4	60.0	60.0	59.9	59.8	59.8	56.5	58.5	60.5
19	63.8	57.5	<40	<40	<40	<40	<40	53.3	57.2	60.1	59.7	59.6	59.6	59.5	59.5	56.5	58.1	60.2
18	63.9	57.6	<40	<40	<40	<40	<40	53.4	57.2	59.7	59.3	59.3	59.3	59.1	59.2	56.6	57.8	59.9
17	64.0	57.7	<40	<40	<40	<40	<40	53.5	57.3	59.4	59.0	59.0	59.0	58.8	58.9	56.6	57.4	59.5
16	64.1	57.8	<40	<40	<40	<40	<40	53.6	57.4	59.0	58.6	58.6	58.6	58.5	58.5	56.7	57.1	59.1
15	64.2	57.9	<40	<40	<40	<40	<40	53.7	57.5	58.6	58.2	58.2	58.2	58.1	58.2	56.7	56.7	58.8
14	64.3	58.0	<40	<40	<40	<40	<40	53.8	57.6	58.2	57.8	57.9	57.9	57.7	57.8	56.8	56.3	58.5
13	64.3	58.1	<40	<40	<40	<40	<40	53.9	57.7	57.9	57.5	57.5	57.5	57.4	57.5	56.8	56.0	58.2
12	64.4	58.2	<40	<40	<40	<40	<40	54.0	57.8	57.7	57.2	57.3	57.2	57.1	57.2	56.9	55.7	57.9
11	64.5	58.3	<40	<40	<40	<40	<40	54.1	57.8	57.4	56.9	57.0	57.0	56.9	57.0	56.9	55.4	57.7
10	64.6	58.5	<40	<40	<40	<40	<40	54.2	58.0	57.2	56.8	56.8	56.8	56.6	56.7	57.0	55.3	57.4
9	64.7	58.6	<40	<40	<40	<40	<40	54.3	58.0	57.0	56.6	56.6	56.6	56.4	56.5	57.0	55.0	57.2
8	64.7	58.7	<40	<40	<40	<40	<40	54.5	58.1	56.8	56.5	56.4	56.4	56.2	56.4	57.0	54.9	56.9
7	64.8	58.8	<40	<40	<40	<40	<40	54.6	58.2	56.5	56.2	56.3	56.3	56.1	56.4	56.8	54.6	56.1
6	64.7	59.0	<40	<40	<40	<40	<40	54.7	58.3	56.1	55.8	55.9	56.0	55.9	56.1	56.1	54.3	55.1
5	64.7	59.1	<40	<40	<40	<40	<40	54.9	58.4	55.7	55.5	55.6	55.7	55.5	55.7	54.2	53.9	54.2
4	64.6	59.2	<40	<40	<40	<40	<40	55.0	58.5	55.4	55.1	55.2	55.3	55.2	55.3	51.0	53.6	53.4
3	64.6	59.3	<40	<40	<40	<40	<40	55.1	58.5	55.1	54.8	54.9	55.0	54.9	55.0	47.2	53.3	52.9
2	64.6	59.4	<40	<40	<40	<40	<40	55.2	58.6	54.9	54.6	54.7	54.7	54.6	54.8	44.6	53.0	52.5
1	64.6	59.5	<40	<40	<40	<40	<40	55.4	58.7	54.6	54.3	54.4	54.4	54.3	54.5	43.1	52.7	52.2
Max	64.8	59.5	<40	<40	<40	<40	<40	55.4	58.7	63.5	63.0	62.9	62.9	62.7	62.6	57.0	61.7	62.4
Min	62.8	55.9	<40	<40	<40	<40	<40	51.9	55.9	54.6	54.3	54.4	54.4	54.3	54.5	43.1	52.7	52.2

Floor	R402max	R403max	R404max	R405max	R406max	R407max	R408max	R501max	R502max	R503max	R504max	R505max	R506max	R507max	R508max	R509max	R510max	R601max
39	67.2	68.3	67.4	67.3	67.2	67.1	62.0	65.9	65.7	66.0	62.2	61.2	60.5	59.9	63.5	63.2	64.6	
38	67.2	68.3	67.4	67.3	67.2	67.1	62.0	65.9	65.6	66.0	62.2	61.2	60.5	59.9	63.4	63.2	64.6	67.5
37	67.2	68.3	67.4	67.3	67.2	67.1	62.1	65.9	65.6	66.0	62.2	61.2	60.5	59.9	63.4	63.1	64.6	67.5
36	67.2	68.3	67.4	67.3	67.2	67.1	62.1	65.9	65.6	66.0	62.2	61.2	60.5	59.9	63.4	63.1	64.5	67.5
35	67.2	68.3	67.4	67.3	67.2	67.1	62.1	65.8	65.6	66.0	62.2	61.2	60.5	59.9	63.4	63.1	64.5	67.5
34	67.1	68.3	67.4	67.3	67.2	67.1	62.1	65.8	65.5	66.0	62.2	61.2	60.5	59.9	63.3	63.0	64.5	67.5
33	67.1	68.3	67.4	67.3	67.1	67.1	62.1	65.8	65.5	66.0	62.2	61.1	60.5	59.9	63.3	63.0	64.4	67.5
32	67.1	68.2	67.3	67.3	67.1	67.1	62.0	65.7	65.5	65.9	62.2	61.2	60.5	59.9	63.2	62.9	64.4	67.5
31	67.0	68.2	67.3	67.2	67.1	67.0	62.0	65.7	65.4	65.9	62.2	61.1	60.5	59.9	63.1	62.8	64.3	67.4
30	67.0	68.2	67.3	67.2	67.0	67.0	62.0	65.7	65.4	65.9	62.2	61.1	60.5	59.8	63.0	62.8	64.3	67.4
29	66.9	68.1	67.2	67.1	67.0	66.9	61.9	65.6	65.3	65.8	62.2	61.1	60.4	59.8	62.9	62.7	64.2	67.4
28	66.8	68.1	67.1	67.1	66.9	66.9	61.9	65.5	65.2	65.7	62.2	61.1	60.4	59.8	62.9	62.6	64.1	67.4
27	66.7	68.0	67.1	67.0	66.9	66.8	61.8	65.4	65.1	65.7	62.1	61.0	60.4	59.7	62.7	62.4	64.0	67.3
26	66.6	67.9	67.0	66.9	66.8	66.7	61.7	65.3	65.0	65.6	62.1	61.0	60.3	59.7	62.6	62.3	63.8	67.3
25	66.5	67.8	66.9	66.8	66.7	66.6	61.6	65.2	64.9	65.5	62.1	61.0	60.3	59.6	62.4	62.1	63.7	67.2
24	66.3	67.6	66.7	66.7	66.5	66.5	61.4	65.1	64.7	65.4	62.1	60.9	60.2	59.6	62.2	61.9	63.5	67.2
23	66.1	67.5	66.6	66.5	66.4	66.3	61.3	64.9	64.6	65.3	62.0	60.9	60.1	59.5	61.9	61.6	63.3	67.1
22	65.9	67.2	66.4	66.3	66.2	66.2	61.0	64.7	64.4	65.1	62.0	60.8	60.1	59.4	61.7	61.4	63.0	67.0
21	65.6	67.0	66.2	66.1	66.0	66.0	60.7	64.4	64.1	64.9	61.9	60.7	60.0	59.3	61.4	61.1	62.7	66.8
20	65.2	66.7	65.9	65.8	65.7	65.7	60.5	64.2	63.8	64.7	61.8	60.6	59.9	59.2	61.0	60.7	62.4	66.7
19	64.9	66.3	65.6	65.6	65.5	65.5	60.2	63.9	63.6	64.5	61.7	60.5	59.8	59.0	60.7	60.4	62.1	66.5
18	64.5	66.0	65.3	65.3	65.2	65.2	59.9	63.6	63.3	64.3	61.7	60.4	59.6	58.9	60.4	60.1	61.8	66.3
17	64.1	65.5	64.9	64.9	64.8	64.8	59.6	63.3	63.0	64.1	61.6	60.3	59.5	58.8	60.1	59.8	61.5	66.1
16	63.7	65.1	64.5	64.5	64.4	64.5	59.4	63.0	62.6	63.9	61.5	60.1	59.3	58.6	59.7	59.4	61.1	65.8
15	63.2	64.6	64.1	64.1	64.0	64.1	59.1	62.7	62.3	63.7	61.4	60.0	59.2	58.5	59.4	59.0	60.7	65.5
14	62.8	64.2	63.7	63.6	63.6	63.7	58.9	62.3	61.9	63.4	61.2	59.8	59.0	58.3	59.0	58.6	60.4	65.2
13	62.4	63.7	63.3	63.2	63.2	63.3	58.7	61.9	61.6	63.2	61.1	59.6	58.8	58.1	58.6	58.2	60.0	64.8
12	62.0	63.3	62.8	62.8	62.8	62.9	58.5	61.6	61.2	62.9	60.9	59.5	58.7	57.9	58.2	57.8	59.6	64.4
11	61.6	62.8	62.4	62.4	62.4	62.5	58.3	61.3	60.8	62.6	60.8	59.4	58.5	57.8	57.9	57.5	59.3	64.0
10	61.2	62.4	62.0	62.0	62.0	62.1	58.1	61.0	60.5	62.4	60.7	59.2	58.4	57.7	57.6	57.2	59.0	63.6
9	60.8	62.1	61.6	61.6	61.6	61.8	58.0	60.7	60.3	62.3	60.6	59.0	58.2	57.5	57.4	57.0	58.6	63.2
8	60.5	61.8	61.3	61.3	61.3	61.4	57.8	60.4	60.0	62.0	60.4	58.9	58.1	57.3	57.1	56.7	58.4	62.8
7	60.1	61.4	61.0	61.0	61.0	61.2	57.5	60.2	59.7	61.9	60.3	58.6	57.8	57.1	56.9	56.5	58.2	62.3
6	59.7	61.0	60.7	60.7	60.7	60.8	56.8	60.0	59.6	61.6	60.0	58.3	57.5	56.7	56.8	56.4	58.0	62.0
5	59.4	60.6	60.3	60.4	60.3	60.4	55.8	59.7	59.3	61.2	59.4	57.7	56.9	56.1	56.6	56.2	57.7	61.6
4	58.9	60.2	59.9	60.0	59.9	60.0	55.0	59.4	59.0	60.4	58.2	56.9	56.2	55.4	56.2	55.7	57.3	61.3
3	58.5	59.8	59.5	59.5	59.6	59.6	54.4	59.2	58.7	59.7	57.1	56.5	55.9	55.1	55.8	55.4	57.0	61.1
2	58.1	59.4	59.2	59.2	59.2	59.2	54.0	58.9	58.5	59.3	56.6	56.2	55.6	54.8	55.5	55.0	56.7	60.8
1	57.7	59.1	58.8	58.9	58.9	58.9	53.8	58.7	58.2	59.0	56.2	56.0	55.4	54.7	55.2	54.7	56.4	60.4
Max	67.2	68.3	67.4	67.3	67.2	67.1	62.1	65.9	65.7	66.0	62.2	61.2	60.5	59.9	63.5	63.2	64.6	67.5
Min	57.7	59.1	58.8	58.9	58.9	58.9	53.8	58.7	58.2	59.0	56.2	56.0	55.4	54.7	55.2	54.7	56.4	60.4

Floor	R602max	R603max	R604max	R605max	R606max	R607max	R608max	R609max	R610max	R611max	R612max	R613max	R614max	R615max	R616max	R617max	R618max	R619max
39																		
38	67.7	67.8	67.8	67.9	68.0	68.1	68.8	67.9	61.2	60.5	59.7	59.1	58.7	60.3	62.4	60.2	61.2	59.9
37	67.7	67.8	67.9	68.0	68.1	68.2	68.9	67.9	61.3	60.5	59.7	59.2	58.7	60.4	62.4	60.2	61.2	59.8
36	67.7	67.8	67.9	68.0	68.1	68.2	68.9	67.9	61.3	60.6	59.8	59.2	58.8	60.4	62.5	60.3	61.2	59.8
35	67.7	67.8	67.9	68.0	68.1	68.2	68.9	67.9	61.4	60.6	59.8	59.2	58.8	60.5	62.5	60.3	61.2	59.7
34	67.7	67.8	67.9	68.0	68.1	68.2	68.9	68.0	61.4	60.7	59.8	59.3	58.8	60.5	62.5	60.4	61.2	59.7
33	67.7	67.8	67.9	68.0	68.1	68.2	69.0	68.0	61.5	60.7	59.9	59.3	58.9	60.5	62.6	60.4	61.2	59.6
32	67.7	67.8	67.9	68.0	68.1	68.2	69.0	68.0	61.5	60.8	60.0	59.4	58.9	60.5	62.6	60.5	61.2	59.6
31	67.7	67.8	67.9	68.0	68.1	68.2	69.0	68.0	61.5	60.8	60.0	59.4	59.0	60.6	62.6	60.5	61.2	59.5
30	67.7	67.8	67.9	68.0	68.1	68.2	69.0	68.1	61.6	60.9	60.0	59.4	59.0	60.6	62.7	60.5	61.2	59.5
29	67.7	67.8	67.9	68.0	68.1	68.2	69.0	68.1	61.7	60.9	60.1	59.5	59.0	60.6	62.7	60.5	61.1	59.4
28	67.6	67.7	67.8	67.9	68.1	68.2	68.9	68.1	61.7	61.0	60.1	59.5	59.0	60.7	62.7	60.6	61.1	59.3
27	67.6	67.7	67.8	67.9	68.0	68.2	68.9	68.1	61.7	61.0	60.1	59.5	59.1	60.7	62.7	60.6	61.1	59.2
26	67.6	67.7	67.8	67.9	68.0	68.1	68.9	68.0	61.8	61.1	60.2	59.6	59.1	60.7	62.7	60.6	61.0	59.1
25	67.5	67.6	67.7	67.8	68.0	68.1	68.8	68.0	61.8	61.1	60.2	59.6	59.2	60.7	62.7	60.7	60.9	59.0
24	67.4	67.5	67.7	67.8	67.9	68.0	68.7	67.9	61.8	61.2	60.3	59.6	59.2	60.8	62.8	60.7	60.8	58.9
23	67.4	67.5	67.6	67.7	67.8	68.0	68.7	67.9	61.9	61.2	60.3	59.7	59.2	60.7	62.7	60.7	60.7	58.7
22	67.3	67.4	67.5	67.6	67.8	67.9	68.6	67.8	61.9	61.2	60.3	59.7	59.2	60.8	62.7	60.7	60.6	58.5
21	67.1	67.3	67.4	67.5	67.7	67.8	68.5	67.8	61.9	61.3	60.4	59.7	59.2	60.8	62.7	60.7	60.5	58.3
20	67.0	67.1	67.2	67.4	67.5	67.7	68.5	67.7	62.0	61.3	60.4	59.7	59.2	60.7	62.7	60.7	60.4	58.1
19	66.8	66.9	67.1	67.2	67.4	67.5	68.3	67.6	62.0	61.4	60.4	59.7	59.3	60.7	62.7	60.7	60.3	57.9
18	66.6	66.7	66.9	67.0	67.2	67.3	68.2	67.5	62.0	61.4	60.4	59.7	59.2	60.7	62.6	60.7	60.2	57.6
17	66.4	66.5	66.6	66.8	67.0	67.1	68.0	67.4	62.0	61.4	60.4	59.7	59.2	60.7	62.5	60.7	60.1	57.3
16	66.1	66.2	66.4	66.5	66.7	66.8	67.8	67.2	62.0	61.4	60.4	59.7	59.2	60.6	62.5	60.6	60.0	57.1
15	65.8	65.9	66.0	66.2	66.4	66.5	67.5	67.0	62.0	61.4	60.4	59.6	59.2	60.5	62.4	60.6	59.9	56.8
14	65.4	65.6	65.7	65.8	66.0	66.1	67.2	66.8	62.0	61.4	60.3	59.6	59.1	60.4	62.2	60.6	59.8	56.5
13	65.1	65.2	65.3	65.4	65.6	65.7	66.9	66.6	62.0	61.4	60.3	59.5	59.0	60.3	62.1	60.4	59.7	56.2
12	64.6	64.7	64.8	65.0	65.1	65.3	66.6	66.3	61.9	61.4	60.2	59.4	58.8	60.1	62.0	60.4	59.6	55.9
11	64.2	64.3	64.4	64.6	64.7	64.8	66.2	66.0	61.9	61.3	60.1	59.2	58.6	60.0	61.8	60.2	59.3	55.6
10	63.8	63.9	64.0	64.1	64.3	64.4	65.9	65.8	61.9	61.3	60.0	58.9	58.3	59.7	61.6	60.0	59.2	55.2
9	63.4	63.5	63.5	63.7	63.8	63.9	65.5	65.5	61.9	61.3	59.7	58.6	58.0	59.4	61.3	59.8	58.9	54.8
8	62.9	63.0	63.1	63.2	63.3	63.4	65.2	65.3	61.8	61.1	59.4	58.2	57.8	59.2	61.1	59.6	58.8	54.5
7	62.5	62.6	62.6	62.8	62.9	62.9	64.9	65.0	61.8	60.9	59.0	57.9	57.6	58.9	60.8	59.4	58.7	54.2
6	62.1	62.2	62.3	62.4	62.5	62.6	64.7	64.8	61.8	60.7	58.7	57.7	57.5	58.8	60.7	59.3	58.6	54.0
5	61.8	61.8	61.9	62.0	62.1	62.2	64.5	64.6	61.7	60.4	58.5	57.6	57.4	58.7	60.5	59.2	58.5	53.7
4	61.4	61.5	61.6	61.7	61.7	61.8	64.3	64.5	61.6	60.1	58.2	57.6	57.4	58.7	60.5	59.2	58.5	53.6
3	61.2	61.3	61.3	61.4	61.4	61.5	64.1	64.4	61.3	59.7	57.9	57.4	57.3	58.6	60.4	59.2	58.5	53.4
2	60.9	60.9	61.0	61.0	61.1	61.1	63.9	64.2	61.0	59.2	57.5	57.3	57.2	58.6	60.4	59.2	58.5	53.4
1	60.5	60.6	60.6	60.7	60.7	60.8	63.8	64.0	60.7	58.6	57.2	57.2	57.2	58.5	60.3	59.1	58.4	53.2
Max	67.7	67.8	67.9	68.0	68.1	68.2	69.0	68.1	62.0	61.4	60.4	59.7	59.3	60.8	62.8	60.7	61.2	59.9
Min	60.5	60.6	60.6	60.7	60.7	60.8	63.8	64.0	60.7	58.6	57.2	57.2	57.2	58.5	60.3	59.1	58.4	53.2

Floor	R620max	R621max	R701max	R702max	R703max	R704max	R705max	R706max	R707max	R708max	R709max	R710max	R711max	R712max	R713max	R714max	R715max	R716max
39																		
38	60.3	63.8																
37	60.2	63.8																
36	60.2	63.8																
35	60.2	63.8																
34	60.1	63.7																
33	60.0	63.7																
32	60.0	63.7	67.6	67.5	67.1	66.7	67.0	68.3	66.0	64.8	65.3	65.8	56.2	47.7	<40	<40	<40	<40
31	59.9	63.6	67.6	67.5	67.1	66.7	67.0	68.3	66.1	64.9	65.4	65.9	56.3	47.7	<40	<40	<40	<40
30	59.8	63.6	67.6	67.6	67.1	66.7	67.0	68.4	66.2	65.0	65.5	66.0	56.3	47.7	<40	<40	<40	<40
29	59.8	63.5	67.6	67.6	67.2	66.7	67.0	68.4	66.2	65.1	65.6	66.1	56.4	47.7	<40	<40	<40	<40
28	59.7	63.5	67.6	67.6	67.1	66.7	67.0	68.5	66.4	65.2	65.7	66.2	56.5	47.6	<40	<40	<40	<40
27	59.6	63.4	67.6	67.6	67.1	66.7	67.0	68.5	66.4	65.3	65.8	66.3	56.5	47.6	<40	<40	<40	<40
26	59.5	63.3	67.6	67.6	67.1	66.7	67.0	68.5	66.5	65.5	65.9	66.4	56.6	47.6	<40	<40	<40	<40
25	59.3	63.2	67.6	67.6	67.1	66.6	67.0	68.6	66.6	65.6	66.0	66.5	56.7	47.5	<40	<40	<40	<40
24	59.2	63.1	67.6	67.5	67.1	66.6	67.0	68.6	66.7	65.7	66.2	66.6	56.8	47.5	<40	<40	<40	<40
23	59.1	63.0	67.5	67.5	67.1	66.6	66.9	68.7	66.8	65.8	66.3	66.7	56.9	47.4	<40	<40	<40	<40
22	58.9	62.9	67.4	67.4	67.0	66.5	66.9	68.7	66.9	66.0	66.4	66.8	56.9	47.3	<40	<40	<40	<40
21	58.7	62.7	67.3	67.3	67.0	66.4	66.8	68.7	67.1	66.1	66.6	66.9	57.0	47.3	<40	<40	<40	<40
20	58.5	62.6	67.3	67.2	66.9	66.4	66.8	68.7	67.2	66.2	66.6	67.0	57.1	47.2	<40	<40	<40	<40
19	58.2	62.4	67.2	67.2	66.8	66.3	66.7	68.8	67.3	66.3	66.8	67.2	57.2	47.0	<40	<40	<40	<40
18	57.9	62.1	67.1	67.1	66.7	66.1	66.6	68.8	67.4	66.5	66.9	67.3	57.2	46.9	<40	<40	<40	<40
17	57.6	61.9	67.0	66.9	66.6	66.0	66.4	68.8	67.6	66.7	67.1	67.4	57.3	46.8	<40	<40	<40	<40
16	57.4	61.6	66.8	66.8	66.4	65.8	66.3	68.8	67.7	66.8	67.2	67.5	57.4	46.6	<40	<40	<40	<40
15	57.1	61.4	66.6	66.6	66.3	65.5	66.1	68.8	67.8	67.0	67.4	67.7	57.5	46.5	<40	<40	<40	<40
14	56.9	61.1	66.4	66.4	66.0	65.3	65.8	68.7	68.0	67.1	67.5	67.8	57.6	46.3	<40	<40	<40	<40
13	56.5	60.7	66.1	66.1	65.8	64.9	65.5	68.7	68.1	67.3	67.7	68.0	57.7	46.1	<40	<40	<40	<40
12	56.2	60.4	65.8	65.8	65.5	64.5	65.2	68.7	68.3	67.5	67.9	68.1	57.8	45.9	<40	<40	<40	<40
11	56.0	60.0	65.6	65.6	65.2	64.2	64.9	68.7	68.5	67.7	68.0	68.3	58.0	45.6	<40	<40	<40	<40
10	55.6	59.6	65.3	65.3	64.9	63.8	64.6	68.7	68.6	67.9	68.2	68.5	58.1	45.3	<40	<40	<40	<40
9	55.2	59.3	65.0	65.0	64.7	63.4	64.3	68.8	68.8	68.1	68.4	68.7	58.3	44.9	<40	<40	<40	<40
8	54.9	58.9	64.8	64.8	64.4	63.0	64.0	68.8	69.0	68.3	68.6	68.9	58.4	44.6	<40	<40	<40	<40
7	54.6	58.5	64.5	64.6	64.2	62.7	63.7	68.9	69.3	68.5	68.8	69.1	58.6	44.2	<40	<40	<40	<40
6	54.4	58.2	64.4	64.4	64.0	62.3	63.5	69.0	69.5	68.7	69.0	69.3	58.8	43.9	<40	<40	<40	<40
5	54.1	57.8	64.2	64.3	63.8	62.0	63.3	69.2	69.7	68.9	69.3	69.6	59.0	43.6	<40	<40	<40	<40
4	54.0	57.6	64.1	64.1	63.6	61.7	63.1	69.3	70.0	68.8	69.4	69.8	59.2	43.4	<40	<40	<40	<40
3	53.9	57.4	64.0	64.0	63.4	61.4	62.9	69.3	70.2	68.0	69.2	70.0	59.4	43.0	<40	<40	<40	<40
2	53.8	57.2	63.8	63.9	63.2	60.9	62.7	69.5	70.3	63.5	66.2	70.1	59.6	42.6	<40	<40	<40	<40
1	53.5	56.8	63.2	63.7	63.1	59.8	61.2	69.6	66.3	57.1	59.0	65.1	57.6	42.3	<40	<40	<40	<40
Max	60.3	63.8	67.6	67.6	67.2	66.7	67.0	69.6	70.3	68.9	69.4	70.1	59.6	47.7	<40	<40	<40	<40
Min	53.5	56.8	63.2	63.7	63.1	59.8	61.2	68.3	66.0	57.1	59.0	65.1	56.2	42.3	<40	<40	<40	<40

Floor	R717max	R718max
39		
38		
37		
36		
35		
34		
33		
32	45.6	61.1
31	45.7	61.1
30	45.9	61.1
29	46.0	61.1
28	46.1	61.2
27	46.2	61.2
26	46.3	61.2
25	46.5	61.2
24	46.6	61.2
23	46.7	61.2
22	46.9	61.2
21	47.0	61.1
20	47.2	61.1
19	47.3	61.1
18	47.5	61.0
17	47.7	60.9
16	47.8	60.8
15	48.0	60.8
14	48.1	60.6
13	48.3	60.5
12	48.5	60.3
11	48.8	60.2
10	49.0	60.1
9	49.2	60.0
8	49.4	59.8
7	49.6	59.7
6	49.9	59.6
5	50.2	59.6
4	50.3	59.1
3	49.9	58.4
2	44.9	57.8
1	<40	57.4
Max	50.3	61.2
Min	<40	57.4

Floor	R101a	R101b	R101c	R101d	R101e	R101f	R101g	R102a	R102b	R103a	R103b	R103c	R103d	R103e	R104a	R104b	R104c
39																	
38																	
37	60.9	59.8	60.6	60.6	61.1	61.4	62.7	63.1	62.9	64.8	64.3	64.4	62.6	61.3	61.0	60.8	60.7
36	60.9	59.7	60.6	60.6	61.1	61.4	62.8	63.1	63.0	64.8	64.4	64.4	62.6	61.3	61.1	60.9	60.8
35	61.0	59.7	60.6	60.6	61.1	61.4	62.8	63.2	63.0	64.9	64.4	64.5	62.7	61.4	61.1	60.9	60.9
34	61.1	59.7	60.6	60.6	61.1	61.4	62.8	63.2	63.1	64.9	64.5	64.6	62.8	61.5	61.2	61.0	60.9
33	61.1	59.7	60.6	60.6	61.1	61.4	62.8	63.3	63.1	65.0	64.6	64.7	62.9	61.6	61.3	61.1	61.0
32	61.2	59.7	60.6	60.6	61.1	61.4	62.9	63.3	63.2	65.1	64.7	64.7	63.0	61.7	61.4	61.2	61.1
31	61.2	59.7	60.6	60.6	61.1	61.4	62.9	63.4	63.2	65.2	64.8	64.8	63.0	61.7	61.4	61.2	61.2
30	61.3	59.7	60.6	60.6	61.1	61.4	62.9	63.4	63.3	65.2	64.9	64.9	63.1	61.8	61.5	61.3	61.3
29																	
28																	
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2																	
1																	
Max	61.3	59.8	60.6	60.6	61.1	61.4	62.9	63.4	63.3	65.2	64.9	64.9	63.1	61.8	61.5	61.3	61.3
Min	60.9	59.7	60.6	60.6	61.1	61.4	62.7	63.1	62.9	64.8	64.3	64.4	62.6	61.3	61.0	60.8	60.7

Total Flats	3457
Exceedance	0
Compliance Rate	100.0%

Floor	R104d	R104e	R105a	R105b	R105c	R105d	R701a	R702a	R702b	R702c	R703a	R703b	R703c	R704a	R704b	R704c	R705a
39																	
38							<40	67.4	67.3	67.2	67.0	66.9	66.7	66.5	66.5	66.6	66.6
37	60.4	60.6	60.5	60.6	60.5	61.0	<40	67.4	67.3	67.2	67.0	66.9	66.8	66.5	66.5	66.6	66.7
36	60.5	60.6	60.6	60.7	60.6	61.1	<40	67.4	67.3	67.2	67.0	66.9	66.8	66.5	66.6	66.6	66.7
35	60.6	60.7	60.6	60.7	60.7	61.1	<40	67.5	67.4	67.2	67.0	67.0	66.8	66.6	66.6	66.6	66.7
34	60.7	60.8	60.7	60.8	60.7	61.1	<40	67.5	67.4	67.3	67.1	67.0	66.8	66.6	66.6	66.7	66.7
33	60.8	60.8	60.7	60.9	60.8	61.2	<40	67.5	67.4	67.3	67.1	67.0	66.9	66.6	66.6	66.7	66.8
32	60.8	60.9	60.8	60.9	60.8	61.3											
31	60.9	61.0	60.9	61.0	60.9	61.3											
30	61.0	61.0	61.0	61.1	61.0	61.4											
29																	
28																	
27																	
26																	
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7																	
6																	
5																	
4																	
3																	
2																	
1																	
Max	61.0	61.0	61.0	61.1	61.0	61.4	<40	67.5	67.4	67.3	67.1	67.0	66.9	66.6	66.6	66.7	66.8
Min	60.4	60.6	60.5	60.6	60.5	61.0	<40	67.4	67.3	67.2	67.0	66.9	66.7	66.5	66.5	66.6	66.6

Floor	R705b	R706a	R706b	R706c	R707a	R707b	R707c	R708a	R708b	R708c	R708d	R709a	R709b	R709c	R710a	R710b	R710c
39																	
38	66.8	67.0	67.6	68.1	65.8	64.8	64.7	64.5	64.4	64.3	64.2	64.4	64.7	64.9	65.1	65.2	65.4
37	66.8	67.0	67.6	68.1	65.7	64.8	64.6	64.5	64.4	64.3	64.3	64.5	64.7	64.9	65.1	65.2	65.4
36	66.9	67.0	67.7	68.1	65.7	64.8	64.6	64.5	64.4	64.4	64.3	64.5	64.8	65.0	65.2	65.3	65.5
35	66.9	67.0	67.7	68.1	65.8	64.8	64.7	64.6	64.5	64.4	64.4	64.6	64.8	65.0	65.2	65.3	65.5
34	66.9	67.1	67.7	68.2	65.8	64.9	64.8	64.6	64.6	64.5	64.4	64.7	64.9	65.1	65.3	65.4	65.6
33	67.0	67.1	67.8	68.2	65.9	65.0	64.8	64.7	64.7	64.6	64.5	64.8	65.0	65.2	65.4	65.5	65.7
32																	
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1																	
Max	67.0	67.1	67.8	68.2	65.9	65.0	64.8	64.7	64.7	64.6	64.5	64.8	65.0	65.2	65.4	65.5	65.7
Min	66.8	67.0	67.6	68.1	65.7	64.8	64.6	64.5	64.4	64.3	64.2	64.4	64.7	64.9	65.1	65.2	65.4

Floor	R711a	R711b	R712a	R712b	R713a	R713b	R714a	R715a	R715b	R715c	R716a	R716b	R717a	R717b	R717c
39															
38	55.8	49.8	48.1	41.3	<40	<40	<40	<40	<40	<40	<40	45.6	51.2	53.1	60.9
37	55.9	49.8	48.0	40.6	<40	<40	<40	<40	<40	<40	<40	45.4	51.2	53.1	60.9
36	55.9	49.7	47.9	40.2	<40	<40	<40	<40	<40	<40	<40	45.4	51.2	53.2	61.0
35	56.0	49.6	47.9	<40	<40	<40	<40	<40	<40	<40	<40	45.4	51.3	53.3	61.0
34	56.0	49.6	47.8	<40	<40	<40	<40	<40	<40	<40	<40	45.4	51.4	53.4	61.0
33	56.1	49.5	47.8	<40	<40	<40	<40	<40	<40	<40	<40	45.5	51.5	53.5	61.0
32															
31															
30															
29															
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3															
2															
1															
Max	56.1	49.8	48.1	41.3	<40	<40	<40	<40	<40	<40	<40	45.6	51.5	53.5	61.0
Min	55.8	49.5	47.8	<40	<40	<40	<40	<40	<40	<40	<40	45.4	51.2	53.1	60.9

Floor	R101max	R102max	R103max	R104max	R105max	R701max	R702max	R703max	R704max	R705max	R706max	R707max	R708max	R709max	R710max	R711max	R712max	R713max
39																		
38						<40	67.4	67.0	66.6	66.8	68.1	65.8	64.5	64.9	65.4	55.8	48.1	<40
37	62.7	63.1	64.8	61.0	61.0	<40	67.4	67.0	66.6	66.8	68.1	65.7	64.5	64.9	65.4	55.9	48.0	<40
36	62.8	63.1	64.8	61.1	61.1	<40	67.4	67.0	66.6	66.9	68.1	65.7	64.5	65.0	65.5	55.9	47.9	<40
35	62.8	63.2	64.9	61.1	61.1	<40	67.5	67.0	66.6	66.9	68.1	65.8	64.6	65.0	65.5	56.0	47.9	<40
34	62.8	63.2	64.9	61.2	61.1	<40	67.5	67.1	66.7	66.9	68.2	65.8	64.6	65.1	65.6	56.0	47.8	<40
33	62.8	63.3	65.0	61.3	61.2	<40	67.5	67.1	66.7	67.0	68.2	65.9	64.7	65.2	65.7	56.1	47.8	<40
32	62.9	63.3	65.1	61.4	61.3													
31	62.9	63.4	65.2	61.4	61.3													
30	62.9	63.4	65.2	61.5	61.4													
29																		
28																		
27																		
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Max	62.9	63.4	65.2	61.5	61.4	<40	67.5	67.1	66.7	67.0	68.2	65.9	64.7	65.2	65.7	56.1	48.1	<40
Min	62.7	63.1	64.8	61.0	61.0	<40	67.4	67.0	66.6	66.8	68.1	65.7	64.5	64.9	65.4	55.8	47.8	<40

Total Flats	3457
Exceedance	0
Compliance Rate	100.0%

Floor	R714max	R715max	R716max	R717max
39				
38	<40	<40	<40	45.6
37	<40	<40	<40	45.4
36	<40	<40	<40	45.4
35	<40	<40	<40	45.4
34	<40	<40	<40	45.4
33	<40	<40	<40	45.5
32				
31				
30				
29				
28				
27				
26				
25				
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6				
5				
4				
3				
2				
1				
Max	<40	<40	<40	45.6
Min	<40	<40	<40	45.4

Appendix 4.3

Predicted Road Traffic Noise Levels (Base Case - Scenario B)

Floor	R101a	R101b	R101c	R102a	R102b	R103a	R103b	R104a	R104b	R104c	R104d	R104e	R105a	R105b	R106a	R106b	R107a
40																	
39																	
38																	
37																	
36																	
35																	
34																	
33																	
32																	
31																	
30																	
29	59.7	59.5	60.1	60.4	62.2	62.9	62.8	65.4	65.0	65.0	63.3	61.8	61.2	61.0	60.7	60.4	60.1
28	59.7	59.5	60.1	60.4	62.3	62.9	62.9	65.5	65.1	65.1	63.4	61.9	61.3	61.1	60.8	60.4	60.2
27	59.7	59.5	60.1	60.4	62.3	63.0	63.0	65.5	65.2	65.2	63.5	62.0	61.4	61.1	60.9	60.5	60.3
26	59.6	59.4	60.1	60.4	62.3	63.1	63.1	65.6	65.3	65.3	63.6	62.1	61.5	61.2	61.0	60.6	60.3
25	59.5	59.4	60.0	60.4	62.4	63.1	63.1	65.7	65.4	65.4	63.7	62.2	61.6	61.3	61.1	60.7	60.4
24	59.5	59.4	60.0	60.3	62.4	63.2	63.2	65.8	65.5	65.5	63.8	62.3	61.6	61.4	61.2	60.8	60.5
23	59.4	59.3	60.0	60.3	62.4	63.2	63.3	65.9	65.6	65.6	63.9	62.4	61.8	61.5	61.2	60.8	60.6
22	59.3	59.2	59.9	60.3	62.4	63.3	63.3	66.0	65.7	65.7	64.0	62.5	61.9	61.6	61.3	60.9	60.6
21	59.2	59.1	59.9	60.2	62.5	63.4	63.4	66.1	65.8	65.8	64.1	62.6	61.9	61.7	61.4	61.0	60.7
20	59.1	59.0	59.8	60.2	62.5	63.4	63.5	66.2	65.9	65.9	64.2	62.7	62.1	61.8	61.5	61.1	60.8
19	59.0	58.8	59.7	60.1	62.5	63.5	63.6	66.3	66.0	66.1	64.3	62.8	62.2	61.9	61.6	61.2	60.9
18	58.8	58.7	59.6	60.1	62.5	63.6	63.6	66.4	66.2	66.2	64.5	62.9	62.3	62.0	61.7	61.2	61.0
17	58.6	58.5	59.5	60.0	62.5	63.6	63.7	66.5	66.3	66.3	64.6	63.0	62.4	62.0	61.8	61.3	61.0
16	58.3	58.3	59.4	59.9	62.5	63.7	63.8	66.6	66.4	66.4	64.7	63.2	62.5	62.2	61.8	61.4	61.1
15	58.1	58.0	59.2	59.8	62.5	63.8	63.9	66.8	66.5	66.5	64.8	63.3	62.6	62.2	61.9	61.5	61.2
14	57.8	57.8	59.0	59.7	62.5	63.8	64.0	66.9	66.6	66.7	65.0	63.4	62.7	62.3	62.0	61.6	61.2
13	57.5	57.5	58.8	59.5	62.5	63.8	64.0	67.0	66.8	66.8	65.1	63.5	62.9	62.4	62.1	61.7	61.3
12	57.1	57.1	58.6	59.4	62.4	63.9	64.1	67.1	66.9	66.9	65.3	63.6	63.0	62.6	62.2	61.8	61.4
11	56.8	56.8	58.3	59.1	62.4	64.0	64.2	67.3	67.1	67.0	65.4	63.8	63.1	62.7	62.3	61.9	61.5
10	56.4	56.4	58.0	58.9	62.4	64.1	64.3	67.4	67.2	67.2	65.5	63.9	63.2	62.8	62.5	62.0	61.6
9	56.0	56.0	57.6	58.6	62.3	64.1	64.4	67.5	67.3	67.3	65.7	64.0	63.3	62.9	62.5	62.1	61.7
8	55.6	55.6	57.2	58.3	62.2	64.2	64.5	67.7	67.5	67.5	65.8	64.1	63.4	63.0	62.6	62.1	61.8
7	55.2	55.2	56.8	58.0	62.1	64.3	64.6	67.8	67.7	67.6	66.0	64.3	63.6	63.1	62.8	62.3	61.9
6	54.8	54.8	56.5	57.8	62.0	64.3	64.7	68.0	67.8	67.8	66.1	64.4	63.7	63.2	62.9	62.4	61.9
5	54.4	54.4	56.2	57.6	61.8	64.3	64.7	68.1	68.0	67.9	66.3	64.5	63.8	63.3	62.9	62.4	62.0
4	54.1	54.1	55.7	57.3	61.6	64.2	64.7	68.2	68.1	68.1	66.4	64.6	63.9	63.3	63.0	62.3	61.9
3	53.7	53.7	55.2	56.9	61.3	63.9	64.6	68.4	68.3	68.2	66.5	64.7	63.9	63.2	62.8	62.1	61.6
2	53.3	53.3	54.7	56.5	61.2	63.3	63.9	68.5	68.4	68.4	66.6	64.5	63.6	62.9	62.4	61.8	61.4
1	53.1	53.0	54.1	56.0	61.1	63.0	63.4	68.4	68.1	68.0	65.5	63.7	63.0	62.4	62.0	61.3	60.8
Max	59.7	59.5	60.1	60.4	62.5	64.3	64.7	68.5	68.4	68.4	66.6	64.7	63.9	63.3	63.0	62.4	62.0
Min	53.1	53.0	54.1	56.0	61.1	62.9	62.8	65.4	65.0	65.0	63.3	61.8	61.2	61.0	60.7	60.4	60.1

Total Flats	7052
Exceedance	56
Compliance Rate	99.2%

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R107b	R108a	R108b	R109a	R109b	R109c	R109d	R201a	R202a	R202b	R202c	R203a	R203b	R203c	R204a	R204b	R204c
40																	
39																	
38																	
37								60.6	60.2	60.3	60.7	60.1	59.6	59.1	58.6	58.2	57.2
36								60.6	60.2	60.3	60.7	60.1	59.5	59.0	58.6	58.1	57.2
35								60.6	60.2	60.2	60.6	60.1	59.5	59.0	58.6	58.1	57.2
34								60.5	60.2	60.2	60.6	60.1	59.5	59.0	58.5	58.1	57.2
33								60.5	60.2	60.2	60.6	60.1	59.5	59.0	58.5	58.1	57.2
32								60.5	60.2	60.2	60.6	60.1	59.5	59.0	58.5	58.1	57.1
31								60.5	60.1	60.2	60.6	60.0	59.4	58.9	58.5	58.0	57.1
30								60.4	60.1	60.2	60.5	60.0	59.4	58.9	58.5	58.0	57.1
29	60.2	60.1	59.8	59.9	59.8	59.6	59.1	60.4	60.1	60.1	60.5	59.9	59.3	58.8	58.4	58.0	57.0
28	60.2	60.2	59.9	59.9	59.8	59.7	59.1	60.3	60.0	60.1	60.5	59.9	59.3	58.8	58.4	57.9	57.0
27	60.3	60.2	59.9	60.0	59.8	59.8	59.1	60.3	60.0	60.0	60.4	59.8	59.2	58.7	58.3	57.9	56.9
26	60.4	60.3	60.0	60.0	59.9	59.8	59.0	60.2	59.9	59.9	60.3	59.8	59.2	58.6	58.2	57.8	56.9
25	60.4	60.3	60.1	60.1	59.9	59.8	59.0	60.1	59.8	59.9	60.2	59.7	59.0	58.6	58.1	57.7	56.8
24	60.5	60.4	60.1	60.1	60.0	59.9	58.9	60.0	59.7	59.8	60.2	59.6	59.0	58.5	58.0	57.6	56.7
23	60.5	60.4	60.2	60.1	60.0	59.9	58.8	59.9	59.6	59.7	60.0	59.4	58.8	58.3	57.9	57.5	56.6
22	60.6	60.5	60.2	60.2	60.0	59.9	58.7	59.8	59.5	59.5	59.9	59.3	58.7	58.2	57.8	57.3	56.5
21	60.7	60.5	60.3	60.2	60.1	59.9	58.7	59.6	59.3	59.4	59.8	59.2	58.5	58.0	57.6	57.2	56.3
20	60.7	60.5	60.3	60.3	60.1	60.0	58.5	59.5	59.2	59.2	59.6	59.0	58.4	57.8	57.4	57.0	56.2
19	60.8	60.6	60.3	60.3	60.1	60.0	58.4	59.3	59.0	59.0	59.4	58.8	58.1	57.6	57.2	56.8	56.0
18	60.8	60.6	60.4	60.3	60.1	60.0	58.2	59.1	58.8	58.8	59.2	58.5	57.9	57.3	57.0	56.5	55.7
17	60.9	60.7	60.4	60.3	60.1	60.0	58.0	58.9	58.6	58.6	59.0	58.3	57.6	57.1	56.7	56.2	55.4
16	60.9	60.7	60.4	60.3	60.1	60.0	57.7	58.6	58.3	58.4	58.8	58.0	57.4	56.8	56.4	55.9	55.2
15	60.9	60.8	60.4	60.3	60.1	60.0	57.5	58.4	58.1	58.1	58.5	57.7	57.1	56.5	56.1	55.6	54.9
14	61.0	60.8	60.5	60.3	60.1	60.0	57.2	58.2	57.8	57.9	58.2	57.4	56.8	56.2	55.8	55.3	54.6
13	61.1	60.9	60.6	60.4	60.2	60.0	56.9	57.9	57.6	57.6	58.0	57.1	56.5	55.9	55.5	55.0	54.3
12	61.2	60.9	60.6	60.4	60.2	60.0	56.6	57.7	57.3	57.4	57.7	56.8	56.2	55.6	55.2	54.7	53.9
11	61.2	61.0	60.6	60.5	60.2	60.0	56.2	57.5	57.1	57.2	57.5	56.4	55.8	55.3	54.8	54.3	53.6
10	61.3	61.1	60.7	60.5	60.2	60.0	55.8	57.2	56.8	56.9	57.2	56.1	55.5	54.9	54.4	53.9	53.1
9	61.4	61.1	60.8	60.6	60.3	60.1	55.4	56.9	56.6	56.6	56.9	55.7	55.1	54.6	54.1	53.5	52.8
8	61.4	61.2	60.8	60.6	60.3	60.1	55.0	56.6	56.3	56.3	56.6	55.3	54.8	54.2	53.7	53.1	52.4
7	61.5	61.2	60.9	60.6	60.3	60.0	54.6	56.4	56.1	56.1	56.3	55.0	54.5	53.9	53.4	52.8	52.1
6	61.6	61.3	60.9	60.6	60.2	59.9	54.2	56.2	55.9	55.9	56.1	54.7	54.2	53.7	53.1	52.5	51.8
5	61.5	61.2	60.8	60.4	60.1	59.8	53.8	56.0	55.7	55.7	55.9	54.4	53.9	53.4	52.8	52.2	51.5
4	61.4	61.1	60.6	60.3	59.9	59.7	53.5	55.9	55.5	55.5	55.7	54.1	53.6	53.0	52.5	51.9	51.1
3	61.2	60.9	60.5	60.1	59.8	59.5	53.1	55.7	55.3	55.3	55.5	53.8	53.3	52.7	52.1	51.5	50.8
2	61.0	60.7	60.3	59.9	59.5	59.1	52.7	55.5	55.1	55.2	55.3	53.5	52.9	52.4	51.8	51.2	50.5
1	60.5	60.0	59.3	58.8	58.4	57.9	52.4	55.4	55.0	55.0	55.1	53.2	52.7	52.2	51.5	50.9	50.1
Max	61.6	61.3	60.9	60.6	60.3	60.1	59.1	60.6	60.2	60.3	60.7	60.1	59.6	59.1	58.6	58.2	57.2
Min	60.2	60.0	59.3	58.8	58.4	57.9	52.4	55.4	55.0	55.0	55.1	53.2	52.7	52.2	51.5	50.9	50.1

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R205a	R205b	R206a	R206b	R206c	R207a	R207b	R207c	R208a	R208b	R208c	R208d	R209a	R209b	R209c	R210a	R210b
40																	
39																	
38																	
37	56.2	54.8	53.5	57.9	59.6	59.6	58.9	59.0	59.2	59.3	59.4	59.5	59.5	59.4	59.6	59.6	59.3
36	56.1	54.7	53.3	57.8	59.6	59.6	58.9	59.1	59.2	59.4	59.5	59.6	59.6	59.5	59.7	59.6	59.4
35	56.1	54.6	53.3	57.8	59.6	59.7	59.0	59.1	59.2	59.4	59.5	59.6	59.6	59.5	59.7	59.7	59.5
34	56.0	54.6	53.2	57.8	59.7	59.7	59.0	59.1	59.3	59.5	59.5	59.7	59.7	59.5	59.8	59.7	59.5
33	56.0	54.6	53.1	57.8	59.7	59.7	59.0	59.2	59.3	59.5	59.6	59.7	59.7	59.6	59.8	59.7	59.6
32	56.0	54.5	53.0	57.7	59.7	59.8	59.1	59.3	59.4	59.6	59.6	59.7	59.7	59.6	59.8	59.8	59.6
31	55.9	54.5	53.0	57.7	59.7	59.8	59.1	59.3	59.4	59.6	59.7	59.8	59.8	59.7	59.9	59.9	59.7
30	55.9	54.5	53.0	57.7	59.7	59.8	59.1	59.3	59.4	59.6	59.7	59.8	59.8	59.7	59.9	59.9	59.8
29	55.9	54.4	53.0	57.7	59.7	59.8	59.2	59.3	59.5	59.7	59.7	59.8	59.8	59.8	60.0	60.0	59.8
28	55.9	54.4	52.9	57.7	59.7	59.8	59.2	59.4	59.5	59.7	59.8	59.9	59.9	59.8	60.0	60.0	59.9
27	55.8	54.3	52.9	57.6	59.7	59.8	59.2	59.4	59.6	59.8	59.8	59.9	59.9	59.9	60.1	60.1	60.0
26	55.7	54.3	52.8	57.6	59.7	59.8	59.3	59.4	59.6	59.8	59.8	59.9	60.0	59.9	60.1	60.1	60.0
25	55.7	54.2	52.8	57.6	59.7	59.9	59.3	59.5	59.6	59.8	59.8	59.9	60.0	59.9	60.2	60.2	60.1
24	55.6	54.1	52.7	57.5	59.7	59.9	59.3	59.5	59.7	59.8	59.9	60.0	60.0	60.0	60.2	60.2	60.2
23	55.5	54.1	52.7	57.5	59.7	59.9	59.3	59.5	59.7	59.8	59.9	60.0	60.1	60.0	60.2	60.3	60.2
22	55.4	54.0	52.6	57.4	59.7	59.9	59.3	59.6	59.8	59.9	59.9	60.0	60.1	60.1	60.3	60.3	60.3
21	55.3	53.9	52.5	57.3	59.7	59.9	59.4	59.6	59.8	59.9	60.0	60.1	60.2	60.1	60.4	60.4	60.4
20	55.2	53.8	52.4	57.2	59.6	59.9	59.4	59.6	59.8	60.0	60.0	60.1	60.2	60.2	60.4	60.5	60.5
19	55.0	53.7	52.3	57.1	59.6	59.8	59.4	59.7	59.8	60.0	60.0	60.1	60.3	60.3	60.5	60.5	60.5
18	54.8	53.5	52.1	57.0	59.5	59.8	59.4	59.7	59.9	60.0	60.0	60.2	60.3	60.3	60.5	60.6	60.6
17	54.6	53.4	52.0	56.9	59.5	59.8	59.4	59.7	59.9	60.1	60.1	60.2	60.4	60.4	60.6	60.7	60.7
16	54.4	53.2	51.9	56.7	59.4	59.8	59.4	59.7	59.9	60.1	60.1	60.3	60.4	60.4	60.7	60.7	60.8
15	54.1	53.0	51.7	56.5	59.3	59.7	59.4	59.7	59.9	60.1	60.1	60.3	60.4	60.5	60.7	60.8	60.9
14	53.8	52.7	51.5	56.3	59.2	59.7	59.4	59.7	59.9	60.1	60.2	60.3	60.5	60.6	60.8	60.9	61.0
13	53.5	52.5	51.2	56.1	59.1	59.6	59.3	59.7	59.9	60.1	60.2	60.3	60.5	60.6	60.8	60.9	61.1
12	53.3	52.2	51.0	55.9	58.9	59.5	59.3	59.7	59.9	60.1	60.2	60.3	60.6	60.7	60.9	61.0	61.2
11	53.0	52.0	50.7	55.7	58.7	59.4	59.2	59.6	59.8	60.1	60.1	60.3	60.6	60.7	60.9	61.0	61.2
10	52.6	51.6	50.4	55.4	58.5	59.3	59.1	59.5	59.8	60.0	60.0	60.2	60.5	60.6	60.9	61.1	61.3
9	52.2	51.3	50.0	55.1	58.3	59.1	59.0	59.4	59.6	59.9	59.9	60.1	60.4	60.6	60.8	61.1	61.3
8	51.8	50.9	49.6	54.9	58.1	58.9	58.8	59.2	59.5	59.7	59.7	59.9	60.2	60.4	60.7	60.9	61.3
7	51.5	50.7	49.5	54.7	58.0	58.7	58.7	59.1	59.4	59.6	59.6	59.7	60.1	60.2	60.5	60.8	61.1
6	51.3	50.4	49.2	54.5	57.9	58.6	58.5	59.0	59.2	59.4	59.4	59.6	59.8	60.0	60.3	60.5	60.9
5	51.0	50.1	48.8	54.3	57.8	58.5	58.5	58.9	59.1	59.3	59.2	59.3	59.6	59.7	60.0	60.2	60.5
4	50.6	49.7	48.4	54.1	57.6	58.3	58.4	58.8	58.9	59.1	59.0	59.0	59.4	59.5	59.7	59.8	60.1
3	50.2	49.3	48.0	53.9	57.5	58.2	58.3	58.7	58.7	58.8	58.7	58.8	59.0	59.1	59.3	59.5	59.7
2	49.9	49.1	47.7	53.8	57.4	58.0	58.1	58.4	58.3	58.3	58.1	58.2	58.5	58.7	58.9	59.0	59.1
1	49.6	48.8	47.3	53.6	57.2	57.9	57.8	58.1	57.9	58.0	57.7	57.8	58.0	58.1	58.3	58.3	58.3
Max	56.2	54.8	53.5	57.9	59.7	59.9	59.4	59.7	59.9	60.1	60.2	60.3	60.6	60.7	60.9	61.1	61.3
Min	49.6	48.8	47.3	53.6	57.2	57.9	57.8	58.1	57.9	58.0	57.7	57.8	58.0	58.1	58.3	58.3	58.3

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R210c	R211a	R211b	R212a	R212b	R213a	R213b	R214a	R215a	R216a	R216b	R217a	R217b	R218a	R218b	R218c	R301a
40																	
39																	60.4
38																	60.4
37	59.5	55.9	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	51.9	54.1	54.8	55.5	60.4
36	59.5	56.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	51.9	54.2	54.9	55.5	60.4
35	59.6	56.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	52.0	54.3	54.9	55.5	60.3
34	59.7	56.1	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	52.1	54.4	55.0	55.6	60.3
33	59.7	56.2	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	52.1	54.4	55.1	55.6	60.2
32	59.8	56.3	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	52.2	54.5	55.1	55.7	60.1
31	59.9	56.4	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.3	54.6	55.2	55.8	60.0
30	59.9	56.4	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.3	54.7	55.3	55.9	59.9
29	60.0	56.5	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.4	54.7	55.4	55.9	59.7
28	60.1	56.6	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.5	54.8	55.4	56.0	59.6
27	60.1	56.7	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.6	54.9	55.5	56.1	59.4
26	60.2	56.8	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.7	55.0	55.6	56.2	59.2
25	60.3	56.9	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	52.7	55.1	55.7	56.3	58.9
24	60.4	57.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	52.8	55.2	55.8	56.3	58.6
23	60.4	57.1	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	52.9	55.2	55.9	56.4	58.3
22	60.5	57.2	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	53.0	55.3	56.0	56.5	58.0
21	60.6	57.2	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	53.1	55.4	56.1	56.6	57.7
20	60.7	57.3	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	53.2	55.5	56.2	56.7	57.3
19	60.8	57.5	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.3	55.6	56.2	56.8	57.0
18	60.9	57.6	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.4	55.7	56.3	56.9	56.6
17	61.0	57.7	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.5	55.8	56.5	56.9	56.3
16	61.1	57.8	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.6	55.9	56.5	57.1	55.9
15	61.2	57.9	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.7	56.0	56.6	57.1	55.5
14	61.3	58.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.8	56.1	56.7	57.2	55.1
13	61.4	58.1	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.9	56.2	56.8	57.3	54.8
12	61.5	58.2	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	54.0	56.3	56.9	57.4	54.5
11	61.6	58.3	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.1	56.5	57.0	57.4	54.2
10	61.7	58.5	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.2	56.6	57.1	57.4	54.0
9	61.8	58.6	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.3	56.7	57.2	57.5	53.7
8	61.8	58.7	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.5	56.7	57.2	57.4	53.5
7	61.7	58.8	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.6	56.8	57.3	57.3	53.2
6	61.5	58.9	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.7	56.9	57.2	57.1	52.9
5	61.2	59.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.8	56.9	57.0	56.8	52.6
4	60.7	59.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.9	56.7	56.8	56.4	52.2
3	60.2	58.9	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.9	56.4	56.3	55.9	51.9
2	59.6	58.7	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.6	55.8	55.8	55.2	51.6
1	58.8	58.1	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.1	55.1	55.0	54.5	51.4
Max	61.8	59.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.9	56.9	57.3	57.5	60.4
Min	58.8	55.9	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	51.9	54.1	54.8	54.5	51.4

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R301b	R301c	R301d	R301e	R301f	R302a	R302b	R303a	R303b	R304a	R304b	R305a	R305b	R306a	R306b	R306c	R306d
40																	
39	63.1	63.2	63.1	63.0	61.1	62.7	62.5	62.5	62.5	62.4	62.4	62.2	62.1	57.5	61.8	48.2	52.8
38	63.1	63.1	63.1	63.0	61.1	62.7	62.5	62.5	62.5	62.4	62.3	62.2	62.1	57.4	61.7	48.2	52.8
37	63.1	63.1	63.0	62.9	61.0	62.6	62.4	62.5	62.4	62.4	62.3	62.2	62.0	57.3	61.7	48.2	52.9
36	63.0	63.0	63.0	62.9	61.0	62.6	62.4	62.4	62.4	62.3	62.2	62.1	62.0	57.3	61.7	48.2	52.9
35	62.9	63.0	62.9	62.8	60.9	62.5	62.3	62.4	62.3	62.3	62.2	62.1	61.9	57.2	61.6	48.1	53.0
34	62.9	62.9	62.9	62.8	60.8	62.4	62.3	62.3	62.3	62.2	62.1	62.0	61.9	57.1	61.5	48.1	53.0
33	62.8	62.9	62.8	62.7	60.7	62.4	62.2	62.2	62.2	62.1	62.0	61.9	61.8	57.0	61.5	48.1	53.0
32	62.7	62.8	62.7	62.6	60.6	62.3	62.1	62.1	62.1	62.0	61.9	61.8	61.7	56.9	61.4	48.0	53.1
31	62.6	62.7	62.6	62.5	60.5	62.2	62.0	62.0	62.0	61.9	61.8	61.7	61.6	56.8	61.3	48.0	53.1
30	62.5	62.5	62.5	62.4	60.4	62.0	61.9	61.9	61.9	61.8	61.7	61.6	61.5	56.7	61.2	47.9	53.2
29	62.3	62.4	62.3	62.2	60.3	61.9	61.7	61.8	61.7	61.6	61.6	61.4	61.3	56.5	61.0	47.9	53.2
28	62.2	62.2	62.2	62.1	60.1	61.7	61.6	61.6	61.6	61.5	61.4	61.3	61.2	56.3	60.9	47.8	53.2
27	62.0	62.0	62.0	61.9	59.9	61.6	61.4	61.4	61.4	61.3	61.2	61.1	61.0	56.1	60.7	47.8	53.2
26	61.7	61.8	61.7	61.7	59.7	61.3	61.1	61.2	61.2	61.1	61.0	60.9	60.8	56.0	60.5	47.7	53.2
25	61.5	61.6	61.5	61.4	59.4	61.1	60.9	60.9	60.9	60.8	60.7	60.6	60.5	55.7	60.2	47.6	53.3
24	61.2	61.2	61.2	61.1	59.2	60.8	60.6	60.7	60.6	60.5	60.5	60.3	60.3	55.4	59.9	47.5	53.3
23	60.9	60.9	60.9	60.8	58.9	60.4	60.3	60.3	60.3	60.2	60.1	60.1	60.0	55.1	59.7	47.3	53.3
22	60.6	60.6	60.5	60.5	58.6	60.1	60.0	60.0	60.0	60.0	59.9	59.8	59.7	54.9	59.4	47.2	53.3
21	60.3	60.3	60.3	60.2	58.4	59.9	59.7	59.8	59.7	59.7	59.6	59.5	59.4	54.7	59.1	47.1	53.4
20	60.0	60.0	60.0	59.9	58.1	59.6	59.4	59.5	59.5	59.4	59.3	59.2	59.1	54.5	58.8	46.9	53.4
19	59.6	59.7	59.6	59.5	57.8	59.2	59.1	59.2	59.1	59.1	59.0	58.9	58.9	54.3	58.6	46.7	53.4
18	59.3	59.3	59.2	59.2	57.5	58.9	58.7	58.8	58.8	58.7	58.7	58.6	58.5	53.9	58.2	46.5	53.4
17	58.9	59.0	58.9	58.8	57.2	58.5	58.4	58.5	58.4	58.4	58.3	58.2	58.2	53.6	57.9	46.3	53.4
16	58.5	58.5	58.5	58.4	56.8	58.2	58.0	58.1	58.1	58.0	58.0	57.9	57.8	53.3	57.5	46.0	53.4
15	58.1	58.1	58.1	58.0	56.5	57.8	57.6	57.7	57.7	57.7	57.6	57.5	57.4	52.9	57.2	45.7	53.4
14	57.7	57.8	57.7	57.6	56.1	57.4	57.2	57.3	57.3	57.3	57.2	57.2	57.1	52.6	56.8	45.4	53.5
13	57.4	57.5	57.4	57.3	55.8	57.1	56.9	57.0	57.0	57.0	56.9	56.8	56.8	52.3	56.5	45.1	53.5
12	57.2	57.2	57.2	57.1	55.6	56.8	56.7	56.7	56.7	56.7	56.6	56.6	56.5	52.1	56.2	44.9	53.5
11	56.9	56.9	56.9	56.8	55.3	56.5	56.4	56.5	56.5	56.5	56.4	56.3	56.2	51.9	56.0	44.8	53.5
10	56.7	56.7	56.7	56.6	55.2	56.3	56.2	56.2	56.2	56.2	56.1	56.1	56.0	51.6	55.7	44.4	53.4
9	56.6	56.6	56.5	56.4	55.0	56.1	56.0	56.0	56.0	56.0	55.9	55.9	55.8	51.5	55.5	44.1	53.2
8	56.4	56.4	56.4	56.3	55.0	56.0	55.9	55.9	55.9	55.8	55.8	55.7	55.6	51.4	55.3	43.8	52.8
7	56.0	56.0	56.0	55.9	54.6	55.7	55.6	55.7	55.7	55.7	55.6	55.6	55.5	51.5	55.2	43.6	52.3
6	55.7	55.6	55.6	55.6	54.2	55.3	55.2	55.3	55.4	55.3	55.3	55.3	55.2	51.1	55.0	43.4	51.8
5	55.3	55.3	55.2	55.2	53.8	55.0	54.8	55.0	55.0	55.0	54.9	54.9	54.9	50.7	54.6	43.2	51.2
4	55.0	54.9	54.9	54.9	53.5	54.6	54.5	54.6	54.6	54.6	54.6	54.6	54.5	50.4	54.3	42.9	48.9
3	54.6	54.7	54.6	54.6	53.3	54.3	54.2	54.3	54.3	54.3	54.3	54.2	54.2	50.1	54.0	42.6	45.5
2	54.4	54.4	54.3	54.3	53.0	54.0	53.9	54.0	54.1	54.0	54.0	54.0	53.9	49.8	53.7	42.4	43.6
1	54.1	54.1	54.1	54.1	52.8	53.8	53.7	53.8	53.8	53.8	53.7	53.7	53.6	49.5	53.4	42.1	42.9
Max	63.1	63.2	63.1	63.0	61.1	62.7	62.5	62.5	62.5	62.4	62.4	62.2	62.1	57.5	61.8	48.2	53.5
Min	54.1	54.1	54.1	54.1	52.8	53.8	53.7	53.8	53.8	53.8	53.7	53.7	53.6	49.5	53.4	42.1	42.9

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R306e	R307a	R307b	R307c	R307d	R307e	R308a	R308b	R401a	R401b	R402a	R402b	R402c	R403a	R403b	R403c	R403d
40																	
39	52.9	52.8	52.9	52.9	52.6	53.7	59.6	61.7	57.3	57.5	59.0	62.0	62.6	63.0	63.3	63.4	61.1
38	53.0	52.9	53.0	53.0	52.7	53.7	59.6	61.6	57.3	57.5	58.9	61.9	62.6	63.0	63.3	63.4	61.1
37	53.0	52.9	53.1	53.0	52.7	53.7	59.6	61.6	57.3	57.4	58.9	61.9	62.6	63.0	63.3	63.5	61.1
36	53.1	53.0	53.2	53.1	52.8	53.8	59.5	61.6	57.2	57.4	58.8	61.9	62.6	63.0	63.3	63.4	61.1
35	53.2	53.1	53.2	53.1	52.9	53.8	59.5	61.5	57.2	57.4	58.8	61.9	62.6	63.0	63.3	63.4	61.1
34	53.3	53.2	53.3	53.2	52.9	53.8	59.4	61.4	57.1	57.3	58.7	61.8	62.5	62.9	63.3	63.4	61.0
33	53.4	53.2	53.4	53.3	53.0	53.8	59.4	61.3	57.1	57.3	58.7	61.8	62.5	62.9	63.3	63.4	61.0
32	53.4	53.3	53.4	53.4	53.0	53.9	59.3	61.2	57.0	57.2	58.6	61.8	62.4	62.9	63.3	63.4	61.0
31	53.5	53.4	53.5	53.4	53.1	53.9	59.2	61.1	57.0	57.1	58.6	61.7	62.4	62.9	63.2	63.4	60.9
30	53.6	53.5	53.5	53.5	53.1	53.9	59.1	61.0	56.9	57.0	58.5	61.6	62.4	62.8	63.2	63.4	60.9
29	53.6	53.5	53.6	53.6	53.2	53.9	58.9	60.9	56.7	56.9	58.4	61.6	62.3	62.8	63.1	63.3	60.8
28	53.7	53.6	53.6	53.6	53.2	54.0	58.8	60.7	56.6	56.8	58.2	61.4	62.2	62.7	63.1	63.2	60.7
27	53.8	53.7	53.7	53.7	53.3	54.0	58.6	60.5	56.5	56.6	58.1	61.3	62.1	62.6	63.0	63.1	60.6
26	53.9	53.8	53.8	53.8	53.3	54.0	58.4	60.3	56.3	56.5	57.9	61.2	62.0	62.5	62.9	63.0	60.5
25	54.0	53.8	53.9	53.8	53.4	54.0	58.1	60.0	56.1	56.2	57.7	61.0	61.8	62.3	62.8	62.9	60.3
24	54.1	53.9	53.9	53.8	53.3	54.0	57.8	59.7	55.9	56.0	57.4	60.8	61.6	62.1	62.6	62.7	60.1
23	54.1	54.0	53.9	53.9	53.4	53.9	57.5	59.4	55.6	55.7	57.1	60.6	61.4	61.9	62.3	62.5	60.0
22	54.2	54.0	54.0	53.9	53.4	53.9	57.2	59.1	55.3	55.5	56.8	60.3	61.1	61.6	62.0	62.2	59.8
21	54.3	54.1	54.0	54.0	53.4	53.9	56.9	58.8	54.9	55.1	56.5	60.0	60.8	61.3	61.7	61.9	59.5
20	54.3	54.2	54.0	53.9	53.3	53.8	56.5	58.5	54.7	54.8	56.2	59.7	60.5	60.9	61.3	61.5	59.2
19	54.4	54.2	54.0	53.9	53.3	53.7	56.2	58.1	54.4	54.6	55.9	59.5	60.1	60.5	60.9	61.1	58.9
18	54.4	54.2	54.0	53.9	53.2	53.5	55.9	57.8	54.3	54.4	55.7	59.2	59.8	60.1	60.5	60.7	58.7
17	54.5	54.2	53.8	53.8	53.0	53.2	55.5	57.4	53.8	53.9	55.3	58.7	59.3	59.6	59.9	60.1	58.3
16	54.5	54.2	53.6	53.6	52.7	52.9	55.2	57.1	53.4	53.5	54.8	58.3	58.8	59.1	59.4	59.6	57.9
15	54.5	54.1	53.3	53.3	52.3	52.4	54.8	56.7	52.9	53.0	54.4	57.8	58.3	58.6	58.9	59.1	57.3
14	54.4	54.0	53.1	53.0	51.9	52.1	54.4	56.3	52.5	52.6	53.9	57.4	57.9	58.1	58.4	58.6	56.9
13	54.3	53.9	52.8	52.7	51.5	51.4	54.0	56.0	52.0	52.1	53.5	57.1	57.5	57.7	58.0	58.2	56.6
12	54.1	53.6	52.3	52.2	50.8	50.8	53.7	55.7	51.6	51.8	53.1	56.7	57.1	57.3	57.5	57.7	56.1
11	53.8	53.3	51.7	51.7	50.0	49.9	53.4	55.4	51.3	51.5	52.9	56.2	56.7	56.8	57.1	57.3	55.6
10	53.3	52.7	50.9	50.9	49.0	49.0	53.2	55.3	50.9	51.1	52.6	55.8	56.2	56.4	56.6	56.8	55.1
9	52.9	52.0	49.9	49.9	47.4	47.8	52.9	55.0	50.8	51.0	52.5	55.5	55.9	56.0	56.3	56.4	54.8
8	52.2	51.5	49.1	49.0	46.3	46.9	52.6	54.9	50.7	50.9	52.3	55.3	55.6	55.7	55.9	56.1	54.5
7	51.5	50.7	48.0	48.0	44.9	46.1	52.4	54.6	50.3	50.4	51.8	54.8	55.1	55.2	55.4	55.6	54.0
6	50.9	50.2	47.3	47.2	43.7	45.5	52.2	54.3	49.8	49.9	51.3	54.2	54.6	54.6	54.9	55.1	53.5
5	50.3	49.5	46.4	46.3	42.5	44.9	51.9	53.9	49.4	49.5	50.9	53.8	54.2	54.2	54.4	54.6	53.0
4	47.5	46.1	43.3	43.3	40.5	44.2	51.5	53.6	49.0	49.2	50.6	53.4	53.7	53.7	54.0	54.1	52.5
3	42.6	41.5	40.2	40.1	<40	43.5	51.2	53.3	48.7	48.8	50.3	53.0	53.3	53.4	53.6	53.7	52.0
2	<40	<40	<40	<40	<40	43.0	50.9	53.0	48.4	48.5	50.0	52.7	53.0	53.0	53.2	53.2	51.6
1	<40	<40	<40	<40	<40	42.3	50.6	52.7	48.1	48.3	49.7	52.2	52.4	52.3	52.4	52.3	50.6
Max	54.5	54.2	54.0	54.0	53.4	54.0	59.6	61.7	57.3	57.5	59.0	62.0	62.6	63.0	63.3	63.5	61.1
Min	<40	<40	<40	<40	<40	42.3	50.6	52.7	48.1	48.3	49.7	52.2	52.4	52.3	52.4	52.3	50.6

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R404a	R404b	R405a	R405b	R406a	R406b	R407a	R407b	R407c	R408a	R408b	R408c	R501a	R501b	R501c	R501d	R502a
40																	
39	60.7	60.6	60.8	61.1	61.5	61.8	62.0	62.3	59.5	56.1	56.2	55.3	61.4	62.5	62.8	62.4	62.1
38	60.7	60.6	60.9	61.1	61.5	61.9	62.0	62.3	59.5	56.1	56.2	55.3	61.4	62.5	62.8	62.4	62.1
37	60.8	60.6	60.8	61.1	61.5	61.9	62.1	62.3	59.5	56.1	56.2	55.2	61.4	62.5	62.8	62.4	62.1
36	60.7	60.5	60.8	61.1	61.5	61.8	62.0	62.3	59.6	56.1	56.2	55.2	61.4	62.5	62.8	62.4	62.1
35	60.7	60.5	60.8	61.0	61.5	61.8	62.0	62.3	59.6	56.1	56.1	55.1	61.4	62.5	62.8	62.4	62.1
34	60.7	60.5	60.8	61.1	61.4	61.8	62.0	62.3	59.6	56.0	56.1	55.1	61.4	62.4	62.8	62.4	62.1
33	60.6	60.5	60.8	61.0	61.4	61.8	62.0	62.3	59.6	56.0	56.1	55.1	61.3	62.4	62.8	62.4	62.1
32	60.6	60.4	60.7	61.0	61.4	61.8	62.0	62.3	59.6	56.0	56.0	55.0	61.3	62.4	62.7	62.4	62.1
31	60.6	60.4	60.7	60.9	61.4	61.8	62.0	62.2	59.6	56.0	56.0	55.0	61.2	62.4	62.7	62.3	62.0
30	60.5	60.4	60.6	60.9	61.3	61.7	61.9	62.2	59.6	55.9	56.0	54.9	61.2	62.3	62.7	62.3	62.0
29	60.4	60.3	60.6	60.8	61.3	61.7	61.9	62.2	59.6	55.9	55.9	54.8	61.1	62.3	62.6	62.2	62.0
28	60.4	60.2	60.5	60.8	61.2	61.6	61.8	62.1	59.6	55.8	55.8	54.7	61.0	62.2	62.5	62.2	61.9
27	60.3	60.1	60.4	60.7	61.2	61.6	61.8	62.0	59.5	55.7	55.7	54.5	60.9	62.1	62.5	62.1	61.8
26	60.2	60.0	60.3	60.6	61.1	61.5	61.7	62.0	59.5	55.6	55.7	54.4	60.7	62.0	62.4	62.0	61.7
25	60.0	59.9	60.2	60.5	61.0	61.4	61.6	61.9	59.4	55.5	55.5	54.2	60.6	61.8	62.3	61.9	61.6
24	59.9	59.7	60.0	60.3	60.8	61.3	61.5	61.8	59.3	55.3	55.3	53.9	60.4	61.7	62.1	61.7	61.5
23	59.7	59.6	59.9	60.2	60.7	61.1	61.4	61.6	59.2	55.1	55.2	53.6	60.1	61.5	62.0	61.6	61.3
22	59.5	59.3	59.7	60.0	60.5	61.0	61.2	61.5	59.1	55.0	54.9	53.3	59.8	61.2	61.7	61.4	61.1
21	59.2	59.1	59.4	59.8	60.3	60.8	61.0	61.3	58.9	54.8	54.7	52.9	59.5	61.0	61.5	61.1	60.8
20	58.9	58.8	59.2	59.6	60.1	60.6	60.8	61.1	58.7	54.5	54.5	52.6	59.1	60.7	61.2	60.8	60.5
19	58.7	58.6	58.9	59.3	59.8	60.3	60.6	60.8	58.4	54.4	54.4	52.3	58.8	60.4	60.9	60.5	60.2
18	58.4	58.3	58.6	59.0	59.5	60.1	60.3	60.6	58.1	54.3	54.3	52.2	58.4	60.0	60.6	60.2	59.9
17	58.0	57.9	58.3	58.6	59.2	59.8	60.0	60.2	57.8	54.2	54.1	51.8	58.0	59.6	60.3	59.8	59.5
16	57.6	57.5	57.9	58.2	58.8	59.4	59.6	59.9	57.5	53.9	53.8	51.4	57.5	59.3	59.9	59.5	59.2
15	57.1	57.0	57.3	57.7	58.3	59.0	59.2	59.5	57.2	53.7	53.6	51.0	57.1	58.9	59.6	59.1	58.8
14	56.7	56.6	57.0	57.4	58.0	58.7	58.9	59.1	56.9	53.5	53.4	50.6	56.7	58.5	59.3	58.7	58.4
13	56.3	56.2	56.6	57.0	57.6	58.4	58.6	58.9	56.6	53.3	53.2	50.1	56.3	58.1	58.9	58.3	58.1
12	55.9	55.8	56.2	56.6	57.2	58.1	58.3	58.5	56.4	53.2	53.0	49.6	55.9	57.8	58.6	58.0	57.7
11	55.3	55.2	55.6	56.0	56.8	57.6	57.9	58.1	56.2	52.9	52.8	49.1	55.6	57.5	58.3	57.7	57.4
10	54.8	54.7	55.1	55.5	56.3	57.3	57.6	57.8	56.0	52.8	52.6	48.6	55.2	57.2	58.0	57.4	57.1
9	54.4	54.3	54.7	55.1	55.9	56.9	57.3	57.4	55.8	52.7	52.5	48.4	54.9	57.0	57.8	57.2	56.8
8	54.1	53.9	54.4	54.7	55.5	56.7	57.0	57.2	55.6	52.6	52.4	48.2	54.6	56.7	57.5	56.9	56.6
7	53.7	53.6	54.0	54.4	55.2	56.4	56.7	56.9	55.4	52.6	52.4	48.1	54.4	56.5	57.3	56.7	56.3
6	53.2	53.1	53.5	53.9	54.8	56.1	56.5	56.6	55.3	52.4	52.2	47.6	54.3	56.3	57.1	56.5	56.1
5	52.6	52.5	53.0	53.5	54.5	55.8	56.2	56.4	55.2	52.3	52.0	47.2	53.9	56.0	56.9	56.2	55.9
4	52.1	52.0	52.5	53.0	54.1	55.5	55.9	56.1	54.9	52.0	51.8	46.8	53.5	55.8	56.6	55.9	55.6
3	51.6	51.5	52.0	52.5	53.7	55.2	55.7	55.8	54.5	51.6	51.3	46.5	53.1	55.5	56.4	55.7	55.4
2	51.1	51.0	51.5	51.9	53.2	54.9	55.3	55.5	54.1	51.2	51.0	46.2	52.8	55.3	56.2	55.5	55.2
1	50.1	50.0	50.4	50.8	52.3	54.3	54.8	55.0	53.9	51.1	50.7	45.9	52.5	55.1	56.1	55.3	55.0
Max	60.8	60.6	60.9	61.1	61.5	61.9	62.1	62.3	59.6	56.1	56.2	55.3	61.4	62.5	62.8	62.4	62.1
Min	50.1	50.0	50.4	50.8	52.3	54.3	54.8	55.0	53.9	51.1	50.7	45.9	52.5	55.1	56.1	55.3	55.0

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R502b	R503a	R503b	R503c	R503d	R503e	R504a	R504b	R504c	R505a	R505b	R506a	R506b	R507a	R507b	R507c	R507d
40																	
39	61.9	62.2	62.0	58.4	58.0	57.6	57.3	56.9	56.5	56.1	55.6	55.1	54.9	54.4	53.9	53.5	54.5
38	61.9	62.2	62.0	58.5	58.0	57.7	57.4	56.9	56.5	56.1	55.6	55.2	54.9	54.4	54.0	53.5	54.5
37	61.9	62.2	62.1	58.5	58.0	57.7	57.4	56.9	56.6	56.1	55.6	55.2	54.9	54.4	54.0	53.5	54.5
36	61.9	62.2	62.0	58.5	58.0	57.7	57.4	56.9	56.6	56.2	55.7	55.2	55.0	54.5	54.0	53.6	54.5
35	61.9	62.2	62.1	58.5	58.0	57.7	57.4	57.0	56.6	56.2	55.7	55.2	54.9	54.5	54.0	53.6	54.5
34	61.9	62.2	62.1	58.5	58.0	57.7	57.4	57.0	56.6	56.2	55.7	55.3	55.0	54.5	54.1	53.6	54.5
33	61.9	62.2	62.1	58.5	58.1	57.7	57.4	57.0	56.6	56.2	55.7	55.2	55.0	54.5	54.1	53.6	54.5
32	61.8	62.2	62.0	58.5	58.0	57.7	57.4	57.0	56.6	56.2	55.7	55.3	55.0	54.5	54.0	53.7	54.5
31	61.8	62.2	62.0	58.5	58.1	57.7	57.4	57.0	56.6	56.2	55.7	55.2	55.0	54.5	54.1	53.6	54.5
30	61.8	62.2	62.0	58.5	58.0	57.7	57.4	57.0	56.6	56.2	55.7	55.3	55.0	54.5	54.1	53.7	54.4
29	61.7	62.1	62.0	58.5	58.0	57.7	57.4	57.0	56.6	56.2	55.7	55.2	55.0	54.5	54.1	53.7	54.4
28	61.6	62.1	61.9	58.5	58.0	57.7	57.4	57.0	56.6	56.2	55.8	55.3	55.0	54.5	54.1	53.7	54.3
27	61.5	62.0	61.9	58.5	58.0	57.7	57.4	57.0	56.6	56.2	55.7	55.2	55.0	54.5	54.1	53.6	54.3
26	61.5	61.9	61.8	58.5	58.0	57.7	57.4	56.9	56.6	56.2	55.7	55.2	55.0	54.5	54.0	53.6	54.3
25	61.4	61.9	61.7	58.4	58.0	57.6	57.4	56.9	56.5	56.1	55.7	55.2	54.9	54.5	54.0	53.6	54.2
24	61.2	61.7	61.6	58.4	57.9	57.6	57.3	56.9	56.5	56.1	55.6	55.2	54.9	54.4	54.0	53.5	54.2
23	61.0	61.6	61.5	58.4	57.9	57.6	57.3	56.8	56.5	56.0	55.6	55.1	54.8	54.4	53.9	53.5	54.1
22	60.8	61.4	61.3	58.3	57.8	57.5	57.2	56.8	56.4	56.0	55.5	55.0	54.7	54.3	53.9	53.4	54.0
21	60.6	61.2	61.1	58.2	57.8	57.4	57.2	56.7	56.3	55.9	55.5	55.0	54.7	54.2	53.8	53.3	53.9
20	60.3	61.0	60.9	58.1	57.7	57.4	57.1	56.6	56.3	55.8	55.4	54.9	54.6	54.2	53.7	53.2	53.7
19	60.0	60.7	60.6	58.1	57.6	57.3	57.0	56.5	56.2	55.8	55.3	54.8	54.5	54.0	53.6	53.1	53.6
18	59.6	60.4	60.4	57.9	57.5	57.2	56.9	56.4	56.1	55.7	55.2	54.7	54.4	54.0	53.6	53.1	53.5
17	59.3	60.1	60.1	57.8	57.4	57.1	56.8	56.3	56.0	55.6	55.1	54.6	54.3	53.9	53.5	53.0	53.3
16	58.9	59.9	59.8	57.7	57.3	57.0	56.7	56.2	55.9	55.5	55.0	54.5	54.3	53.8	53.4	53.0	53.2
15	58.6	59.6	59.5	57.5	57.1	56.8	56.6	56.1	55.8	55.3	54.9	54.4	54.2	53.8	53.4	53.0	53.1
14	58.2	59.2	59.2	57.3	57.0	56.7	56.4	55.9	55.6	55.2	54.8	54.3	54.0	53.7	53.3	52.9	53.0
13	57.8	58.9	58.9	57.1	56.8	56.5	56.3	55.8	55.4	55.1	54.6	54.2	54.0	53.6	53.3	52.8	52.8
12	57.5	58.6	58.6	56.9	56.5	56.3	56.1	55.6	55.3	54.9	54.5	54.1	53.8	53.5	53.3	52.8	52.6
11	57.2	58.3	58.2	56.6	56.2	56.0	55.8	55.3	55.0	54.7	54.3	53.9	53.7	53.5	53.2	52.8	52.5
10	56.9	58.0	57.9	56.3	55.9	55.8	55.5	55.1	54.7	54.5	54.1	53.8	53.7	53.4	53.2	52.7	52.3
9	56.7	57.8	57.6	56.0	55.7	55.5	55.3	54.8	54.4	54.2	53.9	53.6	53.5	53.3	53.1	52.7	52.2
8	56.4	57.5	57.3	55.7	55.4	55.2	55.1	54.6	54.3	54.0	53.7	53.5	53.4	53.2	53.0	52.6	52.1
7	56.2	57.2	57.0	55.4	55.1	54.9	54.8	54.3	54.0	53.8	53.6	53.3	53.3	53.1	52.8	52.4	51.8
6	56.0	56.9	56.5	54.8	54.5	54.3	54.3	53.9	53.7	53.6	53.5	53.2	53.2	53.0	52.6	52.0	51.3
5	55.8	56.6	55.8	53.8	53.4	53.3	53.4	53.3	53.4	53.4	53.4	53.2	53.1	52.8	52.2	51.3	50.6
4	55.5	56.3	55.1	52.6	52.2	52.2	52.6	52.8	53.1	53.2	53.4	53.1	53.1	52.6	51.8	50.5	49.9
3	55.3	56.0	54.7	51.9	51.4	51.5	52.0	52.5	52.9	53.1	53.3	53.1	53.1	52.6	51.6	50.1	49.3
2	55.0	55.8	54.3	51.5	51.0	51.1	51.7	52.3	52.8	53.0	53.2	53.1	53.0	52.5	51.5	49.9	49.0
1	54.8	55.7	54.1	51.1	50.6	50.8	51.5	52.1	52.6	52.9	53.2	53.0	53.0	52.5	51.4	49.7	48.8
Max	61.9	62.2	62.1	58.5	58.1	57.7	57.4	57.0	56.6	56.2	55.8	55.3	55.0	54.5	54.1	53.7	54.5
Min	54.8	55.7	54.1	51.1	50.6	50.8	51.5	52.1	52.6	52.9	53.2	53.0	53.0	52.5	51.4	49.7	48.8

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R508a	R508b	R508c	R508d	R509a	R509b	R510a	R510b	R510c	R510d	R601a	R601b	R601c	R601d	R602a	R602b	R602c
40																	
39	57.2	61.9	61.8	61.8	61.7	61.6	56.4	61.6	61.8	61.6							
38	57.2	61.9	61.8	61.8	61.6	61.6	56.4	61.6	61.8	61.6	60.4	63.9	64.1	64.3	64.5	64.6	64.6
37	57.2	61.9	61.8	61.8	61.6	61.6	56.4	61.6	61.8	61.6	60.4	63.9	64.1	64.3	64.5	64.6	64.6
36	57.1	61.9	61.8	61.7	61.6	61.6	56.4	61.5	61.8	61.6	60.3	63.9	64.1	64.3	64.5	64.6	64.6
35	57.1	61.8	61.7	61.7	61.6	61.5	56.5	61.5	61.8	61.6	60.3	63.9	64.1	64.4	64.5	64.6	64.7
34	57.1	61.8	61.7	61.7	61.5	61.5	56.4	61.5	61.7	61.5	60.3	63.9	64.1	64.4	64.6	64.6	64.7
33	57.1	61.7	61.6	61.6	61.5	61.4	56.4	61.4	61.7	61.5	60.3	63.9	64.1	64.4	64.6	64.6	64.7
32	57.1	61.6	61.6	61.6	61.4	61.4	56.4	61.4	61.6	61.5	60.2	63.9	64.1	64.4	64.6	64.6	64.7
31	57.0	61.6	61.5	61.5	61.4	61.3	56.3	61.3	61.6	61.4	60.2	63.9	64.1	64.4	64.6	64.6	64.7
30	57.0	61.5	61.4	61.4	61.3	61.2	56.3	61.3	61.5	61.3	60.2	63.9	64.1	64.4	64.6	64.6	64.7
29	56.9	61.4	61.3	61.3	61.2	61.1	56.2	61.2	61.4	61.2	60.1	63.8	64.1	64.3	64.5	64.6	64.7
28	56.8	61.3	61.2	61.2	61.1	61.0	56.1	61.1	61.3	61.1	60.0	63.8	64.0	64.3	64.5	64.6	64.7
27	56.8	61.2	61.1	61.1	61.0	60.9	56.0	61.0	61.2	61.0	60.0	63.8	64.0	64.3	64.5	64.6	64.6
26	56.6	61.0	60.9	60.9	60.8	60.7	55.9	60.8	61.0	60.9	59.9	63.7	64.0	64.3	64.5	64.6	64.6
25	56.5	60.8	60.7	60.7	60.6	60.6	55.8	60.6	60.9	60.7	59.8	63.7	63.9	64.2	64.4	64.5	64.6
24	56.3	60.6	60.5	60.5	60.4	60.4	55.6	60.4	60.7	60.5	59.7	63.6	63.9	64.2	64.4	64.4	64.5
23	56.2	60.4	60.3	60.3	60.1	60.1	55.4	60.1	60.4	60.3	59.6	63.5	63.8	64.1	64.3	64.4	64.5
22	55.9	60.1	60.0	60.0	59.8	59.8	55.2	59.9	60.1	60.0	59.4	63.4	63.7	64.0	64.2	64.3	64.4
21	55.7	59.8	59.7	59.7	59.5	59.5	54.8	59.5	59.8	59.6	59.3	63.3	63.6	63.9	64.1	64.2	64.3
20	55.4	59.5	59.3	59.3	59.2	59.1	54.4	59.1	59.4	59.3	59.1	63.2	63.4	63.7	64.0	64.0	64.1
19	55.1	59.2	59.0	59.0	58.9	58.8	54.0	58.8	59.1	58.9	58.9	63.0	63.3	63.5	63.8	63.9	63.9
18	54.7	58.9	58.7	58.7	58.5	58.5	53.5	58.5	58.7	58.6	58.7	62.9	63.1	63.4	63.6	63.6	63.7
17	54.4	58.6	58.4	58.4	58.2	58.1	53.0	58.1	58.4	58.2	58.4	62.6	62.9	63.1	63.3	63.4	63.5
16	54.1	58.2	58.0	58.0	57.8	57.7	52.5	57.7	57.9	57.8	58.1	62.4	62.6	62.9	63.0	63.1	63.2
15	53.9	57.9	57.6	57.6	57.4	57.3	52.1	57.3	57.5	57.4	57.9	62.1	62.3	62.5	62.7	62.7	62.8
14	53.5	57.5	57.2	57.2	57.0	56.9	51.5	56.8	57.1	56.9	57.6	61.8	62.0	62.2	62.3	62.3	62.4
13	53.2	57.1	56.8	56.8	56.6	56.5	51.0	56.4	56.7	56.5	57.2	61.4	61.6	61.8	61.9	61.9	62.1
12	52.9	56.8	56.4	56.4	56.2	56.1	50.6	56.0	56.3	56.1	56.8	61.0	61.2	61.4	61.5	61.6	61.7
11	52.6	56.5	56.1	56.1	55.8	55.8	50.1	55.7	56.0	55.8	56.5	60.7	60.9	61.0	61.1	61.2	61.3
10	52.4	56.2	55.8	55.8	55.6	55.5	49.8	55.4	55.7	55.5	56.2	60.3	60.4	60.6	60.7	60.7	60.8
9	52.2	55.9	55.5	55.6	55.3	55.2	49.4	55.1	55.3	55.1	55.8	59.9	60.1	60.2	60.3	60.3	60.4
8	51.8	55.7	55.2	55.3	55.0	54.9	49.0	54.8	55.1	54.8	55.4	59.6	59.7	59.9	60.0	60.0	60.1
7	51.4	55.4	55.1	55.1	54.8	54.7	48.7	54.6	54.9	54.7	55.0	59.2	59.4	59.5	59.6	59.6	59.7
6	50.8	55.1	55.0	54.9	54.7	54.5	48.5	54.5	54.7	54.5	54.6	58.9	59.1	59.2	59.3	59.3	59.4
5	49.9	54.9	54.7	54.7	54.4	54.3	48.2	54.1	54.4	54.1	54.3	58.6	58.8	58.9	59.0	59.0	59.1
4	49.0	54.4	54.3	54.3	54.0	53.9	47.8	53.7	54.0	53.7	54.1	58.3	58.5	58.6	58.7	58.7	58.8
3	48.4	54.0	53.9	53.9	53.6	53.5	47.4	53.3	53.6	53.4	53.9	58.1	58.3	58.4	58.5	58.5	58.6
2	47.9	53.6	53.6	53.6	53.3	53.1	47.0	53.0	53.3	53.1	53.7	57.9	58.1	58.2	58.3	58.3	58.3
1	47.5	53.3	53.3	53.2	53.0	52.8	46.7	52.7	53.0	52.7	53.4	57.6	57.8	57.9	57.9	57.9	58.0
Max	57.2	61.9	61.8	61.8	61.7	61.6	56.5	61.6	61.8	61.6	60.4	63.9	64.1	64.4	64.6	64.6	64.7
Min	47.5	53.3	53.3	53.2	53.0	52.8	46.7	52.7	53.0	52.7	53.4	57.6	57.8	57.9	57.9	57.9	58.0

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R603a	R603b	R604a	R604b	R605a	R605b	R606a	R606b	R607a	R607b	R608a	R608b	R608c	R608d	R609a	R609b	R609c
40																	
39																	
38	64.7	64.7	64.7	64.8	64.8	64.8	65.0	65.1	65.3	65.5	65.8	66.0	67.1	66.7	66.7	67.0	65.2
37	64.7	64.7	64.8	64.8	64.9	64.8	65.0	65.1	65.3	65.5	65.8	66.0	67.1	66.7	66.7	67.0	65.2
36	64.7	64.7	64.8	64.8	64.9	64.9	65.0	65.1	65.3	65.5	65.8	66.1	67.1	66.8	66.8	67.1	65.3
35	64.7	64.7	64.8	64.8	64.9	64.9	65.0	65.1	65.4	65.5	65.9	66.1	67.2	66.8	66.8	67.1	65.3
34	64.7	64.8	64.8	64.8	64.9	64.9	65.0	65.1	65.4	65.5	65.9	66.1	67.2	66.8	66.8	67.1	65.4
33	64.7	64.8	64.8	64.8	64.9	64.9	65.1	65.1	65.4	65.5	65.9	66.1	67.2	66.9	66.9	67.1	65.4
32	64.8	64.8	64.8	64.9	64.9	64.9	65.1	65.1	65.4	65.6	65.9	66.1	67.2	66.9	66.9	67.2	65.4
31	64.7	64.8	64.8	64.9	64.9	64.9	65.1	65.2	65.4	65.5	65.9	66.1	67.2	66.9	66.9	67.2	65.5
30	64.8	64.8	64.9	64.9	64.9	64.9	65.0	65.2	65.4	65.6	65.9	66.1	67.3	66.9	66.9	67.2	65.5
29	64.7	64.8	64.8	64.9	64.9	64.9	65.1	65.2	65.4	65.6	65.9	66.1	67.2	66.9	66.9	67.2	65.5
28	64.7	64.8	64.8	64.9	64.9	64.9	65.1	65.1	65.4	65.5	65.9	66.1	67.2	66.9	66.9	67.3	65.5
27	64.7	64.7	64.8	64.8	64.9	64.9	65.0	65.1	65.4	65.5	65.9	66.1	67.2	66.9	66.9	67.3	65.5
26	64.7	64.7	64.8	64.8	64.9	64.9	65.0	65.1	65.4	65.5	65.8	66.1	67.1	66.9	66.9	67.2	65.5
25	64.6	64.7	64.8	64.8	64.9	64.8	65.0	65.1	65.3	65.5	65.8	66.1	67.1	66.8	66.8	67.2	65.5
24	64.6	64.6	64.7	64.7	64.8	64.8	64.9	65.0	65.3	65.4	65.7	66.0	67.0	66.7	66.7	67.1	65.4
23	64.5	64.6	64.6	64.7	64.8	64.7	64.9	65.0	65.2	65.4	65.7	66.0	67.0	66.7	66.7	67.1	65.4
22	64.4	64.5	64.6	64.6	64.7	64.6	64.8	64.9	65.1	65.3	65.6	65.9	66.9	66.6	66.7	67.0	65.3
21	64.3	64.4	64.5	64.5	64.6	64.6	64.7	64.8	65.0	65.2	65.5	65.8	66.9	66.6	66.6	67.0	65.3
20	64.2	64.2	64.3	64.4	64.5	64.4	64.6	64.7	64.9	65.1	65.4	65.7	66.8	66.5	66.5	66.9	65.2
19	64.0	64.1	64.2	64.2	64.3	64.3	64.4	64.5	64.8	64.9	65.3	65.6	66.7	66.4	66.4	66.8	65.2
18	63.8	63.9	64.0	64.0	64.1	64.1	64.3	64.4	64.6	64.8	65.1	65.4	66.6	66.3	66.3	66.7	65.2
17	63.6	63.6	63.7	63.8	63.9	63.9	64.1	64.2	64.4	64.6	64.9	65.2	66.4	66.2	66.2	66.6	65.1
16	63.3	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.2	64.3	64.7	65.0	66.3	66.0	66.0	66.5	65.0
15	62.9	63.0	63.1	63.1	63.3	63.3	63.5	63.6	63.9	64.0	64.4	64.7	66.0	65.8	65.8	66.3	64.9
14	62.5	62.6	62.7	62.8	62.9	63.0	63.2	63.3	63.5	63.7	64.0	64.3	65.8	65.6	65.6	66.1	64.7
13	62.1	62.2	62.3	62.3	62.5	62.6	62.8	62.9	63.2	63.3	63.7	63.9	65.5	65.3	65.3	65.9	64.5
12	61.7	61.8	61.9	61.9	62.1	62.2	62.4	62.5	62.8	62.9	63.2	63.5	65.2	65.0	65.0	65.6	64.4
11	61.3	61.4	61.5	61.5	61.7	61.7	61.9	62.0	62.3	62.4	62.7	63.0	64.9	64.7	64.7	65.4	64.2
10	60.9	60.9	61.0	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.3	62.5	64.6	64.4	64.4	65.1	64.1
9	60.5	60.5	60.6	60.6	60.8	60.8	61.0	61.2	61.4	61.5	61.8	62.0	64.3	64.1	64.1	64.9	64.0
8	60.1	60.2	60.2	60.3	60.4	60.5	60.7	60.8	61.0	61.1	61.4	61.6	64.0	63.9	63.9	64.7	63.8
7	59.7	59.8	59.8	59.9	60.0	60.1	60.3	60.4	60.6	60.7	61.0	61.2	63.8	63.6	63.7	64.5	63.7
6	59.4	59.5	59.5	59.6	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.8	63.6	63.5	63.5	64.3	63.6
5	59.1	59.2	59.2	59.3	59.4	59.5	59.7	59.8	60.0	60.1	60.3	60.5	63.4	63.3	63.3	64.2	63.5
4	58.8	58.9	58.9	59.0	59.1	59.2	59.4	59.5	59.7	59.8	60.0	60.2	63.2	63.1	63.1	64.0	63.4
3	58.6	58.7	58.7	58.7	58.9	58.9	59.1	59.2	59.4	59.5	59.7	59.8	62.9	62.8	62.9	63.9	63.3
2	58.3	58.4	58.4	58.4	58.6	58.6	58.8	58.9	59.1	59.2	59.3	59.5	62.6	62.5	62.5	63.6	63.1
1	58.1	58.1	58.1	58.2	58.3	58.3	58.5	58.6	58.8	58.9	59.1	59.2	62.2	62.0	62.0	63.1	62.6
Max	64.8	64.8	64.9	64.9	64.9	64.9	65.1	65.2	65.4	65.6	65.9	66.1	67.3	66.9	66.9	67.3	65.5
Min	58.1	58.1	58.1	58.2	58.3	58.3	58.5	58.6	58.8	58.9	59.1	59.2	62.2	62.0	62.0	63.1	62.6

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R609d	R609e	R610a	R610b	R610c	R611a	R611b	R611c	R612a	R612b	R613a	R613b	R614a	R615a	R615b	R616a	R616b
40																	
39																	
38	63.3	62.0	61.2	60.6	60.6	60.5	60.3	59.9	59.7	59.3	59.1	58.8	58.7	59.5	60.3	61.3	61.9
37	63.3	62.1	61.3	60.7	60.7	60.5	60.3	59.9	59.7	59.3	59.2	58.8	58.7	59.5	60.4	61.3	61.9
36	63.4	62.1	61.3	60.7	60.7	60.6	60.4	60.0	59.8	59.4	59.2	58.9	58.8	59.5	60.4	61.3	62.0
35	63.4	62.2	61.4	60.8	60.8	60.6	60.5	60.0	59.8	59.4	59.2	58.9	58.8	59.6	60.5	61.3	62.0
34	63.4	62.2	61.4	60.8	60.8	60.7	60.5	60.1	59.8	59.5	59.3	58.9	58.8	59.6	60.5	61.4	62.0
33	63.5	62.2	61.5	60.9	60.9	60.7	60.5	60.1	59.9	59.5	59.3	59.0	58.9	59.6	60.5	61.4	62.1
32	63.5	62.3	61.5	60.9	60.9	60.8	60.6	60.2	60.0	59.5	59.4	59.0	58.9	59.7	60.5	61.5	62.1
31	63.6	62.3	61.5	61.0	61.0	60.8	60.6	60.2	60.0	59.6	59.4	59.1	59.0	59.7	60.6	61.5	62.1
30	63.6	62.4	61.6	61.0	61.0	60.9	60.7	60.3	60.0	59.7	59.4	59.1	59.0	59.7	60.6	61.5	62.1
29	63.6	62.4	61.7	61.1	61.1	60.9	60.7	60.3	60.1	59.7	59.5	59.1	59.0	59.8	60.6	61.6	62.2
28	63.7	62.4	61.7	61.1	61.1	61.0	60.8	60.4	60.1	59.7	59.5	59.2	59.0	59.8	60.7	61.6	62.2
27	63.7	62.5	61.7	61.2	61.2	61.0	60.8	60.4	60.1	59.8	59.5	59.2	59.1	59.8	60.7	61.6	62.2
26	63.7	62.5	61.8	61.2	61.2	61.1	60.9	60.5	60.2	59.8	59.6	59.3	59.1	59.8	60.7	61.6	62.2
25	63.7	62.4	61.8	61.3	61.3	61.1	60.9	60.5	60.2	59.8	59.6	59.3	59.2	59.9	60.7	61.6	62.2
24	63.5	62.3	61.8	61.3	61.3	61.2	61.0	60.5	60.3	59.8	59.6	59.3	59.2	59.9	60.8	61.6	62.2
23	63.5	62.3	61.9	61.4	61.3	61.2	61.0	60.6	60.3	59.9	59.7	59.3	59.2	59.9	60.7	61.7	62.3
22	63.5	62.3	61.9	61.4	61.4	61.2	61.1	60.6	60.3	59.9	59.7	59.3	59.2	59.9	60.8	61.7	62.2
21	63.5	62.3	61.9	61.4	61.4	61.3	61.1	60.6	60.4	59.9	59.7	59.3	59.2	59.9	60.8	61.7	62.2
20	63.5	62.3	62.0	61.5	61.4	61.3	61.1	60.7	60.4	59.9	59.7	59.4	59.2	59.9	60.7	61.6	62.2
19	63.5	62.3	62.0	61.5	61.5	61.4	61.1	60.7	60.4	59.9	59.7	59.4	59.3	59.9	60.7	61.6	62.2
18	63.5	62.3	62.0	61.5	61.5	61.4	61.2	60.7	60.4	59.9	59.7	59.4	59.2	59.9	60.7	61.6	62.1
17	63.4	62.3	62.0	61.6	61.5	61.4	61.2	60.7	60.4	59.9	59.7	59.4	59.2	59.8	60.7	61.6	62.1
16	63.4	62.3	62.0	61.6	61.5	61.4	61.2	60.7	60.4	59.9	59.7	59.3	59.2	59.8	60.6	61.5	62.0
15	63.4	62.3	62.0	61.6	61.5	61.4	61.2	60.7	60.4	59.9	59.6	59.3	59.2	59.7	60.5	61.4	61.9
14	63.3	62.3	62.0	61.6	61.5	61.4	61.2	60.7	60.3	59.9	59.6	59.3	59.1	59.7	60.4	61.3	61.8
13	63.2	62.2	62.0	61.6	61.5	61.4	61.2	60.7	60.3	59.7	59.5	59.1	59.0	59.5	60.3	61.2	61.6
12	63.2	62.2	61.9	61.6	61.5	61.4	61.2	60.6	60.2	59.7	59.4	59.0	58.8	59.4	60.1	61.1	61.5
11	63.1	62.2	61.9	61.6	61.5	61.3	61.1	60.6	60.1	59.5	59.2	58.8	58.6	59.1	60.0	60.9	61.3
10	63.1	62.2	61.9	61.6	61.4	61.3	61.1	60.5	60.0	59.3	58.9	58.5	58.3	58.9	59.7	60.6	61.1
9	63.1	62.2	61.9	61.6	61.4	61.3	61.0	60.3	59.7	59.0	58.6	58.2	58.0	58.6	59.4	60.4	60.8
8	63.0	62.1	61.8	61.5	61.3	61.1	60.8	60.0	59.4	58.6	58.2	57.9	57.8	58.3	59.2	60.1	60.5
7	63.0	62.1	61.8	61.5	61.2	60.9	60.5	59.7	59.0	58.2	57.9	57.7	57.6	58.1	58.9	59.9	60.3
6	62.9	62.1	61.8	61.4	61.0	60.7	60.1	59.4	58.7	58.0	57.7	57.6	57.5	57.9	58.8	59.8	60.2
5	62.9	62.1	61.7	61.3	60.8	60.4	59.8	59.1	58.5	57.8	57.6	57.5	57.4	57.9	58.7	59.7	60.1
4	62.8	61.9	61.6	61.1	60.6	60.1	59.5	58.8	58.2	57.7	57.6	57.4	57.4	57.8	58.7	59.7	60.0
3	62.6	61.7	61.2	60.7	60.2	59.7	59.0	58.4	57.9	57.5	57.4	57.4	57.3	57.8	58.6	59.6	59.9
2	62.4	61.3	60.8	60.1	59.5	59.0	58.3	57.7	57.5	57.3	57.3	57.3	57.2	57.7	58.6	59.5	59.9
1	61.9	60.6	60.1	59.4	58.7	58.1	57.6	57.2	57.2	57.1	57.2	57.2	57.2	57.6	58.5	59.5	59.8
Max	63.7	62.5	62.0	61.6	61.5	61.4	61.2	60.7	60.4	59.9	59.7	59.4	59.3	59.9	60.8	61.7	62.3
Min	61.9	60.6	60.1	59.4	58.7	58.1	57.6	57.2	57.2	57.1	57.2	57.2	57.2	57.6	58.5	59.5	59.8

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R616c	R616d	R617a	R617b	R617c	R618a	R618b	R618c	R618d	R619a	R619b	R620a	R620b	R621a	R621b	R621c	R621d
40																	
39																	
38	62.4	62.4	60.2	59.1	58.9	58.6	55.6	52.7	53.0	53.9	54.2	54.9	56.3	57.1	57.6	59.9	60.3
37	62.4	62.4	60.2	59.1	59.0	58.7	55.6	52.6	52.9	53.8	54.1	54.8	56.2	57.0	57.6	59.8	60.3
36	62.4	62.5	60.3	59.2	59.0	58.7	55.6	52.5	52.8	53.8	54.0	54.7	56.2	57.0	57.5	59.8	60.2
35	62.5	62.5	60.3	59.2	59.0	58.8	55.6	52.4	52.7	53.7	53.9	54.7	56.1	57.0	57.5	59.8	60.2
34	62.5	62.5	60.4	59.2	59.1	58.8	55.6	52.4	52.6	53.7	53.9	54.6	56.1	56.9	57.5	59.7	60.2
33	62.5	62.6	60.4	59.3	59.2	58.8	55.6	52.3	52.6	53.6	53.8	54.6	56.0	56.8	57.4	59.7	60.1
32	62.6	62.6	60.5	59.3	59.2	58.9	55.7	52.3	52.5	53.5	53.7	54.5	55.9	56.8	57.3	59.7	60.1
31	62.6	62.6	60.5	59.4	59.2	58.9	55.6	52.2	52.4	53.4	53.7	54.5	55.9	56.8	57.3	59.6	60.1
30	62.6	62.7	60.5	59.4	59.3	59.0	55.7	52.1	52.4	53.4	53.6	54.4	55.8	56.7	57.2	59.6	60.0
29	62.7	62.7	60.5	59.5	59.3	59.0	55.7	52.0	52.3	53.3	53.5	54.3	55.7	56.6	57.2	59.5	60.0
28	62.7	62.7	60.6	59.5	59.3	59.1	55.7	52.0	52.2	53.2	53.5	54.3	55.7	56.5	57.1	59.5	59.9
27	62.7	62.7	60.6	59.5	59.4	59.1	55.7	51.9	52.2	53.1	53.4	54.2	55.6	56.5	57.0	59.4	59.8
26	62.7	62.7	60.6	59.6	59.4	59.1	55.7	51.8	52.0	53.0	53.3	54.1	55.5	56.4	56.9	59.3	59.8
25	62.7	62.7	60.7	59.6	59.5	59.2	55.7	51.7	51.9	52.9	53.2	54.0	55.4	56.2	56.8	59.2	59.7
24	62.7	62.8	60.7	59.7	59.5	59.2	55.7	51.5	51.8	52.8	53.0	53.8	55.2	56.1	56.7	59.2	59.6
23	62.7	62.7	60.7	59.7	59.5	59.2	55.7	51.4	51.6	52.6	52.9	53.6	55.1	56.0	56.5	59.0	59.4
22	62.7	62.7	60.7	59.7	59.5	59.2	55.7	51.2	51.5	52.4	52.7	53.5	54.9	55.8	56.4	58.9	59.3
21	62.7	62.7	60.7	59.7	59.6	59.3	55.7	51.0	51.3	52.3	52.5	53.3	54.7	55.6	56.2	58.8	59.1
20	62.7	62.7	60.7	59.7	59.6	59.2	55.7	50.8	51.1	52.1	52.3	53.1	54.5	55.4	56.0	58.6	59.0
19	62.6	62.7	60.7	59.8	59.6	59.3	55.7	50.6	50.8	51.8	52.0	52.8	54.3	55.2	55.7	58.4	58.8
18	62.6	62.6	60.7	59.7	59.6	59.2	55.7	50.3	50.5	51.6	51.8	52.5	54.0	54.9	55.5	58.1	58.5
17	62.5	62.5	60.7	59.7	59.6	59.2	55.7	50.1	50.3	51.3	51.5	52.2	53.7	54.6	55.2	57.9	58.3
16	62.4	62.5	60.6	59.7	59.5	59.2	55.7	49.8	50.0	51.0	51.2	52.0	53.4	54.4	54.9	57.6	58.0
15	62.3	62.4	60.6	59.7	59.5	59.2	55.5	49.6	49.8	50.8	51.0	51.7	53.2	54.1	54.7	57.4	57.8
14	62.2	62.2	60.6	59.7	59.5	59.2	55.5	49.3	49.5	50.5	50.7	51.5	52.9	53.8	54.4	57.0	57.4
13	62.0	62.1	60.4	59.6	59.4	59.1	55.4	49.0	49.2	50.2	50.4	51.1	52.6	53.5	54.0	56.7	57.0
12	61.9	62.0	60.4	59.6	59.3	59.1	55.1	48.7	48.9	49.9	50.1	50.8	52.3	53.2	53.7	56.3	56.7
11	61.7	61.8	60.2	59.5	59.2	58.9	54.8	48.5	48.7	49.7	49.9	50.6	52.1	53.0	53.5	56.0	56.4
10	61.5	61.6	60.0	59.3	59.0	58.7	54.4	48.1	48.3	49.3	49.5	50.2	51.7	52.6	53.1	55.7	56.0
9	61.2	61.3	59.8	59.0	58.8	58.5	54.0	47.8	48.0	48.9	49.1	49.9	51.3	52.2	52.8	55.3	55.7
8	61.0	61.1	59.6	58.9	58.7	58.4	53.8	47.4	47.6	48.6	48.8	49.5	51.0	51.9	52.4	54.9	55.2
7	60.7	60.8	59.4	58.7	58.6	58.3	53.7	47.1	47.3	48.3	48.5	49.3	50.7	51.6	52.1	54.4	54.8
6	60.5	60.7	59.3	58.7	58.5	58.3	53.6	46.9	47.1	48.1	48.3	49.0	50.5	51.4	51.9	54.1	54.5
5	60.4	60.5	59.2	58.7	58.5	58.2	53.5	46.8	46.9	47.8	48.1	48.8	50.2	51.1	51.6	53.8	54.2
4	60.3	60.5	59.2	58.7	58.5	58.2	53.5	46.5	46.7	47.6	47.9	48.6	50.0	50.9	51.4	53.5	53.9
3	60.3	60.4	59.2	58.7	58.5	58.2	53.5	46.4	46.6	47.5	47.8	48.4	49.9	50.8	51.3	53.3	53.7
2	60.2	60.4	59.2	58.6	58.5	58.2	53.4	46.3	46.5	47.5	47.7	48.4	49.8	50.7	51.2	53.1	53.6
1	60.2	60.3	59.1	58.6	58.5	58.2	53.5	46.2	46.4	47.4	47.6	48.2	49.6	50.5	51.0	52.9	53.3
Max	62.7	62.8	60.7	59.8	59.6	59.3	55.7	52.7	53.0	53.9	54.2	54.9	56.3	57.1	57.6	59.9	60.3
Min	60.2	60.3	59.1	58.6	58.5	58.2	53.4	46.2	46.4	47.4	47.6	48.2	49.6	50.5	51.0	52.9	53.3

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R701a	R702a	R702b	R702c	R703a	R703b	R703c	R704a	R704b	R704c	R705a	R705b	R706a	R706b	R706c	R707a	R707b
40																	
39																	
38																	
37																	
36																	
35																	
34																	
33																	
32	67.1	67.2	67.1	67.0	66.8	66.7	66.6	66.4	66.4	66.5	66.6	66.9	67.0	67.8	68.3	66.0	65.1
31	67.2	67.2	67.1	67.0	66.8	66.8	66.6	66.4	66.4	66.5	66.6	66.9	67.0	67.8	68.3	66.1	65.2
30	67.2	67.2	67.1	67.0	66.9	66.8	66.6	66.4	66.5	66.5	66.6	66.9	67.0	67.8	68.4	66.2	65.3
29	67.2	67.2	67.1	67.1	66.9	66.8	66.6	66.4	66.5	66.5	66.7	66.9	67.1	67.8	68.4	66.2	65.4
28	67.2	67.2	67.1	67.1	66.9	66.8	66.6	66.4	66.4	66.5	66.6	66.9	67.1	67.9	68.5	66.4	65.6
27	67.2	67.2	67.1	67.1	66.9	66.8	66.6	66.4	66.4	66.5	66.6	66.9	67.1	67.9	68.5	66.4	65.7
26	67.2	67.2	67.1	67.1	66.9	66.8	66.6	66.4	66.4	66.5	66.6	66.9	67.1	67.9	68.5	66.5	65.8
25	67.2	67.2	67.1	67.1	66.9	66.8	66.6	66.3	66.4	66.5	66.6	66.9	67.0	67.9	68.6	66.6	65.9
24	67.1	67.2	67.1	67.0	66.8	66.7	66.6	66.3	66.4	66.4	66.6	66.8	67.0	67.9	68.6	66.7	66.0
23	67.1	67.1	67.0	67.0	66.8	66.7	66.5	66.3	66.3	66.4	66.5	66.8	67.0	67.9	68.7	66.8	66.1
22	67.0	67.1	67.0	66.9	66.8	66.7	66.5	66.2	66.3	66.3	66.5	66.8	67.0	67.9	68.7	66.9	66.3
21	66.9	67.0	66.9	66.8	66.7	66.6	66.4	66.1	66.2	66.3	66.4	66.7	66.9	67.8	68.7	67.1	66.4
20	66.9	66.9	66.8	66.8	66.7	66.5	66.4	66.0	66.1	66.2	66.4	66.6	66.9	67.7	68.7	67.2	66.6
19	66.8	66.8	66.7	66.7	66.6	66.5	66.3	65.9	66.0	66.1	66.2	66.6	66.8	67.7	68.8	67.3	66.7
18	66.7	66.7	66.6	66.6	66.5	66.4	66.2	65.8	65.9	65.9	66.1	66.4	66.7	67.6	68.8	67.4	66.9
17	66.6	66.6	66.5	66.5	66.4	66.2	66.0	65.6	65.7	65.8	66.0	66.3	66.5	67.6	68.8	67.6	67.1
16	66.4	66.5	66.4	66.3	66.2	66.1	65.9	65.4	65.5	65.6	65.8	66.2	66.4	67.5	68.8	67.7	67.2
15	66.2	66.3	66.2	66.1	66.0	65.9	65.7	65.2	65.3	65.4	65.6	65.9	66.2	67.3	68.8	67.8	67.4
14	66.0	66.1	66.0	65.9	65.8	65.7	65.4	64.9	65.0	65.1	65.3	65.7	66.0	67.2	68.7	68.0	67.5
13	65.8	65.8	65.7	65.7	65.5	65.4	65.1	64.6	64.7	64.7	65.0	65.4	65.7	67.0	68.7	68.1	67.7
12	65.5	65.5	65.4	65.4	65.2	65.1	64.8	64.2	64.3	64.4	64.6	65.1	65.4	66.9	68.7	68.3	67.9
11	65.2	65.3	65.2	65.1	65.0	64.8	64.5	63.9	64.0	64.0	64.3	64.8	65.1	66.7	68.7	68.5	68.1
10	64.9	65.0	64.9	64.8	64.7	64.5	64.2	63.5	63.6	63.6	63.9	64.5	64.8	66.6	68.7	68.6	68.3
9	64.7	64.8	64.7	64.6	64.4	64.3	63.9	63.1	63.2	63.2	63.5	64.2	64.6	66.4	68.8	68.8	68.6
8	64.4	64.5	64.4	64.3	64.2	64.0	63.6	62.7	62.8	62.8	63.2	63.9	64.3	66.3	68.8	69.0	68.8
7	64.2	64.3	64.2	64.1	63.9	63.8	63.3	62.3	62.4	62.5	62.8	63.6	64.1	66.3	68.9	69.3	69.0
6	64.1	64.2	64.0	64.0	63.8	63.6	63.1	61.9	62.1	62.1	62.5	63.4	63.9	66.2	69.0	69.5	69.2
5	63.9	64.0	63.9	63.8	63.6	63.4	62.9	61.7	61.8	61.9	62.3	63.2	63.8	66.2	69.2	69.7	69.5
4	63.8	63.9	63.7	63.6	63.4	63.3	62.7	61.4	61.5	61.5	62.0	63.0	63.6	66.2	69.3	70.0	69.8
3	63.7	63.8	63.6	63.5	63.2	63.0	62.4	61.0	61.1	61.2	61.8	62.8	63.4	66.2	69.3	70.2	70.0
2	63.6	63.7	63.5	63.4	63.1	62.7	61.8	60.4	60.6	60.7	61.4	62.6	63.3	66.3	69.5	70.3	69.3
1	62.9	63.5	63.3	63.2	62.9	62.5	61.0	59.4	59.5	59.6	60.0	61.1	62.8	66.3	69.6	66.3	62.4
Max	67.2	67.2	67.1	67.1	66.9	66.8	66.6	66.4	66.5	66.5	66.7	66.9	67.1	67.9	69.6	70.3	70.0
Min	62.9	63.5	63.3	63.2	62.9	62.5	61.0	59.4	59.5	59.6	60.0	61.1	62.8	66.2	68.3	66.0	62.4

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R707c	R708a	R708b	R708c	R708d	R709a	R709b	R709c	R710a	R710b	R710c	R711a	R711b	R712a	R712b	R713a	R713b
40																	
39																	
38																	
37																	
36																	
35																	
34																	
33																	
32	65.0	64.6	64.8	64.7	64.7	64.9	65.1	65.3	65.5	65.6	65.8	54.6	<40	<40	<40	<40	<40
31	65.1	64.6	64.9	64.8	64.8	65.0	65.2	65.4	65.6	65.7	65.9	54.7	<40	<40	<40	<40	<40
30	65.1	64.7	65.0	64.9	64.9	65.1	65.3	65.5	65.7	65.8	66.0	54.8	<40	<40	<40	<40	<40
29	65.3	64.8	65.1	65.0	65.0	65.2	65.4	65.6	65.8	65.9	66.1	54.9	<40	<40	<40	<40	<40
28	65.4	65.0	65.2	65.1	65.1	65.3	65.5	65.7	65.9	66.0	66.2	55.0	<40	<40	<40	<40	<40
27	65.5	65.1	65.3	65.2	65.2	65.4	65.7	65.8	66.0	66.1	66.3	55.2	<40	<40	<40	<40	<40
26	65.6	65.2	65.5	65.4	65.3	65.6	65.8	65.9	66.1	66.2	66.4	55.3	<40	<40	<40	<40	<40
25	65.7	65.3	65.6	65.5	65.4	65.7	65.9	66.0	66.2	66.3	66.5	55.4	<40	<40	<40	<40	<40
24	65.9	65.4	65.7	65.6	65.5	65.8	66.0	66.2	66.3	66.4	66.6	55.5	<40	<40	<40	<40	<40
23	66.0	65.6	65.8	65.7	65.7	65.9	66.1	66.3	66.4	66.5	66.7	55.7	<40	<40	<40	<40	<40
22	66.1	65.7	66.0	65.9	65.8	66.1	66.2	66.4	66.5	66.6	66.8	55.8	<40	<40	<40	<40	<40
21	66.3	65.8	66.1	66.0	65.9	66.2	66.4	66.6	66.7	66.8	66.9	55.9	<40	<40	<40	<40	<40
20	66.4	66.0	66.2	66.1	66.1	66.4	66.5	66.6	66.8	66.9	67.0	56.1	<40	<40	<40	<40	<40
19	66.5	66.1	66.3	66.3	66.2	66.5	66.7	66.8	66.9	67.0	67.2	56.2	<40	<40	<40	<40	<40
18	66.7	66.2	66.5	66.4	66.3	66.6	66.8	66.9	67.1	67.1	67.3	56.4	<40	<40	<40	<40	<40
17	66.8	66.4	66.7	66.6	66.5	66.8	66.9	67.1	67.2	67.3	67.4	56.5	<40	<40	<40	<40	<40
16	67.0	66.6	66.8	66.7	66.7	67.0	67.1	67.2	67.3	67.4	67.5	56.7	<40	<40	<40	<40	<40
15	67.2	66.7	67.0	66.9	66.8	67.1	67.3	67.4	67.5	67.6	67.7	56.8	<40	<40	<40	<40	<40
14	67.3	66.9	67.1	67.1	67.0	67.3	67.4	67.5	67.6	67.7	67.8	57.0	<40	<40	<40	<40	<40
13	67.5	67.1	67.3	67.2	67.1	67.4	67.6	67.7	67.8	67.9	68.0	57.2	<40	<40	<40	<40	<40
12	67.7	67.3	67.5	67.4	67.3	67.6	67.7	67.9	68.0	68.0	68.1	57.4	<40	<40	<40	<40	<40
11	67.9	67.4	67.7	67.6	67.5	67.8	67.9	68.0	68.1	68.2	68.3	57.6	<40	<40	<40	<40	<40
10	68.1	67.7	67.9	67.8	67.7	68.0	68.1	68.2	68.3	68.4	68.5	57.8	<40	<40	<40	<40	<40
9	68.3	67.9	68.1	67.9	67.8	68.2	68.3	68.4	68.5	68.6	68.7	57.9	<40	<40	<40	<40	<40
8	68.5	68.1	68.3	68.1	68.1	68.4	68.5	68.6	68.7	68.8	68.9	58.1	<40	<40	<40	<40	<40
7	68.8	68.3	68.5	68.4	68.3	68.6	68.7	68.8	68.9	69.0	69.1	58.4	<40	<40	<40	<40	<40
6	69.0	68.5	68.7	68.5	68.4	68.8	68.9	69.0	69.1	69.2	69.3	58.6	<40	<40	<40	<40	<40
5	69.2	68.7	68.9	68.6	68.4	69.0	69.1	69.3	69.3	69.4	69.6	58.8	<40	<40	<40	<40	<40
4	69.5	68.8	68.8	68.3	67.6	68.8	69.2	69.4	69.6	69.6	69.8	59.0	<40	<40	<40	<40	<40
3	69.4	68.0	67.3	66.2	65.0	67.4	68.6	69.2	69.6	69.8	70.0	59.3	<40	<40	<40	<40	<40
2	67.0	63.5	63.0	62.0	61.1	63.2	64.7	66.2	67.9	69.2	70.1	59.5	<40	<40	<40	<40	<40
1	59.7	57.1	56.8	56.0	55.3	56.8	58.0	59.0	60.3	61.8	65.1	57.4	<40	<40	<40	<40	<40
Max	69.5	68.8	68.9	68.6	68.4	69.0	69.2	69.4	69.6	69.8	70.1	59.5	<40	<40	<40	<40	<40
Min	59.7	57.1	56.8	56.0	55.3	56.8	58.0	59.0	60.3	61.8	65.1	54.6	<40	<40	<40	<40	<40

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R714a	R715a	R716a	R716b	R717a	R717b	R718a	R718b	R718c	R801a	R801b	R802a	R802b	R802c	R802d	R803a	R803b
40																	
39																	
38										66.3	66.4	66.5	66.7	65.6	63.5	63.3	62.7
37										66.3	66.4	66.5	66.7	65.7	63.4	63.2	62.7
36										66.3	66.4	66.5	66.7	65.7	63.4	63.2	62.6
35										66.4	66.4	66.6	66.7	65.7	63.4	63.2	62.6
34										66.5	66.5	66.6	66.8	65.8	63.4	63.2	62.6
33										66.6	66.6	66.7	66.9	65.8	63.4	63.2	62.6
32	<40	<40	<40	<40	<40	45.6	51.6	53.6	58.7	66.6	66.6	66.7	66.9	65.9	63.5	63.2	62.6
31	<40	<40	<40	<40	<40	45.7	51.7	53.7	58.7	66.7	66.8	66.8	67.0	65.9	63.5	63.2	62.6
30	<40	<40	<40	<40	<40	45.9	51.8	53.8	58.7	66.8	66.8	66.9	67.0	66.0	63.5	63.3	62.7
29	<40	<40	<40	<40	<40	46.0	52.0	53.9	58.7	66.9	66.9	67.0	67.1	66.1	63.6	63.3	62.7
28	<40	<40	<40	<40	<40	46.1	52.1	54.0	58.9	67.0	67.0	67.1	67.2	66.1	63.6	63.3	62.7
27	<40	<40	<40	<40	<40	46.2	52.2	54.1	58.9	67.1	67.1	67.1	67.2	66.2	63.6	63.4	62.8
26	<40	<40	<40	<40	<40	46.3	52.3	54.2	58.9	67.2	67.2	67.2	67.3	66.3	63.7	63.4	62.8
25	<40	<40	<40	<40	<40	46.5	52.4	54.4	58.9	67.3	67.3	67.3	67.4	66.4	63.8	63.5	62.9
24	<40	<40	<40	<40	<40	46.6	52.5	54.5	59.0	67.4	67.4	67.4	67.5	66.5	63.8	63.6	63.0
23	<40	<40	<40	<40	<40	46.7	52.7	54.6	59.0	67.5	67.5	67.5	67.6	66.6	63.9	63.7	63.1
22	<40	<40	<40	<40	<40	46.9	52.8	54.7	59.1	67.6	67.6	67.6	67.7	66.7	64.0	63.8	63.1
21	<40	<40	<40	<40	<40	47.0	52.9	54.9	59.1	67.8	67.7	67.7	67.8	66.8	64.1	63.8	63.3
20	<40	<40	<40	<40	<40	47.2	53.0	55.0	59.1	67.9	67.9	67.9	67.9	66.9	64.2	63.9	63.3
19	<40	<40	<40	<40	<40	47.3	53.2	55.1	59.1	68.0	68.0	68.0	68.0	67.1	64.4	64.1	63.5
18	<40	<40	<40	<40	<40	47.5	53.4	55.2	59.1	68.2	68.2	68.1	68.2	67.3	64.5	64.2	63.6
17	<40	<40	<40	<40	<40	47.7	53.5	55.4	59.1	68.3	68.3	68.3	68.3	67.4	64.6	64.4	63.8
16	<40	<40	<40	<40	<40	47.8	53.6	55.5	59.1	68.5	68.5	68.5	68.5	67.6	64.8	64.6	64.0
15	<40	<40	<40	<40	<40	48.0	53.8	55.7	59.1	68.7	68.6	68.6	68.7	67.7	65.0	64.7	64.1
14	<40	<40	<40	<40	<40	48.1	53.9	55.8	59.0	68.8	68.8	68.8	68.8	67.9	65.2	64.9	64.3
13	<40	<40	<40	<40	<40	48.3	54.1	56.0	59.0	69.0	69.0	69.0	69.0	68.1	65.3	65.1	64.5
12	<40	<40	<40	<40	<40	48.5	54.3	56.1	58.9	69.2	69.2	69.1	69.2	68.3	65.5	65.3	64.6
11	<40	<40	<40	<40	<40	48.8	54.5	56.3	58.9	69.4	69.4	69.3	69.4	68.5	65.7	65.4	64.8
10	<40	<40	<40	<40	<40	49.0	54.6	56.5	58.9	69.6	69.6	69.6	69.6	68.8	65.9	65.7	65.0
9	<40	<40	<40	<40	<40	49.2	54.8	56.6	58.9	69.8	69.8	69.8	69.8	69.0	66.2	65.9	65.2
8	<40	<40	<40	<40	<40	49.4	55.0	56.8	58.8	70.1	70.1	70.0	70.1	69.2	66.4	66.1	65.4
7	<40	<40	<40	<40	<40	49.6	55.2	56.9	58.8	70.3	70.3	70.3	70.3	69.5	66.6	66.3	65.6
6	<40	<40	<40	<40	<40	49.9	55.4	57.1	58.8	**70.6**	**70.6**	**70.5**	**70.5**	69.7	66.8	66.6	65.9
5	<40	<40	<40	<40	<40	50.2	55.5	57.2	58.8	**70.8**	**70.8**	**70.8**	**70.8**	70.0	67.1	66.8	66.1
4	<40	<40	<40	<40	<40	50.3	55.6	57.1	58.4	**71.1**	**71.1**	**71.1**	**71.1**	70.3	67.4	67.1	66.3
3	<40	<40	<40	<40	<40	49.9	54.6	55.9	57.5	**71.4**	**71.4**	**71.3**	**71.4**	**70.6**	67.6	67.3	66.5
2	<40	<40	<40	<40	<40	44.9	49.3	53.5	56.9	**71.7**	**71.7**	**71.7**	**71.7**	**70.9**	67.9	67.6	66.7
1	<40	<40	<40	<40	<40	<40	42.7	52.2	56.6	**72.0**	**72.0**	**72.0**	**72.0**	**71.2**	68.1	67.8	66.6
Max	<40	<40	<40	<40	<40	50.3	55.6	57.2	59.1	**72.0**	**72.0**	**72.0**	**72.0**	**71.2**	68.1	67.8	66.7
Min	<40	<40	<40	<40	<40	<40	42.7	52.2	56.6	66.3	66.4	66.5	66.7	65.6	63.4	63.2	62.6

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R803c	R803d	R804a	R804b	R804c	R805a	R805b	R806a	R806b	R807a	R807b	R808a	R808b	R809a	R809b	R809c	R809d
40																	
39																	
38	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.1	57.4
37	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.1	57.4
36	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.1	57.5
35	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.2	57.5
34	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.2	57.5
33	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.3	57.6
32	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.3	57.6
31	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.3	57.7
30	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.4	57.7
29	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.4	57.8
28	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.5	57.8
27	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.5	57.9
26	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.6	57.9
25	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.6	58.0
24	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.7	58.0
23	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.7	58.1
22	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.8	58.1
21	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.9	58.2
20	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.9	58.2
19	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.0	58.3
18	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.0	58.3
17	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.1	58.4
16	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.1	58.4
15	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.2	58.5
14	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.2	58.6
13	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.3	58.6
12	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.4	58.7
11	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.4	58.8
10	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.5	58.9
9	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.6	59.0
8	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.7	59.1
7	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.9	59.2
6	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	58.0	59.4
5	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	58.2	59.5
4	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	58.3	59.7
3	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	58.4	59.8
2	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	58.5	59.9
1	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	58.4	59.9
Max	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	58.5	59.9
Min	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.1	57.4

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R810a	R810b	R810c	R810d	R811a	R811b	R812a	R812b	R813a	R813b	R813c	R813d	R813e	R901a	R901b	R902a	R902b
40																	
39																	
38	57.7	61.9	64.1	64.1	64.2	64.3	64.4	64.6	65.6	65.9	66.0	66.3	66.3				
37	57.7	61.9	64.1	64.1	64.2	64.4	64.5	64.6	65.7	65.9	66.1	66.4	66.3				
36	57.7	62.0	64.2	64.2	64.3	64.5	64.5	64.7	65.7	66.0	66.2	66.5	66.4				
35	57.8	62.1	64.3	64.3	64.4	64.5	64.6	64.8	65.8	66.1	66.2	66.5	66.5				
34	57.8	62.1	64.3	64.4	64.5	64.6	64.7	64.8	65.9	66.1	66.3	66.6	66.6				
33	57.9	62.2	64.4	64.4	64.5	64.7	64.7	64.9	65.9	66.2	66.4	66.7	66.7				
32	57.9	62.3	64.5	64.5	64.6	64.8	64.8	65.0	66.0	66.3	66.5	66.8	66.7				
31	57.9	62.4	64.6	64.6	64.7	64.8	64.9	65.1	66.1	66.4	66.5	66.9	66.8				
30	58.0	62.4	64.7	64.7	64.8	64.9	65.0	65.2	66.2	66.5	66.6	67.0	66.9				
29	58.0	62.5	64.8	64.8	64.9	65.0	65.1	65.2	66.3	66.6	66.7	67.1	67.0				
28	58.1	62.6	64.8	64.9	65.0	65.1	65.1	65.3	66.4	66.6	66.8	67.1	67.1				
27	58.2	62.7	64.9	65.0	65.1	65.2	65.2	65.4	66.4	66.7	66.9	67.2	67.2				
26	58.2	62.8	65.0	65.1	65.2	65.2	65.3	65.5	66.5	66.8	67.0	67.3	67.3				
25	58.3	62.9	65.1	65.1	65.2	65.3	65.4	65.6	66.7	66.9	67.1	67.4	67.4				
24	58.3	62.9	65.2	65.2	65.3	65.5	65.5	65.6	66.7	67.0	67.2	67.5	67.5				
23	58.4	63.0	65.3	65.3	65.5	65.6	65.6	65.8	66.8	67.1	67.3	67.6	67.6				
22	58.4	63.1	65.4	65.5	65.6	65.6	65.7	65.9	67.0	67.2	67.4	67.8	67.8				
21	58.5	63.2	65.5	65.6	65.7	65.8	65.8	66.0	67.0	67.4	67.5	67.8	67.9				
20	58.5	63.3	65.7	65.7	65.8	65.9	65.9	66.1	67.2	67.5	67.6	68.0	68.0				
19	58.6	63.4	65.8	65.8	65.9	66.0	66.1	66.2	67.3	67.6	67.7	68.1	68.2				
18	58.7	63.5	65.9	65.9	66.0	66.1	66.2	66.3	67.4	67.7	67.9	68.2	68.3				
17	58.7	63.6	66.0	66.1	66.2	66.2	66.3	66.5	67.6	67.8	68.1	68.4	68.4				
16	58.8	63.7	66.1	66.2	66.3	66.4	66.4	66.6	67.7	68.0	68.2	68.6	68.6				
15	58.8	63.9	66.3	66.3	66.5	66.5	66.6	66.7	67.8	68.2	68.3	68.7	68.8				
14	58.9	64.0	66.4	66.5	66.6	66.7	66.7	66.8	68.0	68.3	68.5	68.9	68.9				
13	59.0	64.1	66.5	66.6	66.7	66.8	66.8	67.0	68.2	68.5	68.7	69.1	69.1				
12	59.0	64.2	66.7	66.8	66.9	66.9	67.0	67.2	68.3	68.6	68.8	69.2	69.3				
11	59.2	64.3	66.8	66.9	67.0	67.1	67.2	67.3	68.5	68.8	69.0	69.4	69.5				
10	59.3	64.5	67.0	67.1	67.2	67.3	67.3	67.5	68.7	69.0	69.2	69.6	69.7				
9	59.4	64.6	67.1	67.2	67.3	67.4	67.5	67.7	68.9	69.2	69.4	69.9	69.9	49.0	49.0	49.0	49.0
8	59.5	64.8	67.3	67.4	67.5	67.6	67.7	67.8	69.1	69.4	69.7	70.1	70.2	49.0	49.0	49.0	49.0
7	59.6	64.9	67.5	67.6	67.7	67.8	67.9	68.0	69.3	69.7	69.9	70.3	70.4	49.0	49.0	49.0	49.0
6	59.8	65.1	67.6	67.7	67.9	68.0	68.1	68.2	69.5	69.9	70.1	**70.6**	**70.7**	49.0	49.0	49.0	49.0
5	59.9	65.2	67.8	67.9	68.0	68.1	68.2	68.4	69.7	70.1	70.4	**70.9**	**71.0**	49.0	49.0	49.0	49.0
4	60.0	65.4	67.9	68.1	68.2	68.3	68.4	68.7	70.0	70.4	**70.6**	**71.2**	**71.3**	49.0	49.0	49.0	49.0
3	60.2	65.5	68.1	68.2	68.4	68.5	68.6	68.8	70.2	**70.6**	**70.9**	**71.5**	**71.6**	49.0	49.0	49.0	49.0
2	60.3	65.6	68.2	68.4	68.6	68.7	68.8	69.0	70.4	**70.9**	**71.2**	**71.8**	**71.9**	49.0	49.0	49.0	49.0
1	60.3	65.8	68.2	68.4	68.6	68.8	69.0	69.2	**70.7**	**71.1**	**71.5**	**72.1**	**72.2**	49.0	49.0	49.0	49.0
Max	60.3	65.8	68.2	68.4	68.6	68.8	69.0	69.2	**70.7**	**71.1**	**71.5**	**72.1**	**72.2**	49.0	49.0	49.0	49.0
Min	57.7	61.9	64.1	64.1	64.2	64.3	64.4	64.6	65.6	65.9	66.0	66.3	66.3	49.0	49.0	49.0	49.0

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R903a	R903b	R904a	R904b	R904c	R904d	R905a	R905b	R905c	R905d	R906a	R906b	R907a	R907b	R908a	R908b	R909a
40																	
39																	
38																	
37																	
36																	
35																	
34																	
33																	
32																	
31																	
30																	
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20																	
19																	
18																	
17																	
16																	
15																	
14																	
13																	
12																	
11																	
10																	
9	49.0	49.0	49.0	49.8	49.5	49.0	50.0	49.8	59.0	59.4	59.6	59.8	60.3	60.7	61.1	61.5	61.9
8	49.0	49.0	49.0	49.7	49.5	49.0	49.9	49.7	58.7	59.2	59.4	59.7	60.2	60.6	61.2	61.5	62.0
7	49.0	49.0	49.0	49.7	49.5	49.0	49.8	49.7	58.4	59.0	59.1	59.4	60.0	60.5	61.1	61.4	62.0
6	49.0	49.0	49.0	49.6	49.5	49.0	49.8	49.6	57.8	58.4	58.6	59.0	59.7	60.2	60.8	61.2	61.9
5	49.1	49.0	49.0	49.6	49.4	49.0	49.7	49.6	57.2	57.9	58.1	58.4	59.2	59.8	60.5	60.9	61.6
4	49.1	49.0	49.0	49.6	49.4	49.0	49.7	49.6	56.2	57.0	57.2	57.6	58.5	59.1	59.9	60.4	61.1
3	49.1	49.0	49.0	49.6	49.4	49.0	49.6	49.5	54.5	55.4	55.8	56.3	57.4	58.2	59.1	59.5	60.4
2	49.1	49.0	49.0	49.6	49.4	49.0	49.6	49.5	52.3	53.3	53.7	54.1	55.5	56.4	57.5	58.3	59.3
1	49.1	49.0	49.0	49.6	49.4	48.9	49.6	49.5	50.1	50.9	51.3	51.3	52.5	53.7	54.9	55.7	57.1
Max	49.1	49.0	49.0	49.8	49.5	49.0	50.0	49.8	59.0	59.4	59.6	59.8	60.3	60.7	61.2	61.5	62.0
Min	49.0	49.0	49.0	49.6	49.4	48.9	49.6	49.5	50.1	50.9	51.3	51.3	52.5	53.7	54.9	55.7	57.1

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R909b	R910a	R910b	R911a	R911b	R912a	R912b	R913a	R913b	R914a	R914b	R914c	R915a	R915b	R915c	R915d	R916a
40																	
39																	
38																	
37																	
36																	
35																	
34																	
33																	
32																	
31																	
30																	
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27																	
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25																	
24																	
23																	
22																	
21																	
20																	
19																	
18																	
17																	
16																	
15																	
14																	
13																	
12																	
11																	
10																	
9	62.9	63.9	64.7	65.0	65.4	64.2	64.5	65.0	66.1	66.6	66.9	66.8	66.7	66.9	65.0	62.4	61.3
8	63.0	64.0	64.9	65.1	65.5	64.3	64.6	65.1	66.2	66.8	67.0	67.0	66.9	67.0	65.1	62.5	61.5
7	63.0	64.1	64.9	65.3	65.6	64.4	64.7	65.2	66.4	66.9	67.2	67.1	67.0	67.1	65.3	62.6	61.6
6	63.0	64.1	65.0	65.4	65.7	64.5	64.8	65.3	66.5	67.1	67.4	67.3	67.2	67.3	65.4	62.8	61.7
5	62.8	64.0	65.0	65.4	65.8	64.4	64.9	65.4	66.6	67.2	67.5	67.4	67.3	67.4	65.5	62.9	61.8
4	62.5	63.8	64.9	65.3	65.8	64.3	64.8	65.4	66.7	67.4	67.7	67.6	67.4	67.5	65.6	63.0	62.0
3	62.0	63.5	64.7	65.1	65.6	64.1	64.6	65.2	66.7	67.4	67.8	67.6	67.5	67.6	65.7	63.1	62.1
2	61.3	63.0	64.3	64.8	65.4	63.8	64.4	65.0	66.6	67.3	67.8	67.7	67.5	67.6	65.9	63.3	62.2
1	59.7	62.1	63.7	64.3	65.0	63.0	63.7	64.6	66.4	67.2	67.7	67.7	67.5	67.6	66.0	63.4	62.3
Max	63.0	64.1	65.0	65.4	65.8	64.5	64.9	65.4	66.7	67.4	67.8	67.7	67.5	67.6	66.0	63.4	62.3
Min	59.7	62.1	63.7	64.3	65.0	63.0	63.7	64.6	66.1	66.6	66.9	66.8	66.7	66.9	65.0	62.4	61.3

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R916b	R917a	R917b	R918a	R918b	R918c	R918d	R918e	R919a	R919b	R1001a	R1001b	R1002a	R1002b	R1003a	R1003b	R1003c
40																	
39																	
38																	
37																	
36																	
35																	
34																	
33																	
32																	
31																	
30																	
29																	
28																	
27																	
26																	
25											59.7	59.8	60.2	61.0	61.2	63.5	65.2
24											59.5	59.6	60.0	60.8	61.0	63.3	64.9
23											59.2	59.3	59.7	60.5	60.7	62.9	64.6
22											58.8	58.9	59.3	60.1	60.3	62.5	64.2
21											58.2	58.3	58.7	59.5	59.7	62.0	63.8
20											57.6	57.6	58.1	58.9	59.1	61.5	63.3
19											56.9	57.0	57.4	58.3	58.5	61.1	62.8
18											56.1	56.2	56.7	57.6	57.8	60.4	62.3
17											55.4	55.4	56.0	57.0	57.2	59.8	61.8
16											54.7	54.7	55.3	56.4	56.6	59.2	61.2
15											54.0	54.0	54.7	55.8	56.0	58.7	60.7
14											53.4	53.4	54.1	55.3	55.4	58.2	60.3
13											52.8	52.8	53.6	54.8	54.9	57.8	59.8
12											52.3	52.3	53.1	54.3	54.5	57.5	59.5
11											51.8	51.8	52.7	53.9	54.1	57.3	59.3
10											51.5	51.5	52.3	53.5	53.7	56.8	58.8
9	60.2	59.9	59.9	59.6	59.2	59.1	59.1	49.8	49.0	49.0	50.9	50.9	51.7	52.9	53.1	56.2	58.2
8	60.3	60.0	60.0	59.8	59.2	59.2	59.2	49.7	49.0	49.0	50.3	50.3	51.2	52.4	52.6	55.7	57.8
7	60.4	60.1	60.1	59.9	59.4	59.3	59.3	49.7	49.0	49.0	49.8	49.8	50.8	52.0	52.2	55.4	57.4
6	60.5	60.3	60.2	60.0	59.5	59.4	59.4	49.7	49.0	49.0	49.4	49.4	50.3	51.6	51.8	55.0	57.1
5	60.7	60.4	60.3	60.1	59.6	59.5	59.5	49.7	49.0	49.0	49.0	49.0	49.9	51.3	51.5	54.7	56.8
4	60.8	60.5	60.4	60.2	59.7	59.6	59.6	49.6	49.0	49.0	48.6	48.6	49.5	51.0	51.1	54.3	56.4
3	60.9	60.6	60.6	60.3	59.8	59.7	59.7	49.6	49.0	49.0	48.3	48.2	49.2	50.5	50.7	53.9	56.1
2	61.0	60.7	60.7	60.4	59.9	59.8	59.8	49.6	49.0	49.0	47.9	47.9	48.9	50.2	50.3	53.6	55.7
1	61.2	60.9	60.8	60.5	60.0	59.9	59.9	49.6	49.0	49.0	47.6	47.6	48.6	49.8	50.0	53.3	55.4
Max	61.2	60.9	60.8	60.5	60.0	59.9	59.9	49.8	49.0	49.0	59.7	59.8	60.2	61.0	61.2	63.5	65.2
Min	60.2	59.9	59.9	59.6	59.2	59.1	59.1	49.6	49.0	49.0	47.6	47.6	48.6	49.8	50.0	53.3	55.4

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R1003d	R1004a	R1004b	R1004c	R1004d	R1005a	R1006a	R1006b	R1007a	R1007b	R1008a	R1008b	R1008c	R1008d	R1009a	R1009b	R1010a
40																	
39																	
38																	
37																	
36																	
35																	
34																	
33																	
32																	
31																	
30																	
29																	
28																	
27																	
26																	
25	65.3	65.3	65.3	65.2	65.0	64.1	63.7	63.2	62.7	62.6	62.2	62.1	60.8	53.6	50.4	52.2	51.6
24	65.0	65.0	65.1	65.0	64.8	63.8	63.5	62.9	62.5	62.4	62.0	61.9	60.5	53.5	50.4	52.2	51.5
23	64.7	64.8	64.8	64.7	64.5	63.6	63.3	62.7	62.2	62.2	61.8	61.6	60.3	53.3	50.4	52.2	51.6
22	64.4	64.4	64.4	64.4	64.2	63.2	62.9	62.3	61.9	61.8	61.4	61.3	59.9	53.2	50.4	52.1	51.6
21	63.9	63.9	63.9	63.9	63.7	62.8	62.5	62.0	61.5	61.5	61.1	60.9	59.6	53.0	50.4	52.1	51.6
20	63.4	63.4	63.5	63.5	63.3	62.4	62.1	61.6	61.2	61.1	60.7	60.6	59.3	52.7	50.3	52.0	51.6
19	63.0	63.0	63.0	63.0	62.8	61.9	61.7	61.2	60.8	60.7	60.4	60.2	59.0	52.5	50.3	52.0	51.6
18	62.4	62.4	62.4	62.5	62.3	61.5	61.2	60.8	60.4	60.4	60.0	59.9	58.6	52.1	50.2	51.8	51.5
17	61.9	61.9	61.9	61.9	61.7	60.9	60.6	60.3	59.9	59.9	59.5	59.4	58.1	51.8	50.1	51.7	51.4
16	61.3	61.3	61.3	61.4	61.2	60.4	60.1	59.8	59.5	59.4	59.0	58.9	57.7	51.4	49.9	51.6	51.3
15	60.8	60.8	60.8	60.8	60.7	60.0	59.7	59.4	59.0	58.9	58.6	58.4	57.3	51.0	49.7	51.3	51.1
14	60.4	60.4	60.4	60.4	60.3	59.5	59.3	59.0	58.6	58.5	58.1	58.0	56.9	50.8	49.5	51.2	51.0
13	60.0	59.9	59.9	60.0	59.9	59.1	58.9	58.6	58.2	58.1	57.7	57.6	56.5	50.3	49.3	51.0	50.9
12	59.7	59.6	59.6	59.7	59.5	58.7	58.5	58.2	57.8	57.7	57.4	57.2	56.2	49.8	49.1	50.9	50.7
11	59.4	59.4	59.3	59.5	59.2	58.4	58.2	57.9	57.6	57.4	57.1	57.0	55.8	49.4	48.9	50.6	50.6
10	58.9	58.9	58.7	58.9	58.8	58.1	57.9	57.7	57.4	57.3	57.0	56.7	55.6	49.0	48.6	50.3	50.2
9	58.3	58.3	58.2	58.4	58.2	57.6	57.4	57.1	56.9	56.7	56.5	56.3	55.4	48.4	48.2	49.8	49.8
8	57.9	57.9	57.8	58.0	57.8	57.1	57.0	56.7	56.4	56.2	56.0	55.8	54.9	48.1	48.0	49.5	49.5
7	57.5	57.5	57.4	57.5	57.4	56.7	56.5	56.3	56.0	55.8	55.6	55.4	54.4	47.8	47.7	49.1	49.1
6	57.2	57.1	57.1	57.2	57.1	56.4	56.2	56.0	55.6	55.5	55.3	55.1	54.1	47.6	47.6	49.0	48.9
5	56.9	56.8	56.7	56.8	56.7	56.1	55.9	55.7	55.3	55.3	55.0	54.8	53.8	47.4	47.5	48.8	48.8
4	56.5	56.5	56.4	56.4	56.3	55.7	55.5	55.3	55.0	54.9	54.7	54.5	53.4	46.9	47.5	48.7	48.8
3	56.1	56.1	56.0	56.0	55.9	55.3	55.1	54.9	54.6	54.5	54.3	54.1	53.1	46.5	47.4	48.5	48.7
2	55.7	55.7	55.6	55.6	55.5	54.9	54.7	54.5	54.2	54.1	53.8	53.7	52.7	46.0	47.0	48.3	48.7
1	55.4	55.4	55.3	55.3	55.2	54.6	54.4	54.1	53.7	53.4	53.1	52.9	52.1	44.4	46.0	48.1	48.7
Max	65.3	65.3	65.3	65.2	65.0	64.1	63.7	63.2	62.7	62.6	62.2	62.1	60.8	53.6	50.4	52.2	51.6
Min	55.4	55.4	55.3	55.3	55.2	54.6	54.4	54.1	53.7	53.4	53.1	52.9	52.1	44.4	46.0	48.1	48.7

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R1010b	R1011a	R1012a	R1012b	R1012c	R1012d	R1013a	R1013b	R1013c	R1013d	R1101a	R1101b	R1101c	R1101d	R1101e	R1102a	R1102b
40																	
39																	
38																	
37											66.4	66.2	64.2	64.0	63.7	62.7	60.7
36											66.4	66.2	64.2	64.0	63.7	62.7	60.7
35											66.4	66.3	64.3	64.0	63.7	62.7	60.7
34											66.4	66.3	64.3	64.0	63.8	62.8	60.7
33											66.5	66.3	64.3	64.0	63.8	62.8	60.8
32											66.5	66.3	64.3	64.1	63.8	62.8	60.8
31											66.5	66.3	64.3	64.0	63.8	62.8	60.8
30											66.5	66.3	64.3	64.0	63.8	62.8	60.8
29											66.4	66.3	64.3	64.1	63.8	62.8	60.8
28											66.5	66.3	64.3	64.0	63.8	62.8	60.8
27											66.4	66.3	64.3	64.0	63.8	62.8	60.8
26											66.4	66.2	64.3	64.0	63.7	62.8	60.8
25	52.0	52.3	52.6	53.2	59.2	60.3	60.3	62.8	62.7	61.5	66.4	66.2	64.2	64.0	63.7	62.8	60.8
24	52.0	52.4	52.6	53.2	59.0	60.1	60.2	62.5	62.5	61.2	66.3	66.1	64.2	64.0	63.7	62.7	60.8
23	52.0	52.4	52.6	53.2	58.8	59.9	59.9	62.2	62.1	60.9	66.3	66.1	64.2	63.9	63.6	62.7	60.8
22	52.0	52.4	52.7	53.2	58.4	59.5	59.5	61.8	61.7	60.5	66.2	66.0	64.1	63.9	63.6	62.6	60.7
21	52.0	52.4	52.7	53.2	58.1	59.1	59.1	61.4	61.3	60.0	66.1	65.9	64.1	63.8	63.5	62.5	60.6
20	52.0	52.4	52.7	53.1	57.6	58.6	58.6	61.0	60.8	59.5	66.0	65.8	64.0	63.7	63.4	62.5	60.6
19	52.0	52.4	52.6	53.1	57.2	58.2	58.1	60.6	60.4	58.9	65.9	65.7	63.9	63.6	63.3	62.4	60.5
18	52.0	52.3	52.6	53.0	56.7	57.7	57.6	60.1	59.8	58.3	65.7	65.5	63.7	63.5	63.2	62.3	60.3
17	51.9	52.3	52.5	52.9	56.3	57.2	57.1	59.6	59.2	57.7	65.5	65.3	63.6	63.3	63.0	62.1	60.2
16	51.7	52.2	52.5	52.8	55.9	56.8	56.6	59.2	58.7	57.2	65.2	65.0	63.3	63.1	62.8	61.9	60.0
15	51.6	52.0	52.3	52.7	55.5	56.3	56.1	58.7	58.2	56.6	64.9	64.7	63.1	62.9	62.6	61.7	59.9
14	51.5	51.9	52.2	52.6	55.2	56.0	55.7	58.3	57.8	56.1	64.5	64.4	62.8	62.6	62.3	61.5	59.6
13	51.4	51.8	52.2	52.6	54.9	55.6	55.3	57.9	57.3	55.7	64.1	64.0	62.4	62.2	62.0	61.2	59.3
12	51.2	51.7	52.1	52.4	54.5	55.3	54.9	57.6	56.9	55.2	63.7	63.6	62.0	61.9	61.6	60.8	59.0
11	51.0	51.5	51.8	52.2	54.2	54.9	54.5	57.3	56.6	54.8	63.2	63.1	61.6	61.5	61.2	60.5	58.7
10	50.7	51.2	51.6	51.9	53.9	54.6	54.1	57.1	56.5	54.6	62.6	62.6	61.1	61.0	60.7	60.0	58.2
9	50.3	50.8	51.1	51.5	53.5	54.2	53.7	56.6	56.0	54.1	62.1	62.1	60.6	60.5	60.3	59.6	57.9
8	50.0	50.5	50.8	51.1	53.1	53.8	53.2	56.1	55.5	53.5	61.6	61.6	60.1	60.0	59.9	59.2	57.4
7	49.7	50.2	50.6	50.9	52.8	53.4	52.8	55.7	55.0	53.1	61.1	61.1	59.6	59.5	59.3	58.7	57.0
6	49.5	50.0	50.4	50.8	52.6	53.2	52.4	55.3	54.6	52.8	60.7	60.7	59.2	59.1	58.9	58.2	56.5
5	49.4	50.0	50.3	50.7	52.4	52.9	52.1	55.0	54.3	52.4	60.4	60.4	58.8	58.7	58.5	57.8	56.0
4	49.3	49.9	50.3	50.7	52.2	52.7	51.9	54.8	54.0	52.1	60.0	60.1	58.5	58.4	58.2	57.4	55.7
3	49.3	49.9	50.3	50.6	52.1	52.6	51.7	54.6	53.7	51.8	59.6	59.6	58.1	58.0	57.8	57.0	55.2
2	49.3	49.9	50.2	50.6	52.0	52.4	51.5	54.3	53.3	51.4	59.1	59.1	57.7	57.7	57.4	56.6	54.7
1	49.3	49.8	50.2	50.5	51.9	52.2	51.3	54.0	53.0	51.0	58.6	58.7	57.3	57.2	57.0	56.2	54.2
Max	52.0	52.4	52.7	53.2	59.2	60.3	60.3	62.8	62.7	61.5	66.5	66.3	64.3	64.1	63.8	62.8	60.8
Min	49.3	49.8	50.2	50.5	51.9	52.2	51.3	54.0	53.0	51.0	58.6	58.7	57.3	57.2	57.0	56.2	54.2

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R1103a	R1103b	R1104a	R1104b	R1104c	R1104d	R1105a	R1105b	R1105c	R1105d	R1106a	R1106b	R1107a	R1107b	R1108a	R1108b	R1109a
40																	
39																	
38																	
37	61.7	62.2	62.0	62.1	60.1	51.7	51.5	61.8	61.5	61.4	61.3	61.2	<40	60.9	60.7	60.2	59.7
36	61.7	62.2	62.1	62.1	60.1	51.7	51.6	61.8	61.5	61.4	61.4	61.2	<40	60.9	60.7	60.2	59.8
35	61.7	62.2	62.1	62.2	60.2	51.7	51.6	61.8	61.6	61.4	61.4	61.3	<40	61.0	60.8	60.3	59.9
34	61.7	62.3	62.1	62.2	60.2	51.8	51.6	61.9	61.6	61.5	61.4	61.3	<40	61.0	60.8	60.3	60.0
33	61.7	62.3	62.1	62.2	60.2	51.8	51.7	61.9	61.6	61.5	61.5	61.4	<40	61.1	60.9	60.4	60.0
32	61.7	62.3	62.1	62.2	60.2	51.9	51.7	61.9	61.6	61.5	61.5	61.4	<40	61.1	60.9	60.4	60.1
31	61.8	62.3	62.1	62.2	60.2	51.9	51.8	62.0	61.7	61.6	61.5	61.4	<40	61.1	61.0	60.5	60.1
30	61.8	62.3	62.1	62.2	60.2	52.0	51.9	62.0	61.7	61.6	61.6	61.5	<40	61.2	61.0	60.5	60.2
29	61.8	62.3	62.1	62.2	60.2	52.0	51.9	62.0	61.7	61.6	61.6	61.5	<40	61.2	61.1	60.6	60.2
28	61.7	62.3	62.1	62.2	60.2	52.1	52.0	62.0	61.7	61.6	61.6	61.5	<40	61.3	61.1	60.6	60.3
27	61.8	62.3	62.1	62.2	60.3	52.2	52.0	62.0	61.7	61.6	61.6	61.5	<40	61.3	61.1	60.6	60.3
26	61.8	62.3	62.1	62.2	60.2	52.2	52.1	62.0	61.7	61.6	61.6	61.6	<40	61.3	61.2	60.7	60.4
25	61.7	62.3	62.0	62.2	60.2	52.3	52.1	62.0	61.7	61.6	61.6	61.5	<40	61.3	61.2	60.7	60.4
24	61.7	62.2	62.0	62.1	60.1	52.3	52.2	62.0	61.7	61.6	61.6	61.5	<40	61.3	61.2	60.7	60.4
23	61.6	62.2	62.0	62.1	60.1	52.4	52.3	62.0	61.6	61.6	61.5	61.5	<40	61.3	61.2	60.7	60.5
22	61.6	62.1	61.9	62.0	60.1	52.5	52.3	61.9	61.5	61.5	61.5	61.4	<40	61.3	61.2	60.7	60.4
21	61.5	62.1	61.9	61.9	60.1	52.5	52.4	61.8	61.4	61.4	61.4	61.3	<40	61.2	61.1	60.7	60.4
20	61.5	62.0	61.8	61.9	60.0	52.6	52.5	61.7	61.3	61.3	61.3	61.2	<40	61.1	61.0	60.6	60.3
19	61.4	61.9	61.7	61.8	59.9	52.6	52.5	61.5	61.1	61.1	61.1	61.0	<40	61.0	60.9	60.4	60.2
18	61.3	61.7	61.6	61.7	59.8	52.7	52.6	61.3	60.9	60.9	60.9	60.9	<40	60.7	60.7	60.2	60.0
17	61.1	61.6	61.4	61.6	59.7	52.7	52.6	61.0	60.5	60.5	60.5	60.5	<40	60.4	60.3	59.9	59.7
16	61.0	61.5	61.3	61.4	59.5	52.8	52.7	60.6	60.1	60.1	60.1	60.1	<40	60.0	59.9	59.5	59.3
15	60.8	61.3	61.0	61.2	59.3	52.8	52.7	60.2	59.6	59.5	59.5	59.5	<40	59.4	59.3	58.9	58.7
14	60.5	61.0	60.8	60.9	59.1	52.9	52.8	59.6	58.8	58.8	58.8	58.7	<40	58.5	58.4	58.0	57.7
13	60.2	60.7	60.5	60.6	58.8	52.9	52.8	59.2	58.2	58.1	58.1	58.0	<40	57.8	57.6	57.2	56.9
12	59.9	60.4	60.2	60.3	58.5	53.0	52.8	58.7	57.6	57.5	57.4	57.3	<40	56.9	56.8	56.4	56.0
11	59.6	60.1	59.9	60.0	58.2	52.9	52.8	58.2	56.9	56.8	56.7	56.6	<40	56.2	56.0	55.6	55.3
10	59.1	59.6	59.4	59.6	57.8	52.9	52.8	57.8	56.3	56.2	56.1	56.0	<40	55.6	55.4	55.0	54.6
9	58.8	59.3	59.1	59.3	57.5	52.9	52.8	57.4	55.8	55.7	55.6	55.4	<40	55.1	54.8	54.4	54.0
8	58.3	58.8	58.7	58.8	57.2	52.9	52.7	57.1	55.3	55.2	55.1	54.9	<40	54.5	54.3	53.8	53.4
7	57.9	58.4	58.2	58.3	56.7	52.8	52.7	56.8	54.9	54.8	54.7	54.5	<40	54.1	53.8	53.4	53.0
6	57.4	57.9	57.7	57.9	56.2	52.6	52.5	56.5	54.5	54.4	54.3	54.2	<40	53.7	53.5	53.0	52.5
5	56.9	57.4	57.3	57.4	55.8	52.4	52.4	56.3	54.2	54.1	54.0	53.8	<40	53.3	53.0	52.5	52.0
4	56.6	57.1	56.9	57.0	55.3	52.2	52.1	56.0	53.9	53.7	53.6	53.4	<40	52.8	52.5	52.0	51.5
3	56.1	56.6	56.4	56.6	54.9	51.8	51.8	55.5	53.3	53.2	53.0	52.8	<40	52.3	52.0	51.5	51.0
2	55.6	56.1	55.9	56.1	54.3	51.3	51.3	55.0	52.9	52.7	52.6	52.3	<40	51.8	51.6	51.1	50.6
1	55.2	55.7	55.4	55.6	53.6	50.7	50.7	54.5	52.5	52.3	52.2	52.0	<40	51.5	51.2	50.8	50.3
Max	61.8	62.3	62.1	62.2	60.3	53.0	52.8	62.0	61.7	61.6	61.6	61.6	<40	61.3	61.2	60.7	60.5
Min	55.2	55.7	55.4	55.6	53.6	50.7	50.7	54.5	52.5	52.3	52.2	52.0	<40	51.5	51.2	50.8	50.3

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R1110a	R1110b	R1110c	R1111a	R1111b	R1111c	R1111d	R1112a	R1112b	R1112c	R1112d	R1113a	R1113b	R1201a	R1201b	R1201c	R1201d
40																	
39																	
38																	
37	59.5	59.4	59.5	59.4	59.6	64.5	64.6	64.7	66.4	66.7	66.6	66.6	66.5				
36	59.5	59.5	59.6	59.5	59.6	64.5	64.6	64.7	66.4	66.7	66.6	66.6	66.5				
35	59.6	59.6	59.6	59.6	59.7	64.5	64.6	64.7	66.4	66.7	66.6	66.6	66.5				
34	59.7	59.6	59.7	59.7	59.7	64.6	64.6	64.7	66.4	66.7	66.6	66.6	66.5				
33	59.8	59.7	59.8	59.8	59.8	64.6	64.7	64.8	66.4	66.8	66.7	66.7	66.5				
32	59.8	59.8	59.9	59.8	59.9	64.6	64.7	64.8	66.5	66.8	66.7	66.7	66.5				
31	59.9	59.8	59.9	59.9	60.0	64.7	64.7	64.8	66.5	66.8	66.7	66.7	66.5				
30	59.9	59.9	60.0	60.0	60.0	64.7	64.7	64.8	66.5	66.8	66.7	66.7	66.6				
29	60.0	60.0	60.1	60.0	60.1	64.7	64.7	64.7	66.5	66.8	66.7	66.7	66.5				
28	60.1	60.0	60.1	60.1	60.2	64.7	64.6	64.7	66.5	66.8	66.7	66.7	66.5				
27	60.1	60.1	60.2	60.2	60.3	64.7	64.6	64.8	66.5	66.8	66.7	66.6	66.5				
26	60.2	60.2	60.3	60.2	60.3	64.7	64.6	64.7	66.4	66.7	66.6	66.6	66.5				
25	60.2	60.2	60.3	60.3	60.4	64.7	64.6	64.7	66.4	66.7	66.6	66.6	66.5				
24	60.3	60.3	60.4	60.3	60.4	64.7	64.5	64.6	66.4	66.7	66.6	66.5	66.4	<40	<40	63.7	63.9
23	60.3	60.3	60.4	60.3	60.4	64.7	64.5	64.6	66.3	66.6	66.5	66.5	66.4	<40	<40	63.7	63.8
22	60.3	60.3	60.4	60.4	60.5	64.6	64.4	64.5	66.2	66.6	66.4	66.4	66.3	<40	<40	63.5	63.7
21	60.3	60.3	60.3	60.4	60.5	64.5	64.3	64.4	66.2	66.5	66.3	66.3	66.2	<40	<40	63.3	63.5
20	60.2	60.2	60.3	60.3	60.4	64.5	64.2	64.3	66.0	66.3	66.2	66.2	66.1	<40	<40	63.0	63.2
19	60.1	60.1	60.2	60.2	60.3	64.3	64.0	64.2	65.9	66.2	66.1	66.1	65.9	<40	<40	62.6	62.7
18	59.9	59.9	60.0	60.0	60.2	64.2	63.9	64.0	65.7	66.0	65.9	65.9	65.7	<40	<40	61.9	62.0
17	59.6	59.6	59.7	59.7	59.9	64.0	63.7	63.8	65.5	65.8	65.7	65.7	65.5	<40	<40	61.0	61.1
16	59.2	59.2	59.3	59.3	59.4	63.7	63.4	63.5	65.2	65.5	65.4	65.4	65.3	<40	<40	60.1	60.1
15	58.6	58.6	58.7	58.6	58.7	63.3	63.1	63.2	64.9	65.2	65.1	65.1	64.9	<40	<40	59.2	59.3
14	57.6	57.5	57.6	57.5	57.6	62.8	62.7	62.8	64.5	64.8	64.7	64.7	64.5	<40	<40	58.4	58.5
13	56.6	56.6	56.7	56.6	56.7	62.2	62.3	62.4	64.1	64.3	64.3	64.3	64.1	<40	<40	57.7	57.8
12	55.8	55.7	55.7	55.7	55.7	61.6	61.8	61.9	63.5	63.9	63.8	63.8	63.6	<40	<40	57.1	57.2
11	55.0	54.9	54.9	54.9	54.9	61.2	61.4	61.5	63.0	63.3	63.3	63.3	63.1	<40	<40	56.7	56.8
10	54.3	54.2	54.3	54.2	54.3	60.7	60.9	61.0	62.5	62.8	62.7	62.7	62.5	<40	<40	56.2	56.2
9	53.7	53.6	53.6	53.5	53.6	60.1	60.4	60.4	61.9	62.2	62.1	62.1	62.0	<40	<40	55.5	55.5
8	53.1	53.0	53.1	52.9	53.0	59.6	59.8	59.9	61.3	61.7	61.6	61.6	61.4	<40	<40	54.9	55.0
7	52.7	52.5	52.6	52.4	52.5	59.1	59.4	59.4	60.9	61.2	61.1	61.1	60.9	<40	<40	54.4	54.4
6	52.2	52.0	52.1	51.9	51.9	58.5	58.9	59.0	60.4	60.8	60.7	60.7	60.5	<40	<40	53.9	53.9
5	51.7	51.5	51.5	51.3	51.4	58.1	58.5	58.6	60.0	60.4	60.4	60.3	60.2	<40	<40	53.4	53.4
4	51.1	50.9	51.0	50.8	50.8	57.7	58.1	58.2	59.5	59.9	59.9	59.9	59.7	<40	<40	52.9	52.9
3	50.6	50.4	50.5	50.3	50.4	57.5	57.7	57.9	59.2	59.5	59.5	59.5	59.3	<40	<40	52.6	52.5
2	50.2	50.1	50.2	50.1	50.1	57.1	57.3	57.4	58.6	59.0	59.0	59.0	58.7	<40	<40	52.1	52.1
1	49.9	49.6	49.7	49.5	49.5	56.5	56.8	56.9	58.1	58.5	58.5	58.5	58.3	<40	<40	51.7	51.7
Max	60.3	60.3	60.4	60.4	60.5	64.7	64.7	64.8	66.5	66.8	66.7	66.7	66.6	<40	<40	63.7	63.9
Min	49.9	49.6	49.7	49.5	49.5	56.5	56.8	56.9	58.1	58.5	58.5	58.5	58.3	<40	<40	51.7	51.7

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R1202a	R1202b	R1202c	R1202d	R1203a	R1204a	R1204b	R1205a	R1205b	R1206a	R1206b	R1206c	R1206d	R1207a	R1207b	R1208a	R1208b
40																	
39																	
38																	
37																	
36																	
35																	
34																	
33																	
32																	
31																	
30																	
29																	
28																	
27																	
26																	
25																	
24	64.4	67.5	68.9	69.0	68.9	69.1	69.0	69.2	69.4	69.8	69.9	69.8	69.2	69.0	68.7	68.5	68.3
23	64.3	67.3	68.8	68.9	68.8	68.9	68.9	69.0	69.3	69.7	69.7	69.7	69.1	68.9	68.6	68.3	68.2
22	64.2	67.1	68.7	68.7	68.6	68.8	68.7	68.9	69.1	69.6	69.6	69.5	69.0	68.7	68.5	68.2	68.1
21	64.0	66.9	68.4	68.5	68.4	68.5	68.5	68.6	68.9	69.3	69.4	69.3	68.8	68.5	68.3	68.0	67.9
20	63.7	66.6	68.1	68.2	68.1	68.2	68.2	68.3	68.6	69.1	69.1	69.0	68.5	68.3	68.0	67.8	67.7
19	63.2	66.1	67.7	67.8	67.6	67.8	67.7	67.9	68.2	68.7	68.7	68.7	68.2	67.9	67.7	67.5	67.4
18	62.5	65.4	67.1	67.2	67.1	67.2	67.2	67.4	67.7	68.2	68.2	68.2	67.7	67.5	67.3	67.1	67.0
17	61.6	64.6	66.4	66.5	66.5	66.6	66.6	66.8	67.2	67.7	67.8	67.7	67.3	67.1	66.8	66.6	66.6
16	60.7	63.8	65.7	65.8	65.8	66.0	66.0	66.2	66.6	67.2	67.2	67.2	66.8	66.6	66.3	66.2	66.1
15	59.8	63.0	65.0	65.1	65.2	65.3	65.4	65.6	66.0	66.5	66.6	66.6	66.2	66.0	65.8	65.6	65.5
14	59.0	62.2	64.3	64.4	64.5	64.6	64.7	64.9	65.3	65.9	66.0	65.9	65.6	65.4	65.2	65.0	65.0
13	58.3	61.6	63.8	63.8	63.9	64.0	64.1	64.3	64.7	65.3	65.4	65.3	65.0	64.8	64.6	64.5	64.4
12	57.8	61.2	63.3	63.3	63.4	63.5	63.6	63.8	64.1	64.7	64.8	64.8	64.4	64.3	64.1	64.0	63.9
11	57.4	60.9	62.9	62.9	63.0	63.1	63.2	63.4	63.7	64.2	64.4	64.4	63.9	63.8	63.6	63.4	63.3
10	56.7	60.0	62.2	62.2	62.3	62.4	62.5	62.7	63.1	63.6	63.7	63.7	63.4	63.3	63.1	63.0	62.9
9	56.0	59.4	61.6	61.6	61.7	61.8	61.9	62.0	62.4	62.9	63.0	63.1	62.8	62.6	62.4	62.3	62.3
8	55.5	58.8	61.0	61.1	61.1	61.3	61.4	61.5	61.9	62.4	62.5	62.5	62.2	62.1	61.9	61.8	61.8
7	55.0	58.3	60.6	60.6	60.7	60.8	60.9	61.0	61.4	61.8	62.0	62.0	61.7	61.6	61.4	61.3	61.3
6	54.4	57.8	60.1	60.1	60.2	60.3	60.4	60.6	61.0	61.4	61.5	61.6	61.2	61.1	61.0	60.9	60.8
5	54.0	57.3	59.7	59.7	59.7	59.9	59.9	60.1	60.4	60.8	61.0	61.0	60.7	60.5	60.4	60.3	60.2
4	53.5	56.9	59.2	59.3	59.3	59.4	59.5	59.6	59.9	60.2	60.4	60.4	60.1	60.0	59.8	59.7	59.7
3	53.1	56.5	58.7	58.8	58.8	59.0	59.0	59.2	59.4	59.7	59.9	60.0	59.7	59.5	59.4	59.3	59.2
2	52.7	56.1	58.3	58.4	58.4	58.5	58.6	58.7	59.0	59.3	59.5	59.5	59.2	59.1	58.9	58.8	58.8
1	52.3	55.7	58.0	58.0	58.0	58.1	58.2	58.3	58.6	58.8	59.1	59.1	58.8	58.7	58.5	58.4	58.4
Max	64.4	67.5	68.9	69.0	68.9	69.1	69.0	69.2	69.4	69.8	69.9	69.8	69.2	69.0	68.7	68.5	68.3
Min	52.3	55.7	58.0	58.0	58.0	58.1	58.2	58.3	58.6	58.8	59.1	59.1	58.8	58.7	58.5	58.4	58.4

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R1209a	R1210a	R1210b	R1210c	R1210d	R1211a	R1211b	R1211c	R1211d	R1212a	R1212b	R1213a	R1213b	R1301a	R1301b	R1302a	R1302b
40														69.9	68.3	67.7	66.4
39														70.0	68.4	67.7	66.5
38														70.0	68.4	67.8	66.5
37														70.1	68.5	67.8	66.6
36														70.1	68.6	67.9	66.7
35														70.2	68.6	68.0	66.7
34														70.2	68.7	68.0	66.8
33														70.2	68.7	68.1	66.8
32														70.3	68.7	68.1	66.9
31														70.3	68.8	68.1	66.9
30														70.3	68.8	68.2	67.0
29														70.3	68.9	68.2	67.0
28														70.4	68.9	68.3	67.0
27														70.4	68.9	68.3	67.0
26														70.4	68.9	68.3	67.0
25														70.3	68.9	68.3	67.0
24	68.1	67.9	67.7	65.9	61.3	60.8	60.0	<40	<40	<40	<40	<40	<40	70.3	68.9	68.3	67.0
23	67.9	67.8	67.6	65.8	61.2	60.7	60.0	<40	<40	<40	<40	<40	<40	70.2	68.9	68.2	67.0
22	67.8	67.7	67.5	65.7	61.2	60.6	59.8	<40	<40	<40	<40	<40	<40	70.2	68.8	68.2	66.9
21	67.6	67.5	67.3	65.5	61.0	60.5	59.7	<40	<40	<40	<40	<40	<40	70.0	68.7	68.1	66.8
20	67.4	67.2	67.1	65.4	60.9	60.3	59.5	<40	<40	<40	<40	<40	<40	69.8	68.6	68.0	66.7
19	67.1	66.9	66.8	65.1	60.7	60.1	59.4	<40	<40	<40	<40	<40	<40	69.7	68.4	67.8	66.5
18	66.7	66.6	66.4	64.9	60.4	59.9	59.1	<40	<40	<40	<40	<40	<40	69.3	68.1	67.5	66.2
17	66.3	66.2	66.0	64.5	60.1	59.6	58.8	<40	<40	<40	<40	<40	<40	68.9	67.7	67.1	65.9
16	65.8	65.7	65.6	64.0	59.7	59.2	58.4	<40	<40	<40	<40	<40	<40	68.3	67.1	66.6	65.3
15	65.3	65.2	65.0	63.6	59.2	58.7	57.9	<40	<40	<40	<40	<40	<40	67.6	66.3	65.8	64.5
14	64.8	64.7	64.5	63.1	58.7	58.2	57.4	<40	<40	<40	<40	<40	<40	66.9	65.5	65.0	63.7
13	64.2	64.1	64.0	62.6	58.3	57.7	56.9	<40	<40	<40	<40	<40	<40	66.1	64.6	64.1	62.8
12	63.7	63.5	63.4	62.1	57.9	57.3	56.4	<40	<40	<40	<40	<40	<40	65.1	63.4	62.9	61.6
11	63.1	63.0	62.9	61.5	57.3	56.7	55.9	<40	<40	<40	<40	<40	<40	64.2	62.4	61.8	60.6
10	62.7	62.6	62.4	61.0	56.6	56.0	55.2	<40	<40	<40	<40	<40	<40	63.4	61.5	60.9	59.7
9	62.1	62.1	62.0	60.5	56.1	55.4	54.6	<40	<40	<40	<40	<40	<40	62.7	60.5	59.9	58.7
8	61.6	61.5	61.4	60.1	55.6	54.9	54.1	<40	<40	<40	<40	<40	<40	61.9	59.4	58.7	57.5
7	61.1	61.0	60.9	59.6	55.1	54.4	53.6	<40	<40	<40	<40	<40	<40	61.1	58.3	57.6	56.6
6	60.7	60.6	60.5	59.2	54.7	54.0	53.1	<40	<40	<40	<40	<40	<40	60.3	57.4	56.7	55.8
5	60.1	60.0	60.0	58.7	54.2	53.6	52.8	<40	<40	<40	<40	<40	<40	59.7	56.6	55.9	55.0
4	59.6	59.5	59.5	58.1	53.5	52.9	52.1	<40	<40	<40	<40	<40	<40	59.1	55.8	55.1	54.3
3	59.1	59.1	59.0	57.6	52.8	52.2	51.4	<40	<40	<40	<40	<40	<40	58.5	55.1	54.4	53.7
2	58.7	58.6	58.6	57.2	52.2	51.7	50.8	<40	<40	<40	<40	<40	<40	58.0	54.4	53.8	53.2
1	58.3	58.2	58.2	56.7	51.5	51.1	50.3	<40	<40	<40	<40	<40	<40	57.5	53.8	53.1	52.6
Max	68.1	67.9	67.7	65.9	61.3	60.8	60.0	<40	<40	<40	<40	<40	<40	70.4	68.9	68.3	67.0
Min	58.3	58.2	58.2	56.7	51.5	51.1	50.3	<40	<40	<40	<40	<40	<40	57.5	53.8	53.1	52.6

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R1302c	R1302d	R1302e	R1303a	R1303b	R1304a	R1304b	R1305a	R1305b	R1306a	R1306b	R1307a	R1307b	R1307c	R1307d	R1308a	R1308b
40	66.1	60.7	60.9	60.9	61.1	61.3	61.3	61.4	61.7	61.9	62.0	62.4	63.4	65.3	68.7	69.0	69.3
39	66.2	60.7	60.9	61.0	61.2	61.3	61.3	61.5	61.8	62.0	62.0	62.4	63.4	65.4	68.7	69.0	69.4
38	66.2	60.7	60.9	61.0	61.2	61.3	61.3	61.5	61.8	62.0	62.0	62.4	63.5	65.4	68.8	69.0	69.4
37	66.3	60.7	60.9	60.9	61.2	61.3	61.3	61.5	61.8	62.0	62.1	62.4	63.5	65.5	68.8	69.1	69.4
36	66.4	60.7	60.9	61.0	61.2	61.3	61.4	61.5	61.8	62.0	62.1	62.5	63.5	65.5	68.8	69.1	69.5
35	66.4	60.7	60.9	61.0	61.2	61.3	61.4	61.5	61.8	62.0	62.1	62.5	63.5	65.4	68.8	69.1	69.5
34	66.5	60.7	60.9	61.0	61.2	61.3	61.4	61.5	61.9	62.0	62.1	62.5	63.6	65.5	68.8	69.2	69.5
33	66.5	60.7	61.0	61.0	61.2	61.3	61.4	61.5	61.8	62.0	62.1	62.5	63.5	65.5	68.9	69.2	69.5
32	66.5	60.7	60.9	61.0	61.2	61.3	61.4	61.5	61.8	62.0	62.1	62.5	63.5	65.5	68.9	69.2	69.6
31	66.6	60.7	60.9	61.0	61.2	61.3	61.3	61.5	61.8	62.0	62.1	62.5	63.5	65.4	68.9	69.2	69.6
30	66.6	60.6	60.8	60.9	61.1	61.2	61.3	61.4	61.8	62.0	62.0	62.4	63.5	65.4	68.9	69.2	69.6
29	66.7	60.6	60.8	60.9	61.1	61.2	61.3	61.4	61.8	61.9	62.0	62.4	63.5	65.4	68.9	69.2	69.6
28	66.7	60.5	60.8	60.8	61.1	61.1	61.2	61.3	61.7	61.9	62.0	62.3	63.4	65.4	68.9	69.2	69.6
27	66.7	60.4	60.7	60.7	61.0	61.1	61.2	61.3	61.6	61.8	61.9	62.3	63.3	65.3	68.8	69.2	69.5
26	66.7	60.4	60.6	60.6	60.9	61.0	61.1	61.2	61.6	61.7	61.8	62.2	63.3	65.2	68.8	69.1	69.5
25	66.7	60.2	60.5	60.6	60.8	60.8	61.0	61.1	61.4	61.6	61.7	62.1	63.1	65.2	68.7	69.0	69.5
24	66.7	60.1	60.3	60.4	60.6	60.7	60.8	61.0	61.3	61.5	61.6	61.9	63.0	65.0	68.6	68.9	69.4
23	66.6	59.9	60.1	60.2	60.4	60.5	60.6	60.8	61.1	61.3	61.4	61.8	62.9	64.8	68.5	68.8	69.3
22	66.6	59.7	59.9	60.0	60.2	60.3	60.4	60.6	60.9	61.1	61.1	61.6	62.6	64.6	68.3	68.7	69.1
21	66.5	59.4	59.6	59.7	59.9	60.0	60.1	60.2	60.6	60.8	60.9	61.2	62.3	64.4	68.1	68.5	69.0
20	66.4	59.0	59.3	59.3	59.6	59.7	59.7	59.9	60.2	60.4	60.5	60.8	62.0	64.1	67.9	68.3	68.7
19	66.1	58.6	58.8	58.9	59.1	59.2	59.3	59.4	59.8	59.9	60.0	60.4	61.5	63.6	67.6	67.9	68.4
18	65.8	58.2	58.4	58.4	58.6	58.7	58.8	58.9	59.3	59.4	59.5	59.8	60.9	63.1	67.2	67.5	68.0
17	65.5	57.8	58.0	58.1	58.3	58.3	58.4	58.5	58.8	59.0	59.1	59.4	60.5	62.6	66.7	67.1	67.5
16	64.9	57.4	57.6	57.7	57.9	58.0	58.0	58.1	58.5	58.6	58.6	59.0	60.1	62.1	66.2	66.5	67.0
15	64.2	56.9	57.1	57.1	57.2	57.3	57.4	57.5	57.8	57.9	58.0	58.3	59.4	61.5	65.6	65.9	66.3
14	63.4	56.3	56.5	56.5	56.7	56.8	56.8	56.9	57.2	57.4	57.4	57.7	58.8	60.9	65.0	65.3	65.7
13	62.5	55.8	56.0	56.0	56.2	56.2	56.2	56.3	56.6	56.7	56.8	57.1	58.1	60.2	64.3	64.6	65.0
12	61.5	55.3	55.5	55.5	55.6	55.7	55.7	55.8	56.1	56.2	56.3	56.6	57.7	59.7	63.6	63.9	64.2
11	60.5	54.9	55.0	55.0	55.2	55.3	55.3	55.5	55.8	56.0	55.8	56.1	57.2	59.3	63.0	63.3	63.6
10	59.7	54.6	54.6	54.6	54.8	54.9	54.9	55.0	55.3	55.6	55.6	55.9	57.0	59.0	62.6	62.9	63.2
9	58.7	54.2	54.4	54.4	54.6	54.7	54.8	54.9	55.2	55.5	55.4	55.8	56.8	58.7	62.2	62.5	62.7
8	57.6	54.1	54.3	54.3	54.5	54.5	54.5	54.5	54.7	54.9	54.8	55.1	56.1	58.0	61.6	61.7	61.9
7	56.7	53.7	53.8	53.7	53.8	53.9	53.9	53.9	54.1	54.2	54.2	54.4	55.4	57.4	60.9	61.0	61.2
6	55.9	53.1	53.2	53.1	53.3	53.3	53.2	53.3	53.6	53.7	53.7	54.0	55.0	56.9	60.3	60.4	60.5
5	55.2	52.6	52.7	52.7	52.8	52.9	52.8	52.9	53.2	53.3	53.3	53.5	54.6	56.5	59.7	59.8	60.0
4	54.6	52.2	52.3	52.3	52.4	52.4	52.4	52.5	52.7	52.9	52.8	53.1	54.2	56.1	59.3	59.3	59.5
3	53.9	51.8	51.9	51.9	52.1	52.1	52.1	52.1	52.4	52.5	52.5	52.8	53.8	55.7	58.8	58.8	59.0
2	53.4	51.5	51.6	51.5	51.7	51.7	51.7	51.8	52.0	52.1	52.1	52.4	53.4	55.4	58.3	58.4	58.5
1	52.9	51.1	51.2	51.2	51.4	51.4	51.3	51.4	51.7	51.8	51.7	52.1	53.1	55.0	57.9	58.0	58.0
Max	66.7	60.7	61.0	61.0	61.2	61.3	61.4	61.5	61.9	62.0	62.1	62.5	63.6	65.5	68.9	69.2	69.6
Min	52.9	51.1	51.2	51.2	51.4	51.4	51.3	51.4	51.7	51.8	51.7	52.1	53.1	55.0	57.9	58.0	58.0

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R1308c	R1309a	R1309b	R1309c	R1309d	R1401a	R1401b	R1401c	R1401d	R1401e	R1402a	R1402b	R1403a	R1403b	R1404a	R1404b	R1405a
40	**70.5**	70.1	**70.5**	70.3	70.4												
39	**70.5**	70.2	**70.5**	70.3	70.4												
38	**70.6**	70.2	**70.6**	70.4	**70.5**												
37	**70.6**	70.3	**70.6**	70.4	**70.5**	69.7	69.7	69.0	68.9	68.8	67.8	68.1	68.1	68.2	68.1	68.1	68.0
36	**70.7**	70.3	**70.7**	**70.5**	**70.6**	69.7	69.7	69.0	68.9	68.8	67.9	68.2	68.2	68.2	68.2	68.1	68.1
35	**70.7**	70.4	**70.7**	**70.5**	**70.6**	69.8	69.7	69.1	69.0	68.9	67.9	68.2	68.2	68.3	68.2	68.2	68.1
34	**70.8**	70.4	**70.7**	**70.5**	**70.6**	69.8	69.8	69.1	69.0	68.9	68.0	68.3	68.3	68.3	68.3	68.2	68.2
33	**70.8**	70.4	**70.8**	**70.6**	**70.7**	69.9	69.8	69.2	69.1	69.0	68.0	68.3	68.3	68.4	68.3	68.2	68.2
32	**70.8**	**70.5**	**70.8**	**70.6**	**70.7**	69.9	69.9	69.2	69.1	69.0	68.1	68.4	68.3	68.4	68.3	68.3	68.2
31	**70.8**	**70.5**	**70.8**	**70.6**	**70.7**	70.0	69.9	69.3	69.2	69.1	68.1	68.4	68.4	68.4	68.4	68.3	68.3
30	**70.8**	**70.5**	**70.8**	**70.6**	**70.7**	70.0	70.0	69.3	69.2	69.1	68.1	68.4	68.4	68.5	68.4	68.4	68.3
29	**70.9**	**70.5**	**70.9**	**70.7**	**70.7**	70.0	70.0	69.3	69.3	69.1	68.2	68.5	68.4	68.5	68.5	68.4	68.3
28	**70.8**	**70.5**	**70.8**	**70.6**	**70.7**	70.1	70.0	69.4	69.3	69.2	68.2	68.5	68.5	68.5	68.5	68.4	68.4
27	**70.8**	**70.5**	**70.8**	**70.6**	**70.7**	70.1	70.1	69.4	69.4	69.2	68.3	68.6	68.5	68.6	68.5	68.4	68.4
26	**70.8**	70.4	**70.8**	**70.6**	**70.7**	70.2	70.1	69.5	69.4	69.3	68.3	68.6	68.5	68.6	68.5	68.5	68.4
25	**70.8**	70.4	**70.8**	**70.6**	**70.7**	70.2	70.1	69.5	69.4	69.3	68.3	68.6	68.6	68.6	68.6	68.5	68.4
24	**70.7**	70.4	**70.7**	**70.5**	**70.6**	70.2	70.1	69.5	69.4	69.3	68.3	68.6	68.6	68.6	68.6	68.5	68.4
23	**70.6**	70.3	**70.6**	70.4	**70.6**	70.2	70.2	69.5	69.4	69.3	68.3	68.6	68.6	68.6	68.5	68.5	68.4
22	**70.5**	70.2	**70.5**	70.3	**70.5**	70.2	70.1	69.5	69.4	69.3	68.3	68.6	68.6	68.6	68.5	68.5	68.4
21	70.3	70.0	70.3	70.2	70.3	70.1	70.1	69.5	69.4	69.3	68.3	68.6	68.5	68.6	68.5	68.4	68.4
20	70.1	69.8	70.2	70.0	70.1	70.1	70.1	69.5	69.4	69.3	68.2	68.5	68.5	68.5	68.5	68.4	68.3
19	69.8	69.6	69.9	69.7	69.9	70.0	70.0	69.4	69.3	69.2	68.2	68.5	68.4	68.5	68.4	68.3	68.2
18	69.5	69.2	69.5	69.4	69.5	69.9	69.9	69.3	69.2	69.1	68.1	68.3	68.3	68.3	68.3	68.2	68.2
17	69.0	68.7	69.1	68.9	69.1	69.7	69.8	69.2	69.1	69.0	68.0	68.2	68.2	68.2	68.2	68.1	68.0
16	68.4	68.2	68.5	68.3	68.5	69.5	69.6	69.0	68.9	68.8	67.7	68.0	68.0	68.0	68.0	67.9	67.8
15	67.7	67.4	67.7	67.6	67.7	69.2	69.3	68.7	68.6	68.5	67.5	67.7	67.7	67.8	67.7	67.6	67.6
14	67.0	66.8	67.1	67.0	67.1	68.7	68.8	68.3	68.2	68.1	67.1	67.4	67.4	67.4	67.4	67.3	67.2
13	66.2	65.9	66.2	66.1	66.2	68.1	68.2	67.6	67.6	67.5	66.6	66.9	66.9	66.9	66.9	66.8	66.8
12	65.3	65.0	65.3	65.2	65.2	67.3	67.5	66.9	66.9	66.9	66.0	66.3	66.3	66.4	66.4	66.3	66.3
11	64.6	64.3	64.6	64.4	64.5	66.4	66.7	66.1	66.1	66.1	65.3	65.6	65.6	65.7	65.7	65.7	65.7
10	64.0	63.7	63.9	63.8	63.8	65.6	65.9	65.3	65.4	65.5	64.7	65.0	65.1	65.2	65.3	65.3	65.3
9	63.4	63.1	63.4	63.2	63.2	64.6	65.1	64.4	64.5	64.7	64.0	64.4	64.5	64.7	64.7	64.7	64.8
8	62.5	62.2	62.5	62.3	62.4	63.8	64.3	63.7	63.8	64.0	63.4	63.7	63.8	64.1	64.1	64.2	64.2
7	61.7	61.3	61.7	61.5	61.5	63.0	63.6	63.0	63.2	63.4	62.9	63.2	63.3	63.6	63.7	63.7	63.8
6	61.1	60.6	61.0	60.8	60.8	62.1	62.8	62.2	62.5	62.8	62.4	62.7	62.8	63.1	63.2	63.3	63.3
5	60.5	60.1	60.4	60.2	60.2	61.4	62.1	61.4	61.8	62.1	61.8	62.1	62.3	62.6	62.7	62.8	62.9
4	59.9	59.5	59.8	59.6	59.6	60.8	61.5	60.7	61.1	61.5	61.3	61.6	61.8	62.0	62.1	62.3	62.4
3	59.4	58.9	59.3	59.1	59.1	60.3	61.0	60.1	60.6	61.0	60.9	61.2	61.4	61.6	61.7	61.8	61.9
2	58.9	58.4	58.8	58.6	58.6	59.7	60.5	59.6	60.1	60.5	60.5	60.8	60.9	61.1	61.2	61.4	61.5
1	58.4	57.9	58.3	58.1	58.1	59.2	60.0	59.2	59.7	60.1	60.2	60.4	60.6	60.8	60.9	61.1	61.2
Max	**70.9**	**70.5**	**70.9**	**70.7**	**70.7**	70.2	70.2	69.5	69.4	69.3	68.3	68.6	68.6	68.6	68.6	68.5	68.4
Min	58.4	57.9	58.3	58.1	58.1	59.2	60.0	59.2	59.7	60.1	60.2	60.4	60.6	60.8	60.9	61.1	61.2

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R1405b	R1405c	R1405d	R1406a	R1406b	R1406c	R1406d	R1407a	R1408a	R1408b	R1409a	R1409b	R1410a	R1411a	R1412a	R1412b	R1412c
40																	
39																	
38																	
37	68.0	66.5	60.8	60.4	61.5	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.9	59.1
36	68.0	66.5	60.8	60.4	61.5	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.9	59.1
35	68.1	66.6	60.9	60.5	61.5	58.5	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.8	58.9	59.1
34	68.1	66.6	60.9	60.5	61.5	58.5	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.8	58.9	59.0
33	68.1	66.6	60.9	60.6	61.5	58.4	58.5	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.8	59.0
32	68.2	66.7	61.0	60.6	61.6	58.4	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.7	58.9	59.0
31	68.2	66.7	61.0	60.7	61.6	58.3	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.5	58.7	58.8	58.9
30	68.3	66.8	61.1	60.7	61.6	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.8	58.9
29	68.3	66.8	61.1	60.7	61.5	58.2	58.3	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.6	58.7	58.8
28	68.3	66.8	61.1	60.7	61.5	58.2	58.3	58.4	58.3	58.4	58.4	58.4	58.4	58.4	58.5	58.7	58.8
27	68.3	66.8	61.1	60.7	61.5	58.1	58.2	58.3	58.2	58.3	58.3	58.4	58.4	58.4	58.4	58.6	58.7
26	68.4	66.9	61.1	60.7	61.4	58.0	58.1	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.4	58.5	58.6
25	68.4	66.9	61.1	60.7	61.4	57.9	58.0	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.4	58.6
24	68.4	66.9	61.1	60.7	61.4	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.3	58.4
23	68.4	66.9	61.2	60.8	61.3	57.7	57.7	57.8	57.8	57.9	57.8	57.9	57.9	57.9	58.0	58.2	58.3
22	68.4	66.9	61.1	60.8	61.2	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	58.0	58.2
21	68.3	66.8	61.2	60.7	61.2	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.8	57.9
20	68.3	66.8	61.1	60.7	61.1	57.1	57.2	57.2	57.2	57.3	57.2	57.3	57.3	57.3	57.4	57.5	57.7
19	68.2	66.7	61.1	60.7	61.0	56.8	56.9	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.3	57.4
18	68.1	66.6	61.1	60.7	60.9	56.6	56.6	56.7	56.7	56.7	56.7	56.8	56.8	56.7	56.8	57.0	57.1
17	67.9	66.5	61.0	60.6	60.8	56.2	56.3	56.4	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.6	56.7
16	67.8	66.4	61.0	60.5	60.7	55.9	55.9	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.2	56.4
15	67.5	66.1	60.9	60.5	60.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.8	55.7	55.8	55.9	56.0
14	67.2	65.8	60.8	60.4	60.4	55.3	55.4	55.5	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.7	55.8
13	66.8	65.5	60.7	60.3	60.3	55.1	55.2	55.3	55.2	55.2	55.3	55.3	55.3	55.2	55.2	55.4	55.5
12	66.3	65.1	60.6	60.1	60.2	54.8	54.8	54.9	54.8	54.8	54.8	54.8	54.8	54.7	54.7	54.9	55.0
11	65.7	64.6	60.5	60.0	60.0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.3	54.2	54.3	54.4	54.5
10	65.2	64.2	60.4	59.9	59.9	54.0	54.0	54.0	54.0	54.0	53.9	53.9	53.9	53.9	53.9	54.0	54.1
9	64.8	63.9	60.3	59.8	59.8	53.5	53.6	53.6	53.6	53.6	53.6	53.5	53.5	53.5	53.5	53.6	53.7
8	64.3	63.5	60.2	59.7	59.7	53.2	53.2	53.2	53.2	53.2	53.2	53.1	53.2	53.1	53.1	53.2	53.3
7	63.9	63.3	60.0	59.5	59.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.8	52.8	52.9	53.1
6	63.4	63.0	59.8	59.3	59.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.6	52.5	52.5	52.7
5	63.0	62.7	59.5	59.0	59.1	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.3	52.3	52.4	52.6
4	62.5	62.2	59.1	58.7	59.0	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.2	52.2	52.2	52.3	52.5
3	62.1	61.8	58.7	58.4	58.8	52.1	52.2	52.2	52.2	52.2	52.3	52.3	52.2	52.2	52.1	52.2	52.2
2	61.7	61.4	58.3	58.1	58.6	52.1	52.0	52.1	52.0	51.9	51.9	51.8	51.7	51.6	51.6	51.6	51.7
1	61.3	61.1	58.0	57.9	58.4	51.6	51.6	51.6	51.5	51.4	51.4	51.4	51.3	51.1	51.1	51.2	51.3
Max	68.4	66.9	61.2	60.8	61.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.9	59.1
Min	61.3	61.1	58.0	57.9	58.4	51.6	51.6	51.6	51.5	51.4	51.4	51.4	51.3	51.1	51.1	51.2	51.3

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R1413a	R1413b	R1414a	R1414b	R1414c	R1414d	R1415a	R1415b	R1415c	R1415d	R1416a	R1416b	R1417a	R1417b
40														
39														
38														
37	59.2	59.4	59.6	59.8	66.8	67.3	67.5	69.6	69.5	69.5	69.6	69.6	69.5	69.6
36	59.2	59.4	59.5	59.8	66.8	67.4	67.5	69.7	69.6	69.6	69.6	69.6	69.6	69.6
35	59.2	59.4	59.5	59.7	66.9	67.4	67.5	69.7	69.6	69.6	69.7	69.7	69.7	69.7
34	59.2	59.4	59.5	59.8	66.9	67.5	67.6	69.8	69.7	69.7	69.7	69.7	69.7	69.7
33	59.2	59.3	59.5	59.7	66.9	67.5	67.6	69.8	69.7	69.8	69.8	69.8	69.8	69.8
32	59.2	59.3	59.5	59.7	66.9	67.5	67.6	69.9	69.8	69.8	69.8	69.8	69.8	69.8
31	59.2	59.3	59.5	59.7	66.9	67.5	67.6	69.9	69.8	69.8	69.9	69.9	69.9	69.9
30	59.1	59.2	59.4	59.6	67.0	67.5	67.7	70.0	69.8	69.9	69.9	69.9	69.9	69.9
29	59.1	59.2	59.4	59.6	67.0	67.6	67.7	70.0	69.9	69.9	69.9	70.0	69.9	69.9
28	59.0	59.2	59.3	59.6	67.0	67.6	67.7	70.0	69.9	69.9	70.0	70.0	70.0	70.0
27	58.9	59.1	59.2	59.5	67.0	67.6	67.7	70.1	69.9	70.0	70.0	70.0	70.0	70.0
26	58.8	59.0	59.2	59.4	67.0	67.6	67.7	70.1	70.0	70.0	70.1	70.0	70.0	70.0
25	58.8	58.9	59.1	59.3	66.9	67.6	67.7	70.1	70.0	70.0	70.0	70.1	70.1	70.0
24	58.6	58.8	58.9	59.2	66.9	67.5	67.7	70.1	70.0	70.0	70.1	70.1	70.1	70.1
23	58.5	58.7	58.8	59.1	66.9	67.5	67.6	70.1	70.0	70.0	70.1	70.1	70.0	70.1
22	58.3	58.5	58.7	58.9	66.8	67.5	67.6	70.1	70.0	70.0	70.1	70.1	70.1	70.1
21	58.1	58.3	58.5	58.7	66.7	67.4	67.5	70.0	69.9	70.0	70.0	70.0	70.0	70.0
20	57.9	58.1	58.2	58.5	66.6	67.2	67.4	70.0	69.8	69.9	70.0	70.0	70.0	70.0
19	57.6	57.8	57.9	58.2	66.5	67.1	67.3	69.9	69.8	69.8	69.9	69.9	69.9	69.9
18	57.3	57.4	57.6	57.8	66.3	67.0	67.1	69.8	69.7	69.7	69.8	69.8	69.8	69.8
17	56.9	57.1	57.2	57.4	66.1	66.7	66.9	69.6	69.5	69.5	69.6	69.6	69.6	69.6
16	56.5	56.7	56.8	57.0	65.8	66.5	66.6	69.3	69.2	69.3	69.3	69.4	69.4	69.4
15	56.2	56.4	56.5	56.7	65.4	66.1	66.2	69.0	68.9	69.0	69.0	69.0	69.0	69.1
14	56.0	56.1	56.2	56.4	65.0	65.7	65.7	68.5	68.4	68.5	68.5	68.5	68.5	68.6
13	55.7	55.8	55.9	56.1	64.4	65.1	65.2	67.8	67.7	67.8	67.8	67.9	67.9	67.9
12	55.2	55.3	55.4	55.6	63.8	64.4	64.5	67.0	66.9	67.0	67.0	67.0	67.0	67.1
11	54.7	54.8	54.9	55.1	63.2	63.8	63.9	66.2	66.1	66.2	66.2	66.2	66.2	66.2
10	54.3	54.4	54.5	54.7	62.4	63.0	63.1	65.3	65.1	65.2	65.3	65.3	65.3	65.4
9	53.8	53.9	54.1	54.3	61.6	62.1	62.2	64.3	64.2	64.3	64.3	64.4	64.4	64.4
8	53.4	53.6	53.7	53.9	60.9	61.4	61.4	63.6	63.5	63.5	63.5	63.6	63.6	63.6
7	53.2	53.3	53.5	53.7	60.2	60.7	60.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8
6	52.9	53.0	53.1	53.4	59.6	59.9	60.0	61.9	61.8	61.8	61.9	61.9	61.9	62.0
5	52.7	52.9	53.0	53.3	58.8	59.2	59.2	61.2	61.1	61.1	61.1	61.2	61.2	61.2
4	52.7	52.9	53.0	53.2	58.2	58.6	58.6	60.6	60.5	60.5	60.6	60.6	60.6	60.6
3	52.3	52.4	52.5	52.6	57.5	57.9	58.0	59.9	59.9	59.9	60.0	60.0	60.0	60.1
2	51.8	51.9	52.0	52.1	56.9	57.3	57.3	59.3	59.3	59.3	59.3	59.4	59.4	59.5
1	51.4	51.5	51.5	51.7	56.3	56.7	56.7	58.8	58.7	58.8	58.8	58.9	58.9	58.9
Max	59.2	59.4	59.6	59.8	67.0	67.6	67.7	70.1	70.0	70.0	70.1	70.1	70.1	70.1
Min	51.4	51.5	51.5	51.7	56.3	56.7	56.7	58.8	58.7	58.8	58.8	58.9	58.9	58.9

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R101max	R102max	R103max	R104max	R105max	R106max	R107max	R108max	R109max	R201max	R202max	R203max	R204max	R205max	R206max	R207max	R208max	R209max	R210max
40																			
39																			
38																			
37										60.6	60.7	60.1	58.6	56.2	59.6	59.6	59.5	59.6	59.6
36										60.6	60.7	60.1	58.6	56.1	59.6	59.6	59.6	59.7	59.6
35										60.6	60.6	60.1	58.6	56.1	59.6	59.7	59.6	59.7	59.7
34										60.5	60.6	60.1	58.5	56.0	59.7	59.7	59.7	59.8	59.7
33										60.5	60.6	60.1	58.5	56.0	59.7	59.7	59.7	59.8	59.7
32										60.5	60.6	60.1	58.5	56.0	59.7	59.8	59.7	59.8	59.8
31										60.5	60.6	60.0	58.5	55.9	59.7	59.8	59.8	59.9	59.9
30										60.4	60.5	60.0	58.5	55.9	59.7	59.8	59.8	59.9	59.9
29	60.1	62.2	62.9	65.4	61.2	60.7	60.2	60.1	59.9	60.4	60.5	59.9	58.4	55.9	59.7	59.8	59.8	60.0	60.0
28	60.1	62.3	62.9	65.5	61.3	60.8	60.2	60.2	59.9	60.3	60.5	59.9	58.4	55.9	59.7	59.8	59.9	60.0	60.1
27	60.1	62.3	63.0	65.5	61.4	60.9	60.3	60.2	60.0	60.3	60.4	59.8	58.3	55.8	59.7	59.8	59.9	60.1	60.1
26	60.1	62.3	63.1	65.6	61.5	61.0	60.4	60.3	60.0	60.2	60.3	59.8	58.2	55.7	59.7	59.8	59.9	60.1	60.2
25	60.0	62.4	63.1	65.7	61.6	61.1	60.4	60.3	60.1	60.1	60.2	59.7	58.1	55.7	59.7	59.9	59.9	60.2	60.3
24	60.0	62.4	63.2	65.8	61.6	61.2	60.5	60.4	60.1	60.0	60.2	59.6	58.0	55.6	59.7	59.9	60.0	60.2	60.4
23	60.0	62.4	63.3	65.9	61.8	61.2	60.6	60.4	60.1	59.9	60.0	59.4	57.9	55.5	59.7	59.9	60.0	60.2	60.4
22	59.9	62.4	63.3	66.0	61.9	61.3	60.6	60.5	60.2	59.8	59.9	59.3	57.8	55.4	59.7	59.9	60.0	60.3	60.5
21	59.9	62.5	63.4	66.1	61.9	61.4	60.7	60.5	60.2	59.6	59.8	59.2	57.6	55.3	59.7	59.9	60.1	60.4	60.6
20	59.8	62.5	63.5	66.2	62.1	61.5	60.8	60.5	60.3	59.5	59.6	59.0	57.4	55.2	59.6	59.9	60.1	60.4	60.7
19	59.7	62.5	63.6	66.3	62.2	61.6	60.9	60.6	60.3	59.3	59.4	58.8	57.2	55.0	59.6	59.8	60.1	60.5	60.8
18	59.6	62.5	63.6	66.4	62.3	61.7	61.0	60.6	60.3	59.1	59.2	58.5	57.0	54.8	59.5	59.8	60.2	60.5	60.9
17	59.5	62.5	63.7	66.5	62.4	61.8	61.0	60.7	60.3	58.9	59.0	58.3	56.7	54.6	59.5	59.8	60.2	60.6	61.0
16	59.4	62.5	63.8	66.6	62.5	61.8	61.1	60.7	60.3	58.6	58.8	58.0	56.4	54.4	59.4	59.8	60.3	60.7	61.1
15	59.2	62.5	63.9	66.8	62.6	61.9	61.2	60.8	60.3	58.4	58.5	57.7	56.1	54.1	59.3	59.7	60.3	60.7	61.2
14	59.0	62.5	64.0	66.9	62.7	62.0	61.2	60.8	60.3	58.2	58.2	57.4	55.8	53.8	59.2	59.7	60.3	60.8	61.3
13	58.8	62.5	64.0	67.0	62.9	62.1	61.3	60.9	60.4	57.9	58.0	57.1	55.5	53.5	59.1	59.7	60.3	60.8	61.4
12	58.6	62.4	64.1	67.1	63.0	62.2	61.4	60.9	60.4	57.7	57.7	56.8	55.2	53.3	58.9	59.7	60.3	60.9	61.5
11	58.3	62.4	64.2	67.3	63.1	62.3	61.5	61.0	60.5	57.5	57.5	56.4	54.8	53.0	58.7	59.6	60.3	60.9	61.6
10	58.0	62.4	64.3	67.4	63.2	62.5	61.6	61.1	60.5	57.2	57.2	56.1	54.4	52.6	58.5	59.5	60.2	60.9	61.7
9	57.6	62.3	64.4	67.5	63.3	62.5	61.7	61.1	60.6	56.9	56.9	55.7	54.1	52.2	58.3	59.4	60.1	60.8	61.8
8	57.2	62.2	64.5	67.7	63.4	62.6	61.8	61.2	60.6	56.6	56.6	55.3	53.7	51.8	58.1	59.2	59.9	60.7	61.8
7	56.8	62.1	64.6	67.8	63.6	62.8	61.9	61.2	60.6	56.4	56.3	55.0	53.4	51.5	58.0	59.1	59.7	60.5	61.7
6	56.5	62.0	64.7	68.0	63.7	62.9	61.9	61.3	60.6	56.2	56.1	54.7	53.1	51.3	57.9	59.0	59.6	60.3	61.5
5	56.2	61.8	64.7	68.1	63.8	62.9	62.0	61.2	60.4	56.0	55.9	54.4	52.8	51.0	57.8	58.9	59.3	60.0	61.2
4	55.7	61.6	64.7	68.2	63.9	63.0	61.9	61.1	60.3	55.9	55.7	54.1	52.5	50.6	57.6	58.8	59.1	59.7	60.7
3	55.2	61.3	64.6	68.4	63.9	62.8	61.6	60.9	60.1	55.7	55.5	53.8	52.1	50.2	57.5	58.7	58.8	59.3	60.2
2	54.7	61.2	63.9	68.5	63.6	62.4	61.4	60.7	59.9	55.5	55.3	53.5	51.8	49.9	57.4	58.4	58.3	58.9	59.6
1	54.1	61.1	63.4	68.4	63.0	62.0	60.8	60.0	58.8	55.4	55.1	53.2	51.5	49.6	57.2	58.1	58.0	58.3	58.8
Max	60.1	62.5	64.7	68.5	63.9	63.0	62.0	61.3	60.6	60.6	60.7	60.1	58.6	56.2	59.7	59.9	60.3	60.9	61.8
Min	54.1	61.1	62.9	65.4	61.2	60.7	60.2	60.0	58.8	55.4	55.1	53.2	51.5	49.6	57.2	58.1	58.0	58.3	58.8

Total Flats	7052
Exceedance	56
Compliance Rate	99.2%

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R211max	R212max	R213max	R214max	R215max	R216max	R217max	R218max	R301max	R302max	R303max	R304max	R305max	R306max	R307max	R308max	R401max	R402max	R403max
40																			
39									63.2	62.7	62.5	62.4	62.2	61.8	53.7	61.7	57.5	62.6	63.4
38									63.1	62.7	62.5	62.4	62.2	61.7	53.7	61.6	57.5	62.6	63.4
37	55.9	<40	<40	<40	<40	<40	51.9	55.5	63.1	62.6	62.5	62.4	62.2	61.7	53.7	61.6	57.4	62.6	63.5
36	56.0	<40	<40	<40	<40	<40	51.9	55.5	63.0	62.6	62.4	62.3	62.1	61.7	53.8	61.6	57.4	62.6	63.4
35	56.0	<40	<40	<40	<40	<40	52.0	55.5	63.0	62.5	62.4	62.3	62.1	61.6	53.8	61.5	57.4	62.6	63.4
34	56.1	<40	<40	<40	<40	<40	52.1	55.6	62.9	62.4	62.3	62.2	62.0	61.5	53.8	61.4	57.3	62.5	63.4
33	56.2	<40	<40	<40	<40	<40	52.1	55.6	62.9	62.4	62.2	62.1	61.9	61.5	53.8	61.3	57.3	62.5	63.4
32	56.3	<40	<40	<40	<40	<40	52.2	55.7	62.8	62.3	62.1	62.0	61.8	61.4	53.9	61.2	57.2	62.4	63.4
31	56.4	<40	<40	<40	<40	<40	52.3	55.8	62.7	62.2	62.0	61.9	61.7	61.3	53.9	61.1	57.1	62.4	63.4
30	56.4	<40	<40	<40	<40	<40	52.3	55.9	62.5	62.0	61.9	61.8	61.6	61.2	53.9	61.0	57.0	62.4	63.4
29	56.5	<40	<40	<40	<40	<40	52.4	55.9	62.4	61.9	61.8	61.6	61.4	61.0	53.9	60.9	56.9	62.3	63.3
28	56.6	<40	<40	<40	<40	<40	52.5	56.0	62.2	61.7	61.6	61.5	61.3	60.9	54.0	60.7	56.8	62.2	63.2
27	56.7	<40	<40	<40	<40	<40	52.6	56.1	62.0	61.6	61.4	61.3	61.1	60.7	54.0	60.5	56.6	62.1	63.1
26	56.8	<40	<40	<40	<40	<40	52.7	56.2	61.8	61.3	61.2	61.1	60.9	60.5	54.0	60.3	56.5	62.0	63.0
25	56.9	<40	<40	<40	<40	<40	52.7	56.3	61.6	61.1	60.9	60.8	60.6	60.2	54.0	60.0	56.2	61.8	62.9
24	57.0	<40	<40	<40	<40	<40	52.8	56.3	61.2	60.8	60.7	60.5	60.3	59.9	54.0	59.7	56.0	61.6	62.7
23	57.1	<40	<40	<40	<40	<40	52.9	56.4	60.9	60.4	60.3	60.2	60.1	59.7	54.0	59.4	55.7	61.4	62.5
22	57.2	<40	<40	<40	<40	<40	53.0	56.5	60.6	60.1	60.0	60.0	59.8	59.4	54.0	59.1	55.5	61.1	62.2
21	57.2	<40	<40	<40	<40	<40	53.1	56.6	60.3	59.9	59.8	59.7	59.5	59.1	54.1	58.8	55.1	60.8	61.9
20	57.3	<40	<40	<40	<40	<40	53.2	56.7	60.0	59.6	59.5	59.4	59.2	58.8	54.2	58.5	54.8	60.5	61.5
19	57.5	<40	<40	<40	<40	<40	53.3	56.8	59.7	59.2	59.2	59.1	58.9	58.6	54.2	58.1	54.6	60.1	61.1
18	57.6	<40	<40	<40	<40	<40	53.4	56.9	59.3	58.9	58.8	58.7	58.6	58.2	54.2	57.8	54.4	59.8	60.7
17	57.7	<40	<40	<40	<40	<40	53.5	56.9	59.0	58.5	58.5	58.4	58.2	57.9	54.2	57.4	53.9	59.3	60.1
16	57.8	<40	<40	<40	<40	<40	53.6	57.1	58.5	58.2	58.1	58.0	57.9	57.5	54.2	57.1	53.5	58.8	59.6
15	57.9	<40	<40	<40	<40	<40	53.7	57.1	58.1	57.8	57.7	57.7	57.5	57.2	54.1	56.7	53.0	58.3	59.1
14	58.0	<40	<40	<40	<40	<40	53.8	57.2	57.8	57.4	57.3	57.3	57.2	56.8	54.0	56.3	52.6	57.9	58.6
13	58.1	<40	<40	<40	<40	<40	53.9	57.3	57.5	57.1	57.0	57.0	56.8	56.5	53.9	56.0	52.1	57.5	58.2
12	58.2	<40	<40	<40	<40	<40	54.0	57.4	57.2	56.8	56.7	56.7	56.6	56.2	53.6	55.7	51.8	57.1	57.7
11	58.3	<40	<40	<40	<40	<40	54.1	57.4	56.9	56.5	56.5	56.5	56.3	56.0	53.3	55.4	51.5	56.7	57.3
10	58.5	<40	<40	<40	<40	<40	54.2	57.4	56.7	56.3	56.2	56.2	56.1	55.7	52.7	55.3	51.1	56.2	56.8
9	58.6	<40	<40	<40	<40	<40	54.3	57.5	56.6	56.1	56.0	56.0	55.9	55.5	52.0	55.0	51.0	55.9	56.4
8	58.7	<40	<40	<40	<40	<40	54.5	57.4	56.4	56.0	55.9	55.8	55.7	55.3	51.5	54.9	50.9	55.6	56.1
7	58.8	<40	<40	<40	<40	<40	54.6	57.3	56.0	55.7	55.7	55.7	55.6	55.2	50.7	54.6	50.4	55.1	55.6
6	58.9	<40	<40	<40	<40	<40	54.7	57.2	55.7	55.3	55.4	55.3	55.3	55.0	50.2	54.3	49.9	54.6	55.1
5	59.0	<40	<40	<40	<40	<40	54.8	57.0	55.3	55.0	55.0	55.0	54.9	54.6	49.5	53.9	49.5	54.2	54.6
4	59.0	<40	<40	<40	<40	<40	54.9	56.8	55.0	54.6	54.6	54.6	54.6	54.3	46.1	53.6	49.2	53.7	54.1
3	58.9	<40	<40	<40	<40	<40	54.9	56.4	54.7	54.3	54.3	54.3	54.2	54.0	43.5	53.3	48.8	53.3	53.7
2	58.7	<40	<40	<40	<40	<40	54.6	55.8	54.4	54.0	54.1	54.0	54.0	53.7	43.0	53.0	48.5	53.0	53.2
1	58.1	<40	<40	<40	<40	<40	54.1	55.1	54.1	53.8	53.8	53.8	53.7	53.4	42.3	52.7	48.3	52.4	52.4
Max	59.0	<40	<40	<40	<40	<40	54.9	57.5	63.2	62.7	62.5	62.4	62.2	61.8	54.2	61.7	57.5	62.6	63.5
Min	55.9	<40	<40	<40	<40	<40	51.9	55.1	54.1	53.8	53.8	53.8	53.7	53.4	42.3	52.7	48.3	52.4	52.4

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R404max	R405max	R406max	R407max	R408max	R501max	R502max	R503max	R504max	R505max	R506max	R507max	R508max	R509max	R510max	R601max	R602max	R603max	R604max
40																			
39	60.7	61.1	61.8	62.3	56.2	62.8	62.1	62.2	57.3	56.1	55.1	54.5	61.9	61.7	61.8				
38	60.7	61.1	61.9	62.3	56.2	62.8	62.1	62.2	57.4	56.1	55.2	54.5	61.9	61.6	61.8	64.3	64.6	64.7	64.8
37	60.8	61.1	61.9	62.3	56.2	62.8	62.1	62.2	57.4	56.1	55.2	54.5	61.9	61.6	61.8	64.3	64.6	64.7	64.8
36	60.7	61.1	61.8	62.3	56.2	62.8	62.1	62.2	57.4	56.2	55.2	54.5	61.9	61.6	61.8	64.3	64.6	64.7	64.8
35	60.7	61.0	61.8	62.3	56.1	62.8	62.1	62.2	57.4	56.2	55.2	54.5	61.8	61.6	61.8	64.4	64.7	64.7	64.8
34	60.7	61.1	61.8	62.3	56.1	62.8	62.1	62.2	57.4	56.2	55.3	54.5	61.8	61.5	61.7	64.4	64.7	64.8	64.8
33	60.6	61.0	61.8	62.3	56.1	62.8	62.1	62.2	57.4	56.2	55.2	54.5	61.7	61.5	61.7	64.4	64.7	64.8	64.8
32	60.6	61.0	61.8	62.3	56.0	62.7	62.1	62.2	57.4	56.2	55.3	54.5	61.6	61.4	61.6	64.4	64.7	64.8	64.9
31	60.6	60.9	61.8	62.2	56.0	62.7	62.0	62.2	57.4	56.2	55.2	54.5	61.6	61.4	61.6	64.4	64.7	64.8	64.9
30	60.5	60.9	61.7	62.2	56.0	62.7	62.0	62.2	57.4	56.2	55.3	54.5	61.5	61.3	61.5	64.4	64.7	64.8	64.9
29	60.4	60.8	61.7	62.2	55.9	62.6	62.0	62.1	57.4	56.2	55.2	54.5	61.4	61.2	61.4	64.3	64.7	64.8	64.9
28	60.4	60.8	61.6	62.1	55.8	62.5	61.9	62.1	57.4	56.2	55.3	54.5	61.3	61.1	61.3	64.3	64.7	64.8	64.9
27	60.3	60.7	61.6	62.0	55.7	62.5	61.8	62.0	57.4	56.2	55.2	54.5	61.2	61.0	61.2	64.3	64.6	64.7	64.8
26	60.2	60.6	61.5	62.0	55.7	62.4	61.7	61.9	57.4	56.2	55.2	54.5	61.0	60.8	61.0	64.3	64.6	64.7	64.8
25	60.0	60.5	61.4	61.9	55.5	62.3	61.6	61.9	57.4	56.1	55.2	54.5	60.8	60.6	60.9	64.2	64.6	64.7	64.8
24	59.9	60.3	61.3	61.8	55.3	62.1	61.5	61.7	57.3	56.1	55.2	54.4	60.6	60.4	60.7	64.2	64.5	64.6	64.7
23	59.7	60.2	61.1	61.6	55.2	62.0	61.3	61.6	57.3	56.0	55.1	54.4	60.4	60.1	60.4	64.1	64.5	64.6	64.7
22	59.5	60.0	61.0	61.5	55.0	61.7	61.1	61.4	57.2	56.0	55.0	54.3	60.1	59.8	60.1	64.0	64.4	64.5	64.6
21	59.2	59.8	60.8	61.3	54.8	61.5	60.8	61.2	57.2	55.9	55.0	54.2	59.8	59.5	59.8	63.9	64.3	64.4	64.5
20	58.9	59.6	60.6	61.1	54.5	61.2	60.5	61.0	57.1	55.8	54.9	54.2	59.5	59.2	59.4	63.7	64.1	64.2	64.4
19	58.7	59.3	60.3	60.8	54.4	60.9	60.2	60.7	57.0	55.8	54.8	54.0	59.2	58.9	59.1	63.5	63.9	64.1	64.2
18	58.4	59.0	60.1	60.6	54.3	60.6	59.9	60.4	56.9	55.7	54.7	54.0	58.9	58.5	58.7	63.4	63.7	63.9	64.0
17	58.0	58.6	59.8	60.2	54.2	60.3	59.5	60.1	56.8	55.6	54.6	53.9	58.6	58.2	58.4	63.1	63.5	63.6	63.8
16	57.6	58.2	59.4	59.9	53.9	59.9	59.2	59.9	56.7	55.5	54.5	53.8	58.2	57.8	57.9	62.9	63.2	63.3	63.5
15	57.1	57.7	59.0	59.5	53.7	59.6	58.8	59.6	56.6	55.3	54.4	53.8	57.9	57.4	57.5	62.5	62.8	63.0	63.1
14	56.7	57.4	58.7	59.1	53.5	59.3	58.4	59.2	56.4	55.2	54.3	53.7	57.5	57.0	57.1	62.2	62.4	62.6	62.8
13	56.3	57.0	58.4	58.9	53.3	58.9	58.1	58.9	56.3	55.1	54.2	53.6	57.1	56.6	56.7	61.8	62.1	62.2	62.3
12	55.9	56.6	58.1	58.5	53.2	58.6	57.7	58.6	56.1	54.9	54.1	53.5	56.8	56.2	56.3	61.4	61.7	61.8	61.9
11	55.3	56.0	57.6	58.1	52.9	58.3	57.4	58.3	55.8	54.7	53.9	53.5	56.5	55.8	56.0	61.0	61.3	61.4	61.5
10	54.8	55.5	57.3	57.8	52.8	58.0	57.1	58.0	55.5	54.5	53.8	53.4	56.2	55.6	55.7	60.6	60.8	60.9	61.0
9	54.4	55.1	56.9	57.4	52.7	57.8	56.8	57.8	55.3	54.2	53.6	53.3	55.9	55.3	55.3	60.2	60.4	60.5	60.6
8	54.1	54.7	56.7	57.2	52.6	57.5	56.6	57.5	55.1	54.0	53.5	53.2	55.7	55.0	55.1	59.9	60.1	60.2	60.3
7	53.7	54.4	56.4	56.9	52.6	57.3	56.3	57.2	54.8	53.8	53.3	53.1	55.4	54.8	54.9	59.5	59.7	59.8	59.9
6	53.2	53.9	56.1	56.6	52.4	57.1	56.1	56.9	54.3	53.6	53.2	53.0	55.1	54.7	54.7	59.2	59.4	59.5	59.6
5	52.6	53.5	55.8	56.4	52.3	56.9	55.9	56.6	53.4	53.4	53.2	52.8	54.9	54.4	54.4	58.9	59.1	59.2	59.3
4	52.1	53.0	55.5	56.1	52.0	56.6	55.6	56.3	53.1	53.4	53.1	52.6	54.4	54.0	54.0	58.6	58.8	58.9	59.0
3	51.6	52.5	55.2	55.8	51.6	56.4	55.4	56.0	52.9	53.3	53.1	52.6	54.0	53.6	53.6	58.4	58.6	58.7	58.7
2	51.1	51.9	54.9	55.5	51.2	56.2	55.2	55.8	52.8	53.2	53.1	52.5	53.6	53.3	53.3	58.2	58.3	58.4	58.4
1	50.1	50.8	54.3	55.0	51.1	56.1	55.0	55.7	52.6	53.2	53.0	52.5	53.3	53.0	53.0	57.9	58.0	58.1	58.2
Max	60.8	61.1	61.9	62.3	56.2	62.8	62.1	62.2	57.4	56.2	55.3	54.5	61.9	61.7	61.8	64.4	64.7	64.8	64.9
Min	50.1	50.8	54.3	55.0	51.1	56.1	55.0	55.7	52.6	53.2	53.0	52.5	53.3	53.0	53.0	57.9	58.0	58.1	58.2

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R605max	R606max	R607max	R608max	R609max	R610max	R611max	R612max	R613max	R614max	R615max	R616max	R617max	R618max	R619max	R620max	R621max	R701max	R702max
40																			
39																			
38	64.8	65.1	65.5	67.1	67.0	61.2	60.5	59.7	59.1	58.7	60.3	62.4	60.2	58.6	54.2	56.3	60.3		
37	64.9	65.1	65.5	67.1	67.0	61.3	60.5	59.7	59.2	58.7	60.4	62.4	60.2	58.7	54.1	56.2	60.3		
36	64.9	65.1	65.5	67.1	67.1	61.3	60.6	59.8	59.2	58.8	60.4	62.5	60.3	58.7	54.0	56.2	60.2		
35	64.9	65.1	65.5	67.2	67.1	61.4	60.6	59.8	59.2	58.8	60.5	62.5	60.3	58.8	53.9	56.1	60.2		
34	64.9	65.1	65.5	67.2	67.1	61.4	60.7	59.8	59.3	58.8	60.5	62.5	60.4	58.8	53.9	56.1	60.2		
33	64.9	65.1	65.5	67.2	67.1	61.5	60.7	59.9	59.3	58.9	60.5	62.6	60.4	58.8	53.8	56.0	60.1		
32	64.9	65.1	65.6	67.2	67.2	61.5	60.8	60.0	59.4	58.9	60.5	62.6	60.5	58.9	53.7	55.9	60.1	67.1	67.2
31	64.9	65.2	65.5	67.2	67.2	61.5	60.8	60.0	59.4	59.0	60.6	62.6	60.5	58.9	53.7	55.9	60.1	67.2	67.2
30	64.9	65.2	65.6	67.3	67.2	61.6	60.9	60.0	59.4	59.0	60.6	62.7	60.5	59.0	53.6	55.8	60.0	67.2	67.2
29	64.9	65.2	65.6	67.2	67.2	61.7	60.9	60.1	59.5	59.0	60.6	62.7	60.5	59.0	53.5	55.7	60.0	67.2	67.2
28	64.9	65.1	65.5	67.2	67.3	61.7	61.0	60.1	59.5	59.0	60.7	62.7	60.6	59.1	53.5	55.7	59.9	67.2	67.2
27	64.9	65.1	65.5	67.2	67.3	61.7	61.0	60.1	59.5	59.1	60.7	62.7	60.6	59.1	53.4	55.6	59.8	67.2	67.2
26	64.9	65.1	65.5	67.1	67.2	61.8	61.1	60.2	59.6	59.1	60.7	62.7	60.6	59.1	53.3	55.5	59.8	67.2	67.2
25	64.9	65.1	65.5	67.1	67.2	61.8	61.1	60.2	59.6	59.2	60.7	62.7	60.7	59.2	53.2	55.4	59.7	67.2	67.2
24	64.8	65.0	65.4	67.0	67.1	61.8	61.2	60.3	59.6	59.2	60.8	62.8	60.7	59.2	53.0	55.2	59.6	67.1	67.2
23	64.8	65.0	65.4	67.0	67.1	61.9	61.2	60.3	59.7	59.2	60.7	62.7	60.7	59.2	52.9	55.1	59.4	67.1	67.1
22	64.7	64.9	65.3	66.9	67.0	61.9	61.2	60.3	59.7	59.2	60.8	62.7	60.7	59.2	52.7	54.9	59.3	67.0	67.1
21	64.6	64.8	65.2	66.9	67.0	61.9	61.3	60.4	59.7	59.2	60.8	62.7	60.7	59.3	52.5	54.7	59.1	66.9	67.0
20	64.5	64.7	65.1	66.8	66.9	62.0	61.3	60.4	59.7	59.2	60.7	62.7	60.7	59.2	52.3	54.5	59.0	66.9	66.9
19	64.3	64.5	64.9	66.7	66.8	62.0	61.4	60.4	59.7	59.3	60.7	62.7	60.7	59.3	52.0	54.3	58.8	66.8	66.8
18	64.1	64.4	64.8	66.6	66.7	62.0	61.4	60.4	59.7	59.2	60.7	62.6	60.7	59.2	51.8	54.0	58.5	66.7	66.7
17	63.9	64.2	64.6	66.4	66.6	62.0	61.4	60.4	59.7	59.2	60.7	62.5	60.7	59.2	51.5	53.7	58.3	66.6	66.6
16	63.7	63.9	64.3	66.3	66.5	62.0	61.4	60.4	59.7	59.2	60.6	62.5	60.6	59.2	51.2	53.4	58.0	66.4	66.5
15	63.3	63.6	64.0	66.0	66.3	62.0	61.4	60.4	59.6	59.2	60.5	62.4	60.6	59.2	51.0	53.2	57.8	66.2	66.3
14	63.0	63.3	63.7	65.8	66.1	62.0	61.4	60.3	59.6	59.1	60.4	62.2	60.6	59.2	50.7	52.9	57.4	66.0	66.1
13	62.6	62.9	63.3	65.5	65.9	62.0	61.4	60.3	59.5	59.0	60.3	62.1	60.4	59.1	50.4	52.6	57.0	65.8	65.8
12	62.2	62.5	62.9	65.2	65.6	61.9	61.4	60.2	59.4	58.8	60.1	62.0	60.4	59.1	50.1	52.3	56.7	65.5	65.5
11	61.7	62.0	62.4	64.9	65.4	61.9	61.3	60.1	59.2	58.6	60.0	61.8	60.2	58.9	49.9	52.1	56.4	65.2	65.3
10	61.3	61.6	61.9	64.6	65.1	61.9	61.3	60.0	58.9	58.3	59.7	61.6	60.0	58.7	49.5	51.7	56.0	64.9	65.0
9	60.8	61.2	61.5	64.3	64.9	61.9	61.3	59.7	58.6	58.0	59.4	61.3	59.8	58.5	49.1	51.3	55.7	64.7	64.8
8	60.5	60.8	61.1	64.0	64.7	61.8	61.1	59.4	58.2	57.8	59.2	61.1	59.6	58.4	48.8	51.0	55.2	64.4	64.5
7	60.1	60.4	60.7	63.8	64.5	61.8	60.9	59.0	57.9	57.6	58.9	60.8	59.4	58.3	48.5	50.7	54.8	64.2	64.3
6	59.8	60.1	60.4	63.6	64.3	61.8	60.7	58.7	57.7	57.5	58.8	60.7	59.3	58.3	48.3	50.5	54.5	64.1	64.2
5	59.5	59.8	60.1	63.4	64.2	61.7	60.4	58.5	57.6	57.4	58.7	60.5	59.2	58.2	48.1	50.2	54.2	63.9	64.0
4	59.2	59.5	59.8	63.2	64.0	61.6	60.1	58.2	57.6	57.4	58.7	60.5	59.2	58.2	47.9	50.0	53.9	63.8	63.9
3	58.9	59.2	59.5	62.9	63.9	61.2	59.7	57.9	57.4	57.3	58.6	60.4	59.2	58.2	47.8	49.9	53.7	63.7	63.8
2	58.6	58.9	59.2	62.6	63.6	60.8	59.0	57.5	57.3	57.2	58.6	60.4	59.2	58.2	47.7	49.8	53.6	63.6	63.7
1	58.3	58.6	58.9	62.2	63.1	60.1	58.1	57.2	57.2	57.2	58.5	60.3	59.1	58.2	47.6	49.6	53.3	62.9	63.5
Max	64.9	65.2	65.6	67.3	67.3	62.0	61.4	60.4	59.7	59.3	60.8	62.8	60.7	59.3	54.2	56.3	60.3	67.2	67.2
Min	58.3	58.6	58.9	62.2	63.1	60.1	58.1	57.2	57.2	57.2	58.5	60.3	59.1	58.2	47.6	49.6	53.3	62.9	63.5

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R703max	R704max	R705max	R706max	R707max	R708max	R709max	R710max	R711max	R712max	R713max	R714max	R715max	R716max	R717max	R718max	R801max	R802max	R803max
40																			
39																			
38																	66.4	66.7	63.3
37																	66.4	66.7	63.2
36																	66.4	66.7	63.2
35																	66.4	66.7	63.2
34																	66.5	66.8	63.2
33																	66.6	66.9	63.2
32	66.8	66.5	66.9	68.3	66.0	64.8	65.3	65.8	54.6	<40	<40	<40	<40	<40	45.6	58.7	66.6	66.9	63.2
31	66.8	66.5	66.9	68.3	66.1	64.9	65.4	65.9	54.7	<40	<40	<40	<40	<40	45.7	58.7	66.8	67.0	63.2
30	66.9	66.5	66.9	68.4	66.2	65.0	65.5	66.0	54.8	<40	<40	<40	<40	<40	45.9	58.7	66.8	67.0	63.3
29	66.9	66.5	66.9	68.4	66.2	65.1	65.6	66.1	54.9	<40	<40	<40	<40	<40	46.0	58.7	66.9	67.1	63.3
28	66.9	66.5	66.9	68.5	66.4	65.2	65.7	66.2	55.0	<40	<40	<40	<40	<40	46.1	58.9	67.0	67.2	63.3
27	66.9	66.5	66.9	68.5	66.4	65.3	65.8	66.3	55.2	<40	<40	<40	<40	<40	46.2	58.9	67.1	67.2	63.4
26	66.9	66.5	66.9	68.5	66.5	65.5	65.9	66.4	55.3	<40	<40	<40	<40	<40	46.3	58.9	67.2	67.3	63.4
25	66.9	66.5	66.9	68.6	66.6	65.6	66.0	66.5	55.4	<40	<40	<40	<40	<40	46.5	58.9	67.3	67.4	63.5
24	66.8	66.4	66.8	68.6	66.7	65.7	66.2	66.6	55.5	<40	<40	<40	<40	<40	46.6	59.0	67.4	67.5	63.6
23	66.8	66.4	66.8	68.7	66.8	65.8	66.3	66.7	55.7	<40	<40	<40	<40	<40	46.7	59.0	67.5	67.6	63.7
22	66.8	66.3	66.8	68.7	66.9	66.0	66.4	66.8	55.8	<40	<40	<40	<40	<40	46.9	59.1	67.6	67.7	63.8
21	66.7	66.3	66.7	68.7	67.1	66.1	66.6	66.9	55.9	<40	<40	<40	<40	<40	47.0	59.1	67.8	67.8	63.8
20	66.7	66.2	66.6	68.7	67.2	66.2	66.6	67.0	56.1	<40	<40	<40	<40	<40	47.2	59.1	67.9	67.9	63.9
19	66.6	66.1	66.6	68.8	67.3	66.3	66.8	67.2	56.2	<40	<40	<40	<40	<40	47.3	59.1	68.0	68.0	64.1
18	66.5	65.9	66.4	68.8	67.4	66.5	66.9	67.3	56.4	<40	<40	<40	<40	<40	47.5	59.1	68.2	68.2	64.2
17	66.4	65.8	66.3	68.8	67.6	66.7	67.1	67.4	56.5	<40	<40	<40	<40	<40	47.7	59.1	68.3	68.3	64.4
16	66.2	65.6	66.2	68.8	67.7	66.8	67.2	67.5	56.7	<40	<40	<40	<40	<40	47.8	59.1	68.5	68.5	64.6
15	66.0	65.4	65.9	68.8	67.8	67.0	67.4	67.7	56.8	<40	<40	<40	<40	<40	48.0	59.1	68.7	68.7	64.7
14	65.8	65.1	65.7	68.7	68.0	67.1	67.5	67.8	57.0	<40	<40	<40	<40	<40	48.1	59.0	68.8	68.8	64.9
13	65.5	64.7	65.4	68.7	68.1	67.3	67.7	68.0	57.2	<40	<40	<40	<40	<40	48.3	59.0	69.0	69.0	65.1
12	65.2	64.4	65.1	68.7	68.3	67.5	67.9	68.1	57.4	<40	<40	<40	<40	<40	48.5	58.9	69.2	69.2	65.3
11	65.0	64.0	64.8	68.7	68.5	67.7	68.0	68.3	57.6	<40	<40	<40	<40	<40	48.8	58.9	69.4	69.4	65.4
10	64.7	63.6	64.5	68.7	68.6	67.9	68.2	68.5	57.8	<40	<40	<40	<40	<40	49.0	58.9	69.6	69.6	65.7
9	64.4	63.2	64.2	68.8	68.8	68.1	68.4	68.7	57.9	<40	<40	<40	<40	<40	49.2	58.9	69.8	69.8	65.9
8	64.2	62.8	63.9	68.8	69.0	68.3	68.6	68.9	58.1	<40	<40	<40	<40	<40	49.4	58.8	70.1	70.1	66.1
7	63.9	62.5	63.6	68.9	69.3	68.5	68.8	69.1	58.4	<40	<40	<40	<40	<40	49.6	58.8	70.3	70.3	66.3
6	63.8	62.1	63.4	69.0	69.5	68.7	69.0	69.3	58.6	<40	<40	<40	<40	<40	49.9	58.8	**70.6**	**70.5**	66.6
5	63.6	61.9	63.2	69.2	69.7	68.9	69.3	69.6	58.8	<40	<40	<40	<40	<40	50.2	58.8	**70.8**	**70.8**	66.8
4	63.4	61.5	63.0	69.3	70.0	68.8	69.4	69.8	59.0	<40	<40	<40	<40	<40	50.3	58.4	**71.1**	**71.1**	67.1
3	63.2	61.2	62.8	69.3	70.2	68.0	69.2	70.0	59.3	<40	<40	<40	<40	<40	49.9	57.5	**71.4**	**71.4**	67.3
2	63.1	60.7	62.6	69.5	70.3	63.5	66.2	70.1	59.5	<40	<40	<40	<40	<40	44.9	56.9	**71.7**	**71.7**	67.6
1	62.9	59.6	61.1	69.6	66.3	57.1	59.0	65.1	57.4	<40	<40	<40	<40	<40	<40	56.6	**72.0**	**72.0**	67.8
Max	66.9	66.5	66.9	69.6	70.3	68.9	69.4	70.1	59.5	<40	<40	<40	<40	<40	50.3	59.1	**72.0**	**72.0**	67.8
Min	62.9	59.6	61.1	68.3	66.0	57.1	59.0	65.1	54.6	<40	<40	<40	<40	<40	<40	56.6	66.4	66.7	63.2

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R804max	R805max	R806max	R807max	R808max	R809max	R810max	R811max	R812max	R813max	R901max	R902max	R903max	R904max	R905max	R906max	R907max	R908max	R909max
40																			
39																			
38	<40	<40	<40	<40	<40	57.4	64.1	64.3	64.6	66.3									
37	<40	<40	<40	<40	<40	57.4	64.1	64.4	64.6	66.4									
36	<40	<40	<40	<40	<40	57.5	64.2	64.5	64.7	66.5									
35	<40	<40	<40	<40	<40	57.5	64.3	64.5	64.8	66.5									
34	<40	<40	<40	<40	<40	57.5	64.4	64.6	64.8	66.6									
33	<40	<40	<40	<40	<40	57.6	64.4	64.7	64.9	66.7									
32	<40	<40	<40	<40	<40	57.6	64.5	64.8	65.0	66.8									
31	<40	<40	<40	<40	<40	57.7	64.6	64.8	65.1	66.9									
30	<40	<40	<40	<40	<40	57.7	64.7	64.9	65.2	67.0									
29	<40	<40	<40	<40	<40	57.8	64.8	65.0	65.2	67.1									
28	<40	<40	<40	<40	<40	57.8	64.9	65.1	65.3	67.1									
27	<40	<40	<40	<40	<40	57.9	65.0	65.2	65.4	67.2									
26	<40	<40	<40	<40	<40	57.9	65.1	65.2	65.5	67.3									
25	<40	<40	<40	<40	<40	58.0	65.1	65.3	65.6	67.4									
24	<40	<40	<40	<40	<40	58.0	65.2	65.5	65.6	67.5									
23	<40	<40	<40	<40	<40	58.1	65.3	65.6	65.8	67.6									
22	<40	<40	<40	<40	<40	58.1	65.5	65.6	65.9	67.8									
21	<40	<40	<40	<40	<40	58.2	65.6	65.8	66.0	67.9									
20	<40	<40	<40	<40	<40	58.2	65.7	65.9	66.1	68.0									
19	<40	<40	<40	<40	<40	58.3	65.8	66.0	66.2	68.2									
18	<40	<40	<40	<40	<40	58.3	65.9	66.1	66.3	68.3									
17	<40	<40	<40	<40	<40	58.4	66.1	66.2	66.5	68.4									
16	<40	<40	<40	<40	<40	58.4	66.2	66.4	66.6	68.6									
15	<40	<40	<40	<40	<40	58.5	66.3	66.5	66.7	68.8									
14	<40	<40	<40	<40	<40	58.6	66.5	66.7	66.8	68.9									
13	<40	<40	<40	<40	<40	58.6	66.6	66.8	67.0	69.1									
12	<40	<40	<40	<40	<40	58.7	66.8	66.9	67.2	69.3									
11	<40	<40	<40	<40	<40	58.8	66.9	67.1	67.3	69.5									
10	<40	<40	<40	<40	<40	58.9	67.1	67.3	67.5	69.7									
9	<40	<40	<40	<40	<40	59.0	67.2	67.4	67.7	69.9	49.0	49.0	49.0	49.8	59.4	59.8	60.7	61.5	62.9
8	<40	<40	<40	<40	<40	59.1	67.4	67.6	67.8	70.2	49.0	49.0	49.0	49.7	59.2	59.7	60.6	61.5	63.0
7	<40	<40	<40	<40	<40	59.2	67.6	67.8	68.0	70.4	49.0	49.0	49.0	49.7	59.0	59.4	60.5	61.4	63.0
6	<40	<40	<40	<40	<40	59.4	67.7	68.0	68.2	**70.7**	49.0	49.0	49.0	49.6	58.4	59.0	60.2	61.2	63.0
5	<40	<40	<40	<40	<40	59.5	67.9	68.1	68.4	**71.0**	49.0	49.0	49.1	49.6	57.9	58.4	59.8	60.9	62.8
4	<40	<40	<40	<40	<40	59.7	68.1	68.3	68.7	**71.3**	49.0	49.0	49.1	49.6	57.0	57.6	59.1	60.4	62.5
3	<40	<40	<40	<40	<40	59.8	68.2	68.5	68.8	**71.6**	49.0	49.0	49.1	49.6	55.4	56.3	58.2	59.5	62.0
2	<40	<40	<40	<40	<40	59.9	68.4	68.7	69.0	**71.9**	49.0	49.0	49.1	49.6	53.3	54.1	56.4	58.3	61.3
1	<40	<40	<40	<40	<40	59.9	68.4	68.8	69.2	**72.2**	49.0	49.0	49.1	49.6	50.9	51.3	53.7	55.7	59.7
Max	<40	<40	<40	<40	<40	59.9	68.4	68.8	69.2	**72.2**	49.0	49.0	49.1	49.8	59.4	59.8	60.7	61.5	63.0
Min	<40	<40	<40	<40	<40	57.4	64.1	64.3	64.6	66.3	49.0	49.0	49.0	49.6	50.9	51.3	53.7	55.7	59.7

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R910max	R911max	R912max	R913max	R914max	R915max	R916max	R917max	R918max	R919max	R1001max	R1002max	R1003max	R1004max	R1005max	R1006max	R1007max	R1008max	R1009max
40																			
39																			
38																			
37																			
36																			
35																			
34																			
33																			
32																			
31																			
30																			
29																			
28																			
27																			
26																			
25											59.8	61.0	65.3	65.3	64.1	63.7	62.7	62.2	52.2
24											59.6	60.8	65.0	65.1	63.8	63.5	62.5	62.0	52.2
23											59.3	60.5	64.7	64.8	63.6	63.3	62.2	61.8	52.2
22											58.9	60.1	64.4	64.4	63.2	62.9	61.9	61.4	52.1
21											58.3	59.5	63.9	63.9	62.8	62.5	61.5	61.1	52.1
20											57.6	58.9	63.4	63.5	62.4	62.1	61.2	60.7	52.0
19											57.0	58.3	63.0	63.0	61.9	61.7	60.8	60.4	52.0
18											56.2	57.6	62.4	62.5	61.5	61.2	60.4	60.0	51.8
17											55.4	57.0	61.9	61.9	60.9	60.6	59.9	59.5	51.7
16											54.7	56.4	61.3	61.4	60.4	60.1	59.5	59.0	51.6
15											54.0	55.8	60.8	60.8	60.0	59.7	59.0	58.6	51.3
14											53.4	55.3	60.4	60.4	59.5	59.3	58.6	58.1	51.2
13											52.8	54.8	60.0	60.0	59.1	58.9	58.2	57.7	51.0
12											52.3	54.3	59.7	59.7	58.7	58.5	57.8	57.4	50.9
11											51.8	53.9	59.4	59.5	58.4	58.2	57.6	57.1	50.6
10											51.5	53.5	58.9	58.9	58.1	57.9	57.4	57.0	50.3
9	64.7	65.4	64.5	66.1	66.9	66.9	61.3	59.9	59.6	49.0	50.9	52.9	58.3	58.4	57.6	57.4	56.9	56.5	49.8
8	64.9	65.5	64.6	66.2	67.0	67.0	61.5	60.0	59.8	49.0	50.3	52.4	57.9	58.0	57.1	57.0	56.4	56.0	49.5
7	64.9	65.6	64.7	66.4	67.2	67.1	61.6	60.1	59.9	49.0	49.8	52.0	57.5	57.5	56.7	56.5	56.0	55.6	49.1
6	65.0	65.7	64.8	66.5	67.4	67.3	61.7	60.3	60.0	49.0	49.4	51.6	57.2	57.2	56.4	56.2	55.6	55.3	49.0
5	65.0	65.8	64.9	66.6	67.5	67.4	61.8	60.4	60.1	49.0	49.0	51.3	56.9	56.8	56.1	55.9	55.3	55.0	48.8
4	64.9	65.8	64.8	66.7	67.7	67.5	62.0	60.5	60.2	49.0	48.6	51.0	56.5	56.5	55.7	55.5	55.0	54.7	48.7
3	64.7	65.6	64.6	66.7	67.8	67.6	62.1	60.6	60.3	49.0	48.3	50.5	56.1	56.1	55.3	55.1	54.6	54.3	48.5
2	64.3	65.4	64.4	66.6	67.8	67.6	62.2	60.7	60.4	49.0	47.9	50.2	55.7	55.7	54.9	54.7	54.2	53.8	48.3
1	63.7	65.0	63.7	66.4	67.7	67.6	62.3	60.9	60.5	49.0	47.6	49.8	55.4	55.4	54.6	54.4	53.7	53.1	48.1
Max	65.0	65.8	64.9	66.7	67.8	67.6	62.3	60.9	60.5	49.0	59.8	61.0	65.3	65.3	64.1	63.7	62.7	62.2	52.2
Min	63.7	65.0	63.7	66.1	66.9	66.9	61.3	59.9	59.6	49.0	47.6	49.8	55.4	55.4	54.6	54.4	53.7	53.1	48.1

Noise sensitive receivers with exceedance ($\geq$70.5 dB(A))

Floor	R1010max	R1011max	R1012max	R1013max	R1101max	R1102max	R1103max	R1104max	R1105max	R1106max	R1107max	R1108max	R1109max	R1110max	R1111max	R1112max	R1113max	R1201max	R1202max
40																			
39																			
38																			
37					66.4	62.7	62.2	62.1	61.8	61.3	60.9	60.7	59.7	59.5	64.6	66.7	66.6		
36					66.4	62.7	62.2	62.1	61.8	61.4	60.9	60.7	59.8	59.6	64.6	66.7	66.6		
35					66.4	62.7	62.2	62.2	61.8	61.4	61.0	60.8	59.9	59.6	64.6	66.7	66.6		
34					66.4	62.8	62.3	62.2	61.9	61.4	61.0	60.8	60.0	59.7	64.6	66.7	66.6		
33					66.5	62.8	62.3	62.2	61.9	61.5	61.1	60.9	60.0	59.8	64.7	66.8	66.7		
32					66.5	62.8	62.3	62.2	61.9	61.5	61.1	60.9	60.1	59.9	64.7	66.8	66.7		
31					66.5	62.8	62.3	62.2	62.0	61.5	61.1	61.0	60.1	59.9	64.7	66.8	66.7		
30					66.5	62.8	62.3	62.2	62.0	61.6	61.2	61.0	60.2	60.0	64.7	66.8	66.7		
29					66.4	62.8	62.3	62.2	62.0	61.6	61.2	61.1	60.2	60.1	64.7	66.8	66.7		
28					66.5	62.8	62.3	62.2	62.0	61.6	61.3	61.1	60.3	60.1	64.7	66.8	66.7		
27					66.4	62.8	62.3	62.2	62.0	61.6	61.3	61.1	60.3	60.2	64.7	66.8	66.6		
26					66.4	62.8	62.3	62.2	62.0	61.6	61.3	61.2	60.4	60.3	64.7	66.7	66.6		
25	52.0	52.3	60.3	62.8	66.4	62.8	62.3	62.2	62.0	61.6	61.3	61.2	60.4	60.3	64.7	66.7	66.6		
24	52.0	52.4	60.1	62.5	66.3	62.7	62.2	62.1	62.0	61.6	61.3	61.2	60.4	60.4	64.7	66.7	66.5	63.9	69.0
23	52.0	52.4	59.9	62.2	66.3	62.7	62.2	62.1	62.0	61.5	61.3	61.2	60.5	60.4	64.7	66.6	66.5	63.8	68.9
22	52.0	52.4	59.5	61.8	66.2	62.6	62.1	62.0	61.9	61.5	61.3	61.2	60.4	60.4	64.6	66.6	66.4	63.7	68.7
21	52.0	52.4	59.1	61.4	66.1	62.5	62.1	61.9	61.8	61.4	61.2	61.1	60.4	60.3	64.5	66.5	66.3	63.5	68.5
20	52.0	52.4	58.6	61.0	66.0	62.5	62.0	61.9	61.7	61.3	61.1	61.0	60.3	60.3	64.5	66.3	66.2	63.2	68.2
19	52.0	52.4	58.2	60.6	65.9	62.4	61.9	61.8	61.5	61.1	61.0	60.9	60.2	60.2	64.3	66.2	66.1	62.7	67.8
18	52.0	52.3	57.7	60.1	65.7	62.3	61.7	61.7	61.3	60.9	60.7	60.7	60.0	60.0	64.2	66.0	65.9	62.0	67.2
17	51.9	52.3	57.2	59.6	65.5	62.1	61.6	61.6	61.0	60.5	60.4	60.3	59.7	59.7	64.0	65.8	65.7	61.1	66.5
16	51.7	52.2	56.8	59.2	65.2	61.9	61.5	61.4	60.6	60.1	60.0	59.9	59.3	59.3	63.7	65.5	65.4	60.1	65.8
15	51.6	52.0	56.3	58.7	64.9	61.7	61.3	61.2	60.2	59.5	59.4	59.3	58.7	58.7	63.3	65.2	65.1	59.3	65.1
14	51.5	51.9	56.0	58.3	64.5	61.5	61.0	60.9	59.6	58.8	58.5	58.4	57.7	57.6	62.8	64.8	64.7	58.5	64.4
13	51.4	51.8	55.6	57.9	64.1	61.2	60.7	60.6	59.2	58.1	57.8	57.6	56.9	56.7	62.3	64.3	64.3	57.8	63.8
12	51.2	51.7	55.3	57.6	63.7	60.8	60.4	60.3	58.7	57.4	56.9	56.8	56.0	55.8	61.8	63.9	63.8	57.2	63.3
11	51.0	51.5	54.9	57.3	63.2	60.5	60.1	60.0	58.2	56.7	56.2	56.0	55.3	55.0	61.4	63.3	63.3	56.8	62.9
10	50.7	51.2	54.6	57.1	62.6	60.0	59.6	59.6	57.8	56.1	55.6	55.4	54.6	54.3	60.9	62.8	62.7	56.2	62.2
9	50.3	50.8	54.2	56.6	62.1	59.6	59.3	59.3	57.4	55.6	55.1	54.8	54.0	53.7	60.4	62.2	62.1	55.5	61.6
8	50.0	50.5	53.8	56.1	61.6	59.2	58.8	58.8	57.1	55.1	54.5	54.3	53.4	53.1	59.8	61.7	61.6	55.0	61.1
7	49.7	50.2	53.4	55.7	61.1	58.7	58.4	58.3	56.8	54.7	54.1	53.8	53.0	52.7	59.4	61.2	61.1	54.4	60.6
6	49.5	50.0	53.2	55.3	60.7	58.2	57.9	57.9	56.5	54.3	53.7	53.5	52.5	52.2	58.9	60.8	60.7	53.9	60.1
5	49.4	50.0	52.9	55.0	60.4	57.8	57.4	57.4	56.3	54.0	53.3	53.0	52.0	51.7	58.5	60.4	60.3	53.4	59.7
4	49.3	49.9	52.7	54.8	60.1	57.4	57.1	57.0	56.0	53.6	52.8	52.5	51.5	51.1	58.1	59.9	59.9	52.9	59.3
3	49.3	49.9	52.6	54.6	59.6	57.0	56.6	56.6	55.5	53.0	52.3	52.0	51.0	50.6	57.7	59.5	59.5	52.6	58.8
2	49.3	49.9	52.4	54.3	59.1	56.6	56.1	56.1	55.0	52.6	51.8	51.6	50.6	50.2	57.3	59.0	59.0	52.1	58.4
1	49.3	49.8	52.2	54.0	58.7	56.2	55.7	55.6	54.5	52.2	51.5	51.2	50.3	49.9	56.8	58.5	58.5	51.7	58.0
Max	52.0	52.4	60.3	62.8	66.5	62.8	62.3	62.2	62.0	61.6	61.3	61.2	60.5	60.4	64.7	66.8	66.7	63.9	69.0
Min	49.3	49.8	52.2	54.0	58.7	56.2	55.7	55.6	54.5	52.2	51.5	51.2	50.3	49.9	56.8	58.5	58.5	51.7	58.0

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R1203max	R1204max	R1205max	R1206max	R1207max	R1208max	R1209max	R1210max	R1211max	R1212max	R1213max	R1301max	R1302max	R1303max	R1304max	R1305max	R1306max	R1307max	R1308max
40												69.9	67.7	61.1	61.3	61.7	62.0	68.7	**70.5**
39												70.0	67.7	61.2	61.3	61.8	62.0	68.7	**70.5**
38												70.0	67.8	61.2	61.3	61.8	62.0	68.8	**70.6**
37												70.1	67.8	61.2	61.3	61.8	62.1	68.8	**70.6**
36												70.1	67.9	61.2	61.4	61.8	62.1	68.8	**70.7**
35												70.2	68.0	61.2	61.4	61.8	62.1	68.8	**70.7**
34												70.2	68.0	61.2	61.4	61.9	62.1	68.8	**70.8**
33												70.2	68.1	61.2	61.4	61.8	62.1	68.9	**70.8**
32												70.3	68.1	61.2	61.4	61.8	62.1	68.9	**70.8**
31												70.3	68.1	61.2	61.3	61.8	62.1	68.9	**70.8**
30												70.3	68.2	61.1	61.3	61.8	62.0	68.9	**70.8**
29												70.3	68.2	61.1	61.3	61.8	62.0	68.9	**70.9**
28												70.4	68.3	61.1	61.2	61.7	62.0	68.9	**70.8**
27												70.4	68.3	61.0	61.2	61.6	61.9	68.8	**70.8**
26												70.4	68.3	60.9	61.1	61.6	61.8	68.8	**70.8**
25												70.3	68.3	60.8	61.0	61.4	61.7	68.7	**70.8**
24	68.9	69.1	69.4	69.9	69.0	68.5	68.1	67.9	60.8	<40	<40	70.3	68.3	60.6	60.8	61.3	61.6	68.6	**70.7**
23	68.8	68.9	69.3	69.7	68.9	68.3	67.9	67.8	60.7	<40	<40	70.2	68.2	60.4	60.6	61.1	61.4	68.5	**70.6**
22	68.6	68.8	69.1	69.6	68.7	68.2	67.8	67.7	60.6	<40	<40	70.2	68.2	60.2	60.4	60.9	61.1	68.3	**70.5**
21	68.4	68.5	68.9	69.4	68.5	68.0	67.6	67.5	60.5	<40	<40	70.0	68.1	59.9	60.1	60.6	60.9	68.1	70.3
20	68.1	68.2	68.6	69.1	68.3	67.8	67.4	67.2	60.3	<40	<40	69.8	68.0	59.6	59.7	60.2	60.5	67.9	70.1
19	67.6	67.8	68.2	68.7	67.9	67.5	67.1	66.9	60.1	<40	<40	69.7	67.8	59.1	59.3	59.8	60.0	67.6	69.8
18	67.1	67.2	67.7	68.2	67.5	67.1	66.7	66.6	59.9	<40	<40	69.3	67.5	58.6	58.8	59.3	59.5	67.2	69.5
17	66.5	66.6	67.2	67.8	67.1	66.6	66.3	66.2	59.6	<40	<40	68.9	67.1	58.3	58.4	58.8	59.1	66.7	69.0
16	65.8	66.0	66.6	67.2	66.6	66.2	65.8	65.7	59.2	<40	<40	68.3	66.6	57.9	58.0	58.5	58.6	66.2	68.4
15	65.2	65.4	66.0	66.6	66.0	65.6	65.3	65.2	58.7	<40	<40	67.6	65.8	57.2	57.4	57.8	58.0	65.6	67.7
14	64.5	64.7	65.3	66.0	65.4	65.0	64.8	64.7	58.2	<40	<40	66.9	65.0	56.7	56.8	57.2	57.4	65.0	67.0
13	63.9	64.1	64.7	65.4	64.8	64.5	64.2	64.1	57.7	<40	<40	66.1	64.1	56.2	56.2	56.6	56.8	64.3	66.2
12	63.4	63.6	64.1	64.8	64.3	64.0	63.7	63.5	57.3	<40	<40	65.1	62.9	55.6	55.7	56.1	56.3	63.6	65.3
11	63.0	63.2	63.7	64.4	63.8	63.4	63.1	63.0	56.7	<40	<40	64.2	61.8	55.2	55.3	55.8	56.0	63.0	64.6
10	62.3	62.5	63.1	63.7	63.3	63.0	62.7	62.6	56.0	<40	<40	63.4	60.9	54.8	54.9	55.3	55.6	62.6	64.0
9	61.7	61.9	62.4	63.1	62.6	62.3	62.1	62.1	55.4	<40	<40	62.7	59.9	54.6	54.8	55.2	55.5	62.2	63.4
8	61.1	61.4	61.9	62.5	62.1	61.8	61.6	61.5	54.9	<40	<40	61.9	58.7	54.5	54.5	54.7	54.9	61.6	62.5
7	60.7	60.9	61.4	62.0	61.6	61.3	61.1	61.0	54.4	<40	<40	61.1	57.6	53.8	53.9	54.1	54.2	60.9	61.7
6	60.2	60.4	61.0	61.6	61.1	60.9	60.7	60.6	54.0	<40	<40	60.3	56.7	53.3	53.3	53.6	53.7	60.3	61.1
5	59.7	59.9	60.4	61.0	60.5	60.3	60.1	60.0	53.6	<40	<40	59.7	55.9	52.8	52.9	53.2	53.3	59.7	60.5
4	59.3	59.5	59.9	60.4	60.0	59.7	59.6	59.5	52.9	<40	<40	59.1	55.1	52.4	52.4	52.7	52.9	59.3	59.9
3	58.8	59.0	59.4	60.0	59.5	59.3	59.1	59.1	52.2	<40	<40	58.5	54.4	52.1	52.1	52.4	52.5	58.8	59.4
2	58.4	58.6	59.0	59.5	59.1	58.8	58.7	58.6	51.7	<40	<40	58.0	53.8	51.7	51.7	52.0	52.1	58.3	58.9
1	58.0	58.2	58.6	59.1	58.7	58.4	58.3	58.2	51.1	<40	<40	57.5	53.1	51.4	51.4	51.7	51.8	57.9	58.4
Max	68.9	69.1	69.4	69.9	69.0	68.5	68.1	67.9	60.8	<40	<40	70.4	68.3	61.2	61.4	61.9	62.1	68.9	**70.9**
Min	58.0	58.2	58.6	59.1	58.7	58.4	58.3	58.2	51.1	<40	<40	57.5	53.1	51.4	51.4	51.7	51.8	57.9	58.4

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R1309max	R1401max	R1402max	R1403max	R1404max	R1405max	R1406max	R1407max	R1408max	R1409max	R1410max	R1411max	R1412max	R1413max	R1414max	R1415max	R1416max	R1417max
40	**70.5**																	
39	**70.5**																	
38	**70.6**																	
37	**70.6**	69.7	68.1	68.2	68.1	68.0	61.5	58.7	58.7	58.7	58.7	58.7	59.1	59.4	67.3	69.6	69.6	69.6
36	**70.7**	69.7	68.2	68.2	68.2	68.1	61.5	58.7	58.7	58.7	58.7	58.7	59.1	59.4	67.4	69.7	69.6	69.6
35	**70.7**	69.8	68.2	68.3	68.2	68.1	61.5	58.6	58.6	58.7	58.7	58.7	59.1	59.4	67.4	69.7	69.7	69.7
34	**70.7**	69.8	68.3	68.3	68.3	68.2	61.5	58.6	58.6	58.7	58.7	58.7	59.0	59.4	67.5	69.8	69.7	69.7
33	**70.8**	69.9	68.3	68.4	68.3	68.2	61.5	58.6	58.6	58.7	58.7	58.7	59.0	59.3	67.5	69.8	69.8	69.8
32	**70.8**	69.9	68.4	68.4	68.3	68.2	61.6	58.5	58.5	58.6	58.6	58.6	59.0	59.3	67.5	69.9	69.8	69.8
31	**70.8**	70.0	68.4	68.4	68.4	68.3	61.6	58.5	58.6	58.6	58.6	58.5	58.9	59.3	67.5	69.9	69.9	69.9
30	**70.8**	70.0	68.4	68.5	68.4	68.3	61.6	58.4	58.5	58.5	58.6	58.6	58.9	59.2	67.5	70.0	69.9	69.9
29	**70.9**	70.0	68.5	68.5	68.5	68.3	61.5	58.4	58.4	58.5	58.5	58.5	58.8	59.2	67.6	70.0	70.0	69.9
28	**70.8**	70.1	68.5	68.5	68.5	68.4	61.5	58.4	58.4	58.4	58.4	58.4	58.8	59.2	67.6	70.0	70.0	70.0
27	**70.8**	70.1	68.6	68.6	68.5	68.4	61.5	58.3	58.3	58.4	58.4	58.4	58.7	59.1	67.6	70.1	70.0	70.0
26	**70.8**	70.2	68.6	68.6	68.5	68.4	61.4	58.2	58.2	58.3	58.3	58.3	58.6	59.0	67.6	70.1	70.1	70.0
25	**70.8**	70.2	68.6	68.6	68.6	68.4	61.4	58.1	58.1	58.2	58.2	58.2	58.6	58.9	67.6	70.1	70.1	70.1
24	**70.7**	70.2	68.6	68.6	68.6	68.4	61.4	58.0	58.0	58.0	58.1	58.1	58.4	58.8	67.5	70.1	70.1	70.1
23	**70.6**	70.2	68.6	68.6	68.5	68.4	61.3	57.8	57.9	57.9	57.9	57.9	58.3	58.7	67.5	70.1	70.1	70.1
22	**70.5**	70.2	68.6	68.6	68.5	68.4	61.2	57.7	57.7	57.7	57.8	57.8	58.2	58.5	67.5	70.1	70.1	70.1
21	70.3	70.1	68.6	68.6	68.5	68.4	61.2	57.5	57.5	57.5	57.6	57.6	57.9	58.3	67.4	70.0	70.0	70.0
20	70.2	70.1	68.5	68.5	68.5	68.3	61.1	57.2	57.3	57.3	57.3	57.3	57.7	58.1	67.2	70.0	70.0	70.0
19	69.9	70.0	68.5	68.5	68.4	68.2	61.0	57.0	57.0	57.1	57.1	57.1	57.4	57.8	67.1	69.9	69.9	69.9
18	69.5	69.9	68.3	68.3	68.3	68.2	60.9	56.7	56.7	56.8	56.8	56.7	57.1	57.4	67.0	69.8	69.8	69.8
17	69.1	69.8	68.2	68.2	68.2	68.0	60.8	56.4	56.3	56.4	56.4	56.4	56.7	57.1	66.7	69.6	69.6	69.6
16	68.5	69.6	68.0	68.0	68.0	67.8	60.7	56.0	56.0	56.1	56.1	56.1	56.4	56.7	66.5	69.3	69.4	69.4
15	67.7	69.3	67.7	67.8	67.7	67.6	60.5	55.7	55.7	55.7	55.8	55.7	56.0	56.4	66.1	69.0	69.0	69.1
14	67.1	68.8	67.4	67.4	67.4	67.2	60.4	55.5	55.4	55.5	55.5	55.5	55.8	56.1	65.7	68.5	68.5	68.6
13	66.2	68.2	66.9	66.9	66.9	66.8	60.3	55.3	55.2	55.3	55.3	55.2	55.5	55.8	65.1	67.8	67.9	67.9
12	65.3	67.5	66.3	66.4	66.4	66.3	60.2	54.9	54.8	54.8	54.8	54.7	55.0	55.3	64.4	67.0	67.0	67.1
11	64.6	66.7	65.6	65.7	65.7	65.7	60.0	54.4	54.4	54.4	54.3	54.2	54.5	54.8	63.8	66.2	66.2	66.2
10	63.9	65.9	65.0	65.2	65.3	65.3	59.9	54.0	54.0	53.9	53.9	53.9	54.1	54.4	63.0	65.3	65.3	65.4
9	63.4	65.1	64.4	64.7	64.7	64.8	59.8	53.6	53.6	53.6	53.5	53.5	53.7	53.9	62.1	64.3	64.4	64.4
8	62.5	64.3	63.7	64.1	64.2	64.3	59.7	53.2	53.2	53.2	53.2	53.1	53.3	53.6	61.4	63.6	63.6	63.6
7	61.7	63.6	63.2	63.6	63.7	63.9	59.6	52.9	52.9	52.9	52.9	52.8	53.1	53.3	60.7	62.7	62.8	62.8
6	61.0	62.8	62.7	63.1	63.3	63.4	59.4	52.7	52.7	52.7	52.7	52.6	52.7	53.0	59.9	61.9	61.9	62.0
5	60.4	62.1	62.1	62.6	62.8	63.0	59.1	52.4	52.4	52.4	52.4	52.3	52.6	52.9	59.2	61.2	61.2	61.2
4	59.8	61.5	61.6	62.0	62.3	62.5	59.0	52.3	52.3	52.3	52.2	52.2	52.5	52.9	58.6	60.6	60.6	60.6
3	59.3	61.0	61.2	61.6	61.8	62.1	58.8	52.2	52.2	52.3	52.2	52.2	52.2	52.4	57.9	59.9	60.0	60.1
2	58.8	60.5	60.8	61.1	61.4	61.7	58.6	52.1	52.0	51.9	51.7	51.6	51.7	51.9	57.3	59.3	59.4	59.5
1	58.3	60.1	60.4	60.8	61.1	61.3	58.4	51.6	51.5	51.4	51.3	51.1	51.3	51.5	56.7	58.8	58.9	58.9
Max	**70.9**	70.2	68.6	68.6	68.6	68.4	61.6	58.7	58.7	58.7	58.7	58.7	59.1	59.4	67.6	70.1	70.1	70.1
Min	58.3	60.1	60.4	60.8	61.1	61.3	58.4	51.6	51.5	51.4	51.3	51.1	51.3	51.5	56.7	58.8	58.9	58.9

Noise sensitive receivers with exceedance (≥70.5 dB(A))

Floor	R101a	R101b	R101c	R101d	R101e	R101f	R101g	R102a	R102b	R103a	R103b	R103c	R103d	R103e	R104a	R104b	R104c
40																	
39																	
38																	
37	59.3	59.1	59.8	59.6	60.0	60.3	61.9	62.4	62.3	64.8	64.3	64.4	62.5	61.1	60.7	60.4	60.1
36	59.3	59.1	59.8	59.6	60.0	60.3	62.0	62.5	62.3	64.8	64.4	64.4	62.6	61.1	60.8	60.4	60.2
35	59.4	59.1	59.8	59.6	60.0	60.3	62.0	62.5	62.4	64.9	64.4	64.5	62.7	61.2	60.8	60.5	60.2
34	59.4	59.1	59.8	59.6	60.0	60.3	62.0	62.6	62.4	64.9	64.5	64.6	62.7	61.3	60.9	60.5	60.3
33	59.4	59.1	59.8	59.6	60.0	60.3	62.1	62.6	62.5	65.0	64.6	64.7	62.8	61.4	61.0	60.6	60.4
32	59.5	59.1	59.7	59.6	60.0	60.4	62.1	62.7	62.6	65.1	64.7	64.7	62.9	61.5	61.1	60.7	60.5
31	59.5	59.1	59.7	59.6	60.0	60.4	62.2	62.7	62.6	65.2	64.8	64.8	63.0	61.6	61.2	60.8	60.6
30	59.6	59.1	59.7	59.6	60.0	60.3	62.2	62.8	62.7	65.2	64.9	64.9	63.1	61.7	61.2	60.9	60.7
29																	
28																	
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10																	
9																	
8																	
7																	
6																	
5																	
4																	
3																	
2																	
1																	
Max	59.6	59.1	59.8	59.6	60.0	60.4	62.2	62.8	62.7	65.2	64.9	64.9	63.1	61.7	61.2	60.9	60.7
Min	59.3	59.1	59.7	59.6	60.0	60.3	61.9	62.4	62.3	64.8	64.3	64.4	62.5	61.1	60.7	60.4	60.1

Total Flats	7052
Exceedance	56
Compliance Rate	99.2%

Floor	R104d	R104e	R105a	R105b	R105c	R105d	R701a	R702a	R702b	R702c	R703a	R703b	R703c	R704a	R704b	R704c	R705a
40																	
39																	
38							<40	67.0	66.9	66.9	66.7	66.6	66.4	66.2	66.3	66.4	66.5
37	59.7	59.7	59.5	59.6	59.4	59.5	<40	67.0	66.9	66.9	66.7	66.6	66.5	66.3	66.3	66.4	66.5
36	59.8	59.8	59.6	59.6	59.4	59.5	<40	67.0	67.0	66.9	66.7	66.6	66.5	66.3	66.4	66.4	66.5
35	59.9	59.8	59.6	59.7	59.5	59.6	<40	67.1	67.0	66.9	66.7	66.7	66.5	66.3	66.4	66.4	66.6
34	59.9	59.9	59.7	59.7	59.5	59.6	<40	67.1	67.0	67.0	66.8	66.7	66.5	66.3	66.4	66.5	66.6
33	60.0	59.9	59.7	59.8	59.6	59.7	<40	67.1	67.0	67.0	66.8	66.7	66.6	66.3	66.4	66.5	66.6
32	60.1	60.0	59.8	59.9	59.6	59.7											
31	60.2	60.1	59.9	59.9	59.7	59.8											
30	60.2	60.1	60.0	60.0	59.7	59.8											
29																	
28																	
27																	
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1																	
Max	60.2	60.1	60.0	60.0	59.7	59.8	<40	67.1	67.0	67.0	66.8	66.7	66.6	66.3	66.4	66.5	66.6
Min	59.7	59.7	59.5	59.6	59.4	59.5	<40	67.0	66.9	66.9	66.7	66.6	66.4	66.2	66.3	66.4	66.5

Floor	R705b	R706a	R706b	R706c	R707a	R707b	R707c	R708a	R708b	R708c	R708d	R709a	R709b	R709c	R710a	R710b	R710c
40																	
39																	
38	66.7	66.9	67.6	68.1	65.8	64.8	64.7	64.5	64.4	64.3	64.2	64.4	64.7	64.9	65.1	65.2	65.4
37	66.7	66.9	67.6	68.1	65.7	64.8	64.6	64.5	64.4	64.3	64.3	64.5	64.7	64.9	65.1	65.2	65.4
36	66.7	66.9	67.6	68.1	65.7	64.8	64.6	64.5	64.4	64.4	64.3	64.5	64.8	65.0	65.2	65.3	65.5
35	66.8	66.9	67.7	68.1	65.8	64.8	64.7	64.6	64.5	64.4	64.4	64.6	64.8	65.0	65.2	65.3	65.5
34	66.8	67.0	67.7	68.2	65.8	64.9	64.8	64.6	64.6	64.5	64.4	64.7	64.9	65.1	65.3	65.4	65.6
33	66.8	67.0	67.7	68.2	65.9	65.0	64.8	64.7	64.7	64.6	64.5	64.8	65.0	65.2	65.4	65.5	65.7
32																	
31																	
30																	
29																	
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9																	
8																	
7																	
6																	
5																	
4																	
3																	
2																	
1																	
Max	66.8	67.0	67.7	68.2	65.9	65.0	64.8	64.7	64.7	64.6	64.5	64.8	65.0	65.2	65.4	65.5	65.7
Min	66.7	66.9	67.6	68.1	65.7	64.8	64.6	64.5	64.4	64.3	64.2	64.4	64.7	64.9	65.1	65.2	65.4

Floor	R711a	R711b	R712a	R712b	R713a	R713b	R714a	R715a	R715b	R715c	R716a	R716b	R717a	R717b	R717c	R901a	R901b
40																	
39																	
38	54.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	45.5	51.2	53.1	58.3	48.6	48.7
37	54.1	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	45.4	51.1	53.1	58.4	48.6	48.7
36	54.2	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	45.4	51.2	53.2	58.5	48.7	48.7
35	54.2	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	45.4	51.3	53.3	58.5	48.7	48.7
34	54.3	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	45.4	51.4	53.4	58.5	48.7	48.8
33	54.4	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	45.5	51.5	53.5	58.6	48.7	48.8
32																48.7	48.8
31																48.7	48.8
30																48.8	48.8
29																48.8	48.8
28																48.8	48.9
27																48.8	48.9
26																48.8	48.9
25																48.8	48.9
24																48.8	48.9
23																48.9	48.9
22																48.9	48.9
21																48.9	48.9
20																48.9	49.0
19																48.9	49.0
18																48.9	49.0
17																48.9	49.0
16																48.9	49.0
15																48.9	49.0
14																48.9	49.0
13																48.9	49.0
12																48.9	49.0
11																<40	<40
10																<40	<40
9																	
8																	
7																	
6																	
5																	
4																	
3																	
2																	
1																	
Max	54.4	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	45.5	51.5	53.5	58.6	48.9	49.0
Min	54.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	45.4	51.1	53.1	58.3	<40	<40

Floor	R902a	R902b	R903a	R903b	R904a	R904b	R904c	R904d	R905a	R905b	R905c	R905d	R905e	R906a	R906b	R907a	R907b
40																	
39																	
38	48.7	48.6	48.7	48.7	48.7	50.6	50.2	49.0	50.1	50.6	57.6	57.9	58.0	58.2	58.5	58.8	59.0
37	48.7	48.7	48.7	48.7	48.7	50.6	50.1	49.0	50.1	50.6	57.6	58.0	58.1	58.2	58.5	58.9	59.1
36	48.7	48.7	48.8	48.7	48.7	50.6	50.1	49.0	50.0	50.5	57.7	58.0	58.1	58.3	58.6	58.9	59.2
35	48.7	48.7	48.8	48.7	48.7	50.6	50.1	48.9	50.0	50.5	57.7	58.0	58.2	58.4	58.7	59.0	59.2
34	48.7	48.7	48.8	48.8	48.7	50.6	50.1	48.9	50.0	50.5	57.8	58.1	58.3	58.4	58.7	59.1	59.3
33	48.8	48.7	48.8	48.8	48.8	50.6	50.1	48.9	50.0	50.5	57.9	58.2	58.3	58.5	58.8	59.2	59.4
32	48.8	48.7	48.8	48.8	48.8	50.5	50.1	48.9	49.9	50.5	57.9	58.3	58.4	58.6	58.9	59.3	59.5
31	48.8	48.8	48.8	48.8	48.8	50.5	50.0	48.9	49.9	50.4	58.0	58.3	58.5	58.7	59.0	59.3	59.5
30	48.8	48.8	48.8	48.8	48.8	50.5	50.0	48.9	49.9	50.4	58.1	58.4	58.6	58.8	59.1	59.4	59.6
29	48.8	48.8	48.9	48.8	48.8	50.5	50.0	48.9	49.9	50.4	58.1	58.5	58.6	58.9	59.2	59.5	59.7
28	48.8	48.8	48.9	48.9	48.8	50.5	50.0	48.9	49.9	50.3	58.2	58.6	58.7	58.9	59.2	59.6	59.8
27	48.8	48.8	48.9	48.9	48.8	50.4	50.0	48.9	49.9	50.3	58.3	58.6	58.8	59.0	59.3	59.7	59.9
26	48.9	48.8	48.9	48.9	48.9	50.4	50.0	48.9	49.9	50.3	58.4	58.7	58.9	59.1	59.4	59.8	60.0
25	48.9	48.8	48.9	48.9	48.9	50.4	50.0	48.9	49.8	50.3	58.5	58.8	58.9	59.2	59.5	59.9	60.1
24	48.9	48.9	48.9	48.9	48.9	50.4	50.0	48.9	49.8	50.2	58.5	58.9	59.0	59.3	59.6	60.0	60.2
23	48.9	48.9	48.9	48.9	48.9	50.3	49.9	49.0	49.8	50.2	58.6	58.9	59.1	59.4	59.7	60.1	60.3
22	48.9	48.9	49.0	48.9	48.9	50.3	49.9	49.0	49.8	50.2	58.7	59.0	59.1	59.5	59.8	60.2	60.4
21	48.9	48.9	49.0	48.9	48.9	50.3	49.9	49.0	49.7	50.1	58.8	59.1	59.2	59.6	59.9	60.3	60.5
20	48.9	48.9	49.0	48.9	48.9	50.2	49.8	49.0	49.7	50.1	58.8	59.1	59.3	59.7	60.0	60.4	60.6
19	48.9	48.9	49.0	49.0	48.9	50.2	49.8	49.0	49.7	50.0	58.9	59.2	59.4	59.8	60.1	60.5	60.7
18	48.9	48.9	49.0	49.0	48.9	50.1	49.8	48.9	49.6	50.0	59.0	59.3	59.4	59.9	60.2	60.6	60.8
17	49.0	48.9	49.0	49.0	48.9	50.0	49.8	48.9	49.6	49.9	59.0	59.4	59.5	60.0	60.3	60.7	60.9
16	49.0	48.9	49.0	49.0	49.0	50.0	49.7	48.9	49.5	49.9	59.1	59.5	59.5	60.0	60.4	60.8	61.0
15	49.0	48.9	49.0	49.0	49.0	49.9	49.7	48.9	49.5	49.9	59.2	59.5	59.6	60.1	60.5	60.9	61.1
14	49.0	49.0	49.0	49.0	49.0	49.9	49.7	48.9	49.5	49.8	59.1	59.5	59.6	60.2	60.6	61.0	61.2
13	49.0	49.0	49.0	49.0	49.0	49.8	49.6	48.9	49.5	49.8	59.2	59.5	59.7	60.3	60.7	61.0	61.3
12	49.0	49.0	49.0	49.0	49.0	49.8	49.6	48.9	49.4	49.8	59.1	59.5	59.7	60.4	60.7	61.1	61.4
11	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
10	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
9																	
8																	
7																	
6																	
5																	
4																	
3																	
2																	
1																	
Max	49.0	49.0	49.0	49.0	49.0	50.6	50.2	49.0	50.1	50.6	59.2	59.5	59.7	60.4	60.7	61.1	61.4
Min	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40

Floor	R908a	R908b	R909a	R909b	R909c	R909d	R909e	R910a	R910b	R911a	R911b	R912a	R912b	R912c	R913a	R913b	R913c
40																	
39																	
38	59.4	60.2	61.0	61.8	62.1	62.4	61.9	61.4	61.6	62.0	62.9	63.5	63.8	63.7	63.8	64.1	62.5
37	59.4	60.3	61.0	61.9	62.2	62.5	62.0	61.4	61.6	62.0	63.0	63.5	63.8	63.8	63.8	64.1	62.5
36	59.5	60.4	61.1	62.0	62.2	62.5	62.1	61.5	61.7	62.1	63.1	63.6	63.9	63.8	63.9	64.1	62.6
35	59.6	60.4	61.2	62.0	62.3	62.6	62.1	61.6	61.8	62.2	63.1	63.7	63.9	63.9	63.9	64.2	62.6
34	59.7	60.5	61.3	62.1	62.4	62.7	62.2	61.6	61.9	62.2	63.2	63.8	64.0	64.0	64.0	64.3	62.7
33	59.8	60.6	61.4	62.2	62.4	62.8	62.3	61.7	62.0	62.3	63.3	63.9	64.1	64.1	64.1	64.4	62.7
32	59.8	60.7	61.5	62.3	62.5	62.9	62.4	61.8	62.0	62.4	63.4	64.0	64.2	64.2	64.2	64.4	62.8
31	59.9	60.8	61.5	62.4	62.6	62.9	62.5	61.9	62.1	62.5	63.5	64.0	64.3	64.3	64.3	64.5	62.9
30	60.0	60.8	61.6	62.5	62.7	63.0	62.6	62.0	62.2	62.6	63.6	64.1	64.4	64.4	64.3	64.6	63.0
29	60.1	61.0	61.7	62.6	62.8	63.1	62.7	62.1	62.3	62.7	63.7	64.2	64.5	64.5	64.5	64.7	63.1
28	60.2	61.1	61.8	62.7	62.9	63.2	62.8	62.2	62.4	62.8	63.8	64.3	64.6	64.6	64.6	64.8	63.2
27	60.3	61.2	61.9	62.8	63.0	63.3	62.9	62.3	62.5	62.9	63.9	64.5	64.7	64.7	64.7	64.9	63.3
26	60.4	61.3	62.0	62.9	63.2	63.5	63.0	62.4	62.6	63.0	64.0	64.6	64.8	64.8	64.8	65.0	63.4
25	60.5	61.4	62.2	63.0	63.3	63.6	63.1	62.5	62.8	63.2	64.1	64.7	64.9	64.9	64.9	65.1	63.4
24	60.6	61.5	62.3	63.1	63.4	63.7	63.2	62.6	62.9	63.3	64.3	64.8	65.1	65.0	65.0	65.2	63.6
23	60.7	61.6	62.4	63.2	63.5	63.8	63.4	62.8	63.0	63.4	64.4	64.9	65.2	65.1	65.1	65.4	63.7
22	60.8	61.7	62.5	63.3	63.6	63.9	63.5	62.9	63.1	63.5	64.5	65.1	65.3	65.3	65.2	65.5	63.8
21	60.9	61.8	62.6	63.5	63.7	64.0	63.6	63.0	63.2	63.6	64.6	65.2	65.4	65.4	65.4	65.6	63.9
20	61.0	61.9	62.7	63.6	63.8	64.2	63.7	63.1	63.3	63.7	64.8	65.3	65.6	65.5	65.5	65.7	64.0
19	61.1	62.0	62.9	63.7	64.0	64.3	63.8	63.2	63.4	63.9	64.9	65.5	65.7	65.6	65.6	65.8	64.1
18	61.2	62.1	63.0	63.8	64.1	64.4	64.0	63.3	63.6	64.0	65.0	65.6	65.8	65.8	65.7	65.9	64.2
17	61.3	62.2	63.1	63.9	64.2	64.5	64.1	63.4	63.7	64.1	65.2	65.7	66.0	65.9	65.9	66.1	64.3
16	61.4	62.3	63.2	64.1	64.3	64.7	64.2	63.6	63.9	64.3	65.3	65.9	66.1	66.0	66.0	66.2	64.4
15	61.5	62.5	63.3	64.2	64.4	64.8	64.4	63.7	64.0	64.4	65.5	66.0	66.3	66.2	66.1	66.3	64.5
14	61.6	62.6	63.4	64.3	64.6	64.9	64.5	63.8	64.1	64.5	65.6	66.1	66.4	66.3	66.3	66.4	64.6
13	61.7	62.7	63.6	64.5	64.7	65.1	64.6	63.9	64.2	64.7	65.7	66.3	66.6	66.5	66.4	66.6	64.7
12	61.8	62.8	63.7	64.6	64.9	65.2	64.7	64.0	64.3	64.8	65.9	66.5	66.7	66.6	66.6	66.7	64.9
11	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
10	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
9																	
8																	
7																	
6																	
5																	
4																	
3																	
2																	
1																	
Max	61.8	62.8	63.7	64.6	64.9	65.2	64.7	64.0	64.3	64.8	65.9	66.5	66.7	66.6	66.6	66.7	64.9
Min	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40

Floor	R913d	R914a	R914b	R915a	R915b	R916a	R916b	R916c	R916d	R916e	R917a	R917b	R1001a	R1001b	R1002a	R1002b	R1003a
40													53.4	59.9	60.3	61.3	61.5
39													53.4	60.0	60.4	61.3	61.6
38	60.2	59.3	58.4	58.2	58.2	57.8	57.2	57.2	57.6	50.5	48.6	48.6	53.4	60.0	60.4	61.4	61.6
37	60.2	59.3	58.4	58.2	58.2	57.8	57.3	57.3	57.6	50.5	48.7	48.6	53.5	60.1	60.4	61.4	61.6
36	60.2	59.3	58.4	58.2	58.1	57.8	57.3	57.3	57.6	50.5	48.7	48.7	53.5	60.1	60.5	61.4	61.7
35	60.2	59.3	58.4	58.2	58.2	57.8	57.3	57.3	57.7	50.5	48.7	48.7	53.4	60.1	60.5	61.5	61.7
34	60.3	59.3	58.4	58.2	58.2	57.8	57.4	57.4	57.7	50.5	48.7	48.7	53.4	60.2	60.5	61.5	61.7
33	60.3	59.4	58.4	58.2	58.2	57.9	57.4	57.4	57.8	50.5	48.7	48.7	53.4	60.2	60.6	61.5	61.7
32	60.4	59.4	58.5	58.3	58.3	57.9	57.5	57.5	57.8	50.5	48.7	48.7	53.3	60.2	60.6	61.5	61.7
31	60.4	59.5	58.5	58.3	58.3	58.0	57.6	57.5	57.9	50.5	48.8	48.7	53.3	60.2	60.6	61.5	61.7
30	60.5	59.6	58.6	58.4	58.4	58.0	57.6	57.6	57.9	50.4	48.8	48.8	53.3	60.2	60.6	61.5	61.7
29	60.6	59.6	58.6	58.5	58.4	58.1	57.7	57.7	58.0	50.4	48.8	48.8	53.2	60.2	60.6	61.5	61.7
28	60.7	59.7	58.7	58.5	58.5	58.1	57.7	57.7	58.0	50.5	48.8	48.8	53.2	60.2	60.5	61.4	61.6
27	60.8	59.8	58.8	58.6	58.6	58.2	57.8	57.8	58.1	50.4	48.8	48.8	53.0	60.1	60.5	61.3	61.6
26	60.9	59.9	58.8	58.6	58.6	58.3	57.9	57.9	58.1	50.4	48.8	48.8	52.9	60.0	60.4	61.2	61.4
25	60.9	60.0	58.9	58.7	58.7	58.4	57.9	57.9	58.2	50.4	48.8	48.8					
24	61.0	60.0	59.0	58.8	58.8	58.4	58.0	58.0	58.2	50.3	48.9	48.8					
23	61.1	60.1	59.1	58.9	58.9	58.5	58.1	58.1	58.3	50.3	48.9	48.8					
22	61.2	60.2	59.1	58.9	58.9	58.6	58.2	58.1	58.3	50.3	48.9	48.9					
21	61.3	60.3	59.2	59.0	59.0	58.7	58.2	58.2	58.4	50.2	48.9	48.9					
20	61.4	60.4	59.3	59.1	59.1	58.7	58.3	58.3	58.5	50.2	48.9	48.9					
19	61.5	60.5	59.4	59.2	59.2	58.8	58.4	58.4	58.5	50.2	48.9	48.9					
18	61.6	60.6	59.5	59.3	59.2	58.9	58.5	58.4	58.6	50.1	48.9	48.9					
17	61.7	60.7	59.6	59.3	59.3	59.0	58.6	58.5	58.6	50.1	48.9	48.9					
16	61.8	60.8	59.6	59.4	59.4	59.1	58.7	58.6	58.7	50.0	48.9	48.9					
15	61.9	60.9	59.7	59.5	59.5	59.2	58.8	58.7	58.8	50.0	49.0	48.9					
14	62.0	61.0	59.8	59.6	59.6	59.3	58.9	58.8	58.9	50.0	49.0	48.9					
13	62.1	61.1	59.9	59.7	59.7	59.4	58.9	58.9	59.0	49.9	49.0	48.9					
12	62.3	61.2	60.1	59.8	59.8	59.5	59.1	59.0	59.1	49.8	49.0	48.9					
11	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40					
10	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40					
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Max	62.3	61.2	60.1	59.8	59.8	59.5	59.1	59.0	59.1	50.5	49.0	48.9	53.5	60.2	60.6	61.5	61.7
Min	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	52.9	59.9	60.3	61.2	61.4

Floor	R1003b	R1003c	R1003d	R1004a	R1004b	R1004c	R1004d	R1004e	R1005a	R1005b	R1006a	R1006b	R1007a	R1007b	R1007c	R1007d	R1008a
40	64.3	65.9	66.0	66.0	65.9	65.8	65.6	64.8	64.5	64.0	63.6	63.5	63.1	63.0	61.9	54.4	50.8
39	64.3	65.9	66.0	66.0	65.9	65.8	65.7	64.8	64.5	63.9	63.6	63.4	63.1	63.0	62.0	54.4	50.8
38	64.3	65.9	66.0	66.0	65.9	65.9	65.6	64.7	64.5	63.9	63.6	63.4	63.1	63.0	61.9	54.4	50.8
37	64.3	65.9	66.0	66.0	65.9	65.9	65.6	64.7	64.5	64.0	63.6	63.5	63.1	63.0	61.9	54.4	50.8
36	64.3	66.0	66.0	66.0	65.9	65.9	65.7	64.8	64.5	64.0	63.6	63.5	63.1	63.0	61.9	54.4	50.8
35	64.3	66.0	66.0	66.0	66.0	65.9	65.7	64.8	64.5	64.0	63.6	63.5	63.1	63.0	61.9	54.3	50.8
34	64.3	66.0	66.0	66.0	66.0	65.9	65.7	64.8	64.5	64.0	63.5	63.4	63.1	62.9	61.8	54.3	50.8
33	64.3	65.9	66.0	66.0	66.0	65.9	65.7	64.7	64.5	63.9	63.5	63.4	63.1	62.9	61.8	54.2	50.8
32	64.3	65.9	66.0	66.0	65.9	65.9	65.6	64.7	64.4	63.9	63.5	63.4	63.0	62.9	61.7	54.2	50.7
31	64.3	65.9	66.0	66.0	65.9	65.8	65.6	64.7	64.4	63.8	63.5	63.3	63.0	62.8	61.6	54.1	50.7
30	64.2	65.8	65.9	65.9	65.8	65.8	65.6	64.6	64.3	63.8	63.4	63.3	62.9	62.8	61.6	54.1	50.6
29	64.2	65.7	65.8	65.8	65.8	65.7	65.5	64.6	64.3	63.7	63.3	63.2	62.8	62.7	61.5	54.1	50.6
28	64.1	65.7	65.8	65.8	65.8	65.7	65.5	64.5	64.2	63.6	63.2	63.1	62.7	62.6	61.3	53.9	50.6
27	64.0	65.6	65.7	65.6	65.7	65.6	65.4	64.4	64.1	63.5	63.1	63.0	62.6	62.5	61.2	53.9	50.5
26	63.8	65.4	65.5	65.5	65.5	65.4	65.2	64.3	63.9	63.4	62.9	62.9	62.5	62.4	61.1	53.8	50.6
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Max	64.3	66.0	66.0	66.0	66.0	65.9	65.7	64.8	64.5	64.0	63.6	63.5	63.1	63.0	62.0	54.4	50.8
Min	63.8	65.4	65.5	65.5	65.5	65.4	65.2	64.3	63.9	63.4	62.9	62.9	62.5	62.4	61.1	53.8	50.5

Floor	R1008b	R1009a	R1009b	R1010a	R1010b	R1010c	R1010d	R1010e	R1011a	R1011b	R1011c	R1011d	R1201a	R1201b	R1201c	R1201d	R1202a
40	52.4	51.6	52.0	52.3	52.5	53.1	59.5	60.5	60.6	63.5	63.5	62.0					
39	52.4	51.6	52.0	52.3	52.5	53.1	59.5	60.6	60.7	63.6	63.6	62.0	44.1	<40	63.3	63.4	64.0
38	52.4	51.6	51.9	52.2	52.5	53.1	59.6	60.6	60.7	63.6	63.6	62.0	<40	<40	63.3	63.4	64.1
37	52.4	51.6	51.9	52.3	52.5	53.1	59.6	60.6	60.7	63.6	63.6	62.0	<40	<40	63.4	63.5	64.1
36	52.4	51.6	52.0	52.3	52.5	53.1	59.6	60.7	60.8	63.6	63.6	62.1	<40	<40	63.4	63.6	64.2
35	52.4	51.6	52.0	52.3	52.5	53.1	59.7	60.7	60.8	63.6	63.6	62.1	<40	<40	63.5	63.6	64.2
34	52.4	51.6	52.0	52.3	52.5	53.1	59.7	60.7	60.8	63.6	63.6	62.1	<40	<40	63.6	63.7	64.3
33	52.4	51.6	52.0	52.3	52.5	53.1	59.7	60.7	60.8	63.5	63.6	62.1	<40	<40	63.6	63.7	64.3
32	52.4	51.6	52.0	52.3	52.6	53.1	59.7	60.7	60.8	63.5	63.5	62.1	<40	<40	63.7	63.8	64.4
31	52.4	51.6	52.0	52.3	52.5	53.1	59.7	60.7	60.8	63.5	63.5	62.1	<40	<40	63.7	63.8	64.4
30	52.3	51.6	52.0	52.3	52.5	53.1	59.7	60.7	60.8	63.5	63.4	62.0	<40	<40	63.7	63.9	64.5
29	52.3	51.6	52.0	52.3	52.6	53.2	59.6	60.7	60.8	63.4	63.4	62.0	<40	<40	63.8	63.9	64.5
28	52.3	51.6	52.0	52.3	52.6	53.2	59.6	60.6	60.7	63.3	63.3	61.9	<40	<40	63.8	63.9	64.5
27	52.2	51.5	51.9	52.3	52.6	53.2	59.5	60.6	60.7	63.2	63.2	61.8	<40	<40	63.8	63.9	64.5
26	52.2	51.6	52.0	52.4	52.6	53.2	59.4	60.5	60.6	63.0	63.0	61.7	<40	<40	63.8	64.0	64.5
25													<40	<40	63.8	64.0	64.5
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Max	52.4	51.6	52.0	52.4	52.6	53.2	59.7	60.7	60.8	63.6	63.6	62.1	44.1	<40	63.8	64.0	64.5
Min	52.2	51.5	51.9	52.2	52.5	53.1	59.4	60.5	60.6	63.0	63.0	61.7	<40	<40	63.3	63.4	64.0

Floor	R1202b	R1202c	R1202d	R1202e	R1203a	R1203b	R1204a	R1204b	R1205a	R1205b	R1205c	R1205d	R1206a	R1206b	R1207a	R1207b	R1208a
40																	
39	67.3	68.9	68.9	68.9	69.0	69.1	69.2	69.5	69.9	69.9	69.8	69.4	69.1	68.9	68.6	68.5	68.2
38	67.3	68.9	69.0	69.0	69.1	69.1	69.2	69.5	69.9	69.9	69.9	69.4	69.2	68.9	68.7	68.5	68.3
37	67.4	69.0	69.0	69.0	69.1	69.1	69.3	69.5	70.0	70.0	69.9	69.4	69.2	68.9	68.7	68.6	68.3
36	67.5	69.0	69.0	69.0	69.2	69.2	69.3	69.6	70.0	70.0	69.9	69.5	69.2	68.9	68.7	68.6	68.3
35	67.5	69.0	69.1	69.1	69.2	69.2	69.3	69.6	70.0	70.0	70.0	69.5	69.3	69.0	68.7	68.6	68.4
34	67.5	69.1	69.1	69.1	69.2	69.2	69.4	69.6	70.0	70.1	70.0	69.5	69.3	69.0	68.8	68.7	68.4
33	67.6	69.1	69.2	69.1	69.3	69.3	69.4	69.6	70.1	70.1	70.0	69.5	69.3	69.0	68.8	68.6	68.4
32	67.6	69.1	69.2	69.1	69.3	69.3	69.4	69.7	70.1	70.1	70.0	69.5	69.3	69.0	68.8	68.7	68.4
31	67.6	69.1	69.2	69.2	69.3	69.3	69.4	69.7	70.1	70.1	70.0	69.6	69.3	69.0	68.8	68.7	68.4
30	67.6	69.1	69.2	69.2	69.3	69.3	69.4	69.7	70.1	70.1	70.1	69.6	69.3	69.0	68.8	68.7	68.4
29	67.7	69.1	69.2	69.1	69.3	69.3	69.4	69.7	70.1	70.1	70.0	69.5	69.3	69.0	68.8	68.6	68.4
28	67.6	69.1	69.2	69.2	69.3	69.3	69.4	69.7	70.1	70.1	70.0	69.5	69.3	69.0	68.7	68.6	68.3
27	67.7	69.1	69.2	69.1	69.3	69.3	69.4	69.6	70.1	70.1	70.0	69.5	69.3	69.0	68.7	68.6	68.3
26	67.6	69.1	69.2	69.1	69.2	69.2	69.3	69.6	70.0	70.0	70.0	69.4	69.2	68.9	68.7	68.6	68.3
25	67.6	69.0	69.1	69.0	69.1	69.1	69.3	69.5	70.0	70.0	69.9	69.4	69.1	68.9	68.6	68.5	68.2
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Max	67.7	69.1	69.2	69.2	69.3	69.3	69.4	69.7	70.1	70.1	70.1	69.6	69.3	69.0	68.8	68.7	68.4
Min	67.3	68.9	68.9	68.9	69.0	69.1	69.2	69.5	69.9	69.9	69.8	69.4	69.1	68.9	68.6	68.5	68.2

Floor	R1208b	R1208c	R1208d	R1208e	R1209a	R1209b	R1209c	R1209d	R1210a	R1210b	R1211a	R1211b
40												
39	68.1	67.9	66.1	61.4	61.0	60.1	<40	<40	<40	<40	<40	<40
38	68.1	68.0	66.1	61.4	60.9	60.1	<40	<40	<40	<40	<40	<40
37	68.2	68.0	66.1	61.5	61.0	60.1	<40	<40	<40	<40	<40	<40
36	68.2	68.0	66.2	61.5	61.0	60.1	<40	<40	<40	<40	<40	<40
35	68.2	68.0	66.2	61.5	61.0	60.2	<40	<40	<40	<40	<40	<40
34	68.2	68.1	66.2	61.5	61.0	60.2	<40	<40	<40	<40	<40	<40
33	68.2	68.0	66.2	61.5	61.0	60.2	<40	<40	<40	<40	<40	<40
32	68.2	68.1	66.2	61.6	61.1	60.2	<40	<40	<40	<40	<40	<40
31	68.2	68.1	66.2	61.6	61.1	60.2	<40	<40	<40	<40	<40	<40
30	68.2	68.1	66.2	61.5	61.0	60.2	<40	<40	<40	<40	<40	<40
29	68.2	68.0	66.2	61.5	61.0	60.2	<40	<40	<40	<40	<40	<40
28	68.2	68.0	66.2	61.5	61.0	60.2	<40	<40	<40	<40	<40	<40
27	68.1	68.0	66.1	61.5	61.0	60.2	<40	<40	<40	<40	<40	<40
26	68.1	67.9	66.1	61.4	61.0	60.1	<40	<40	<40	<40	<40	<40
25	68.1	67.9	66.0	61.4	60.9	60.1	<40	<40	<40	<40	<40	<40
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Max	68.2	68.1	66.2	61.6	61.1	60.2	<40	<40	<40	<40	<40	<40
Min	68.1	67.9	66.0	61.4	60.9	60.1	<40	<40	<40	<40	<40	<40

Floor	R101max	R102max	R103max	R104max	R105max	R701max	R702max	R703max	R704max	R705max	R706max	R707max	R708max	R709max	R710max	R711max	R712max	R713max	R714max
40																			
39																			
38						<40	67.0	66.7	66.4	66.7	68.1	65.8	64.5	64.9	65.4	54.0	<40	<40	<40
37	61.9	62.4	64.8	60.7	59.6	<40	67.0	66.7	66.4	66.7	68.1	65.7	64.5	64.9	65.4	54.1	<40	<40	<40
36	62.0	62.5	64.8	60.8	59.6	<40	67.0	66.7	66.4	66.7	68.1	65.7	64.5	65.0	65.5	54.2	<40	<40	<40
35	62.0	62.5	64.9	60.8	59.7	<40	67.1	66.7	66.4	66.8	68.1	65.8	64.6	65.0	65.5	54.2	<40	<40	<40
34	62.0	62.6	64.9	60.9	59.7	<40	67.1	66.8	66.5	66.8	68.2	65.8	64.6	65.1	65.6	54.3	<40	<40	<40
33	62.1	62.6	65.0	61.0	59.8	<40	67.1	66.8	66.5	66.8	68.2	65.9	64.7	65.2	65.7	54.4	<40	<40	<40
32	62.1	62.7	65.1	61.1	59.9														
31	62.2	62.7	65.2	61.2	59.9														
30	62.2	62.8	65.2	61.2	60.0														
29																			
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Max	62.2	62.8	65.2	61.2	60.0	<40	67.1	66.8	66.5	66.8	68.2	65.9	64.7	65.2	65.7	54.4	<40	<40	<40
Min	61.9	62.4	64.8	60.7	59.6	<40	67.0	66.7	66.4	66.7	68.1	65.7	64.5	64.9	65.4	54.0	<40	<40	<40

Total Flats	7052
Exceedance	56
Compliance Rate	99.2%

Floor	R715max	R716max	R717max	R901max	R902max	R903max	R904max	R905max	R906max	R907max	R908max	R909max	R910max	R911max	R912max	R913max	R914max	R915max	R916max
40																			
39																			
38	<40	45.5	58.3	48.7	48.7	48.7	50.6	58.0	58.5	59.0	60.2	62.4	61.6	62.9	63.8	64.1	59.3	58.2	57.8
37	<40	45.4	58.4	48.7	48.7	48.7	50.6	58.1	58.5	59.1	60.3	62.5	61.6	63.0	63.8	64.1	59.3	58.2	57.8
36	<40	45.4	58.5	48.7	48.7	48.8	50.6	58.1	58.6	59.2	60.4	62.5	61.7	63.1	63.9	64.1	59.3	58.2	57.8
35	<40	45.4	58.5	48.7	48.7	48.8	50.6	58.2	58.7	59.2	60.4	62.6	61.8	63.1	63.9	64.2	59.3	58.2	57.8
34	<40	45.4	58.5	48.8	48.7	48.8	50.6	58.3	58.7	59.3	60.5	62.7	61.9	63.2	64.0	64.3	59.3	58.2	57.8
33	<40	45.5	58.6	48.8	48.8	48.8	50.6	58.3	58.8	59.4	60.6	62.8	62.0	63.3	64.1	64.4	59.4	58.2	57.9
32				48.8	48.8	48.8	50.5	58.4	58.9	59.5	60.7	62.9	62.0	63.4	64.2	64.4	59.4	58.3	57.9
31				48.8	48.8	48.8	50.5	58.5	59.0	59.5	60.8	62.9	62.1	63.5	64.3	64.5	59.5	58.3	58.0
30				48.8	48.8	48.8	50.5	58.6	59.1	59.6	60.8	63.0	62.2	63.6	64.4	64.6	59.6	58.4	58.0
29				48.8	48.8	48.9	50.5	58.6	59.2	59.7	61.0	63.1	62.3	63.7	64.5	64.7	59.6	58.5	58.1
28				48.9	48.8	48.9	50.5	58.7	59.2	59.8	61.1	63.2	62.4	63.8	64.6	64.8	59.7	58.5	58.1
27				48.9	48.8	48.9	50.4	58.8	59.3	59.9	61.2	63.3	62.5	63.9	64.7	64.9	59.8	58.6	58.2
26				48.9	48.9	48.9	50.4	58.9	59.4	60.0	61.3	63.5	62.6	64.0	64.8	65.0	59.9	58.6	58.3
25				48.9	48.9	48.9	50.4	58.9	59.5	60.1	61.4	63.6	62.8	64.1	64.9	65.1	60.0	58.7	58.4
24				48.9	48.9	48.9	50.4	59.0	59.6	60.2	61.5	63.7	62.9	64.3	65.1	65.2	60.0	58.8	58.4
23				48.9	48.9	48.9	50.3	59.1	59.7	60.3	61.6	63.8	63.0	64.4	65.2	65.4	60.1	58.9	58.5
22				48.9	48.9	49.0	50.3	59.1	59.8	60.4	61.7	63.9	63.1	64.5	65.3	65.5	60.2	58.9	58.6
21				48.9	48.9	49.0	50.3	59.2	59.9	60.5	61.8	64.0	63.2	64.6	65.4	65.6	60.3	59.0	58.7
20				49.0	48.9	49.0	50.2	59.3	60.0	60.6	61.9	64.2	63.3	64.8	65.6	65.7	60.4	59.1	58.7
19				49.0	48.9	49.0	50.2	59.4	60.1	60.7	62.0	64.3	63.4	64.9	65.7	65.8	60.5	59.2	58.8
18				49.0	48.9	49.0	50.1	59.4	60.2	60.8	62.1	64.4	63.6	65.0	65.8	65.9	60.6	59.3	58.9
17				49.0	49.0	49.0	50.0	59.5	60.3	60.9	62.2	64.5	63.7	65.2	66.0	66.1	60.7	59.3	59.0
16				49.0	49.0	49.0	50.0	59.5	60.4	61.0	62.3	64.7	63.9	65.3	66.1	66.2	60.8	59.4	59.1
15				49.0	49.0	49.0	49.9	59.6	60.5	61.1	62.5	64.8	64.0	65.5	66.3	66.3	60.9	59.5	59.2
14				49.0	49.0	49.0	49.9	59.6	60.6	61.2	62.6	64.9	64.1	65.6	66.4	66.4	61.0	59.6	59.3
13				49.0	49.0	49.0	49.8	59.7	60.7	61.3	62.7	65.1	64.2	65.7	66.6	66.6	61.1	59.7	59.4
12				49.0	49.0	49.0	49.8	59.7	60.7	61.4	62.8	65.2	64.3	65.9	66.7	66.7	61.2	59.8	59.5
11				<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
10				<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
9																			
8																			
7																			
6																			
5																			
4																			
3																			
2																			
1																			
Max	<40	45.5	58.6	49.0	49.0	49.0	50.6	59.7	60.7	61.4	62.8	65.2	64.3	65.9	66.7	66.7	61.2	59.8	59.5
Min	<40	45.4	58.3	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40

Floor	R917max	R1001max	R1002max	R1003max	R1004max	R1005max	R1006max	R1007max	R1008max	R1009max	R1010max	R1011max	R1201max	R1202max	R1203max	R1204max	R1205max	R1206max	R1207max
40		59.9	61.3	66.0	66.0	64.5	63.6	63.1	52.4	52.0	60.5	63.5							
39		60.0	61.3	66.0	66.0	64.5	63.6	63.1	52.4	52.0	60.6	63.6	63.4	68.9	69.1	69.5	69.9	69.1	68.6
38	48.6	60.0	61.4	66.0	66.0	64.5	63.6	63.1	52.4	51.9	60.6	63.6	63.4	69.0	69.1	69.5	69.9	69.2	68.7
37	48.7	60.1	61.4	66.0	66.0	64.5	63.6	63.1	52.4	51.9	60.6	63.6	63.5	69.0	69.1	69.5	70.0	69.2	68.7
36	48.7	60.1	61.4	66.0	66.0	64.5	63.6	63.1	52.4	52.0	60.7	63.6	63.6	69.0	69.2	69.6	70.0	69.2	68.7
35	48.7	60.1	61.5	66.0	66.0	64.5	63.6	63.1	52.4	52.0	60.7	63.6	63.6	69.1	69.2	69.6	70.0	69.3	68.7
34	48.7	60.2	61.5	66.0	66.0	64.5	63.5	63.1	52.4	52.0	60.7	63.6	63.7	69.1	69.2	69.6	70.1	69.3	68.8
33	48.7	60.2	61.5	66.0	66.0	64.5	63.5	63.1	52.4	52.0	60.7	63.6	63.7	69.2	69.3	69.6	70.1	69.3	68.8
32	48.7	60.2	61.5	66.0	66.0	64.4	63.5	63.0	52.4	52.0	60.7	63.5	63.8	69.2	69.3	69.7	70.1	69.3	68.8
31	48.8	60.2	61.5	66.0	66.0	64.4	63.5	63.0	52.4	52.0	60.7	63.5	63.8	69.2	69.3	69.7	70.1	69.3	68.8
30	48.8	60.2	61.5	65.9	65.9	64.3	63.4	62.9	52.3	52.0	60.7	63.5	63.9	69.2	69.3	69.7	70.1	69.3	68.8
29	48.8	60.2	61.5	65.8	65.8	64.3	63.3	62.8	52.3	52.0	60.7	63.4	63.9	69.2	69.3	69.7	70.1	69.3	68.8
28	48.8	60.2	61.4	65.8	65.8	64.2	63.2	62.7	52.3	52.0	60.6	63.3	63.9	69.2	69.3	69.7	70.1	69.3	68.7
27	48.8	60.1	61.3	65.7	65.7	64.1	63.1	62.6	52.2	51.9	60.6	63.2	63.9	69.2	69.3	69.6	70.1	69.3	68.7
26	48.8	60.0	61.2	65.5	65.5	63.9	62.9	62.5	52.2	52.0	60.5	63.0	64.0	69.2	69.2	69.6	70.0	69.2	68.7
25	48.8												64.0	69.1	69.1	69.5	70.0	69.1	68.6
24	48.9																		
23	48.9																		
22	48.9																		
21	48.9																		
20	48.9																		
19	48.9																		
18	48.9																		
17	48.9																		
16	48.9																		
15	49.0																		
14	49.0																		
13	49.0																		
12	49.0																		
11	<40																		
10	<40																		
9																			
8																			
7																			
6																			
5																			
4																			
3																			
2																			
1																			
Max	49.0	60.2	61.5	66.0	66.0	64.5	63.6	63.1	52.4	52.0	60.7	63.6	64.0	69.2	69.3	69.7	70.1	69.3	68.8
Min	<40	59.9	61.2	65.5	65.5	63.9	62.9	62.5	52.2	51.9	60.5	63.0	63.4	68.9	69.1	69.5	69.9	69.1	68.6

Floor	R1208max	R1209max	R1210max	R1211max
40				
39	68.2	61.0	<40	<40
38	68.3	60.9	<40	<40
37	68.3	61.0	<40	<40
36	68.3	61.0	<40	<40
35	68.4	61.0	<40	<40
34	68.4	61.0	<40	<40
33	68.4	61.0	<40	<40
32	68.4	61.1	<40	<40
31	68.4	61.1	<40	<40
30	68.4	61.0	<40	<40
29	68.4	61.0	<40	<40
28	68.3	61.0	<40	<40
27	68.3	61.0	<40	<40
26	68.3	61.0	<40	<40
25	68.2	60.9	<40	<40
24				
23				
22				
21				
20				
19				
18				
17				
16				
15				
14				
13				
12				
11				
10				
9				
8				
7				
6				
5				
4				
3				
2				
1				
Max	68.4	61.1	<40	<40
Min	68.2	60.9	<40	<40

Appendix 4.4

Predicted Road Traffic Noise Levels (Mitigated Case - Scenario B)

Floor	R101a	R101b	R101c	R102a	R102b	R103a	R103b	R104a	R104b	R104c	R104d	R104e	R105a	R105b	R106a	R106b	R107a
40																	
39																	
38																	
37																	
36																	
35																	
34																	
33																	
32																	
31																	
30																	
29	59.7	59.5	60.1	60.4	62.2	62.9	62.8	65.4	65.0	65.0	63.3	61.8	61.2	61.0	60.7	60.4	60.1
28	59.7	59.5	60.1	60.4	62.3	62.9	62.9	65.5	65.1	65.1	63.4	61.9	61.3	61.1	60.8	60.4	60.2
27	59.7	59.5	60.1	60.4	62.3	63.0	63.0	65.5	65.2	65.2	63.5	62.0	61.4	61.1	60.9	60.5	60.3
26	59.6	59.4	60.1	60.4	62.3	63.1	63.1	65.6	65.3	65.3	63.6	62.1	61.5	61.2	61.0	60.6	60.3
25	59.5	59.4	60.0	60.4	62.4	63.1	63.1	65.7	65.4	65.4	63.7	62.2	61.6	61.3	61.1	60.7	60.4
24	59.5	59.4	60.0	60.3	62.4	63.2	63.2	65.8	65.5	65.5	63.8	62.3	61.6	61.4	61.2	60.8	60.5
23	59.4	59.3	60.0	60.3	62.4	63.2	63.3	65.9	65.6	65.6	63.9	62.4	61.8	61.5	61.2	60.8	60.6
22	59.3	59.2	59.9	60.3	62.4	63.3	63.3	66.0	65.7	65.7	64.0	62.5	61.9	61.6	61.3	60.9	60.6
21	59.2	59.1	59.9	60.2	62.5	63.4	63.4	66.1	65.8	65.8	64.1	62.6	61.9	61.7	61.4	61.0	60.7
20	59.1	59.0	59.8	60.2	62.5	63.4	63.5	66.2	65.9	65.9	64.2	62.7	62.1	61.8	61.5	61.1	60.8
19	59.0	58.8	59.7	60.1	62.5	63.5	63.6	66.3	66.0	66.1	64.3	62.8	62.2	61.9	61.6	61.2	60.9
18	58.8	58.7	59.6	60.1	62.5	63.6	63.6	66.4	66.2	66.2	64.5	62.9	62.3	62.0	61.7	61.2	61.0
17	58.6	58.5	59.5	60.0	62.5	63.6	63.7	66.5	66.3	66.3	64.6	63.0	62.4	62.0	61.8	61.3	61.0
16	58.3	58.3	59.4	59.9	62.5	63.7	63.8	66.6	66.4	66.4	64.7	63.2	62.5	62.2	61.8	61.4	61.1
15	58.1	58.0	59.2	59.8	62.5	63.8	63.9	66.8	66.5	66.5	64.8	63.3	62.6	62.2	61.9	61.5	61.2
14	57.8	57.8	59.0	59.7	62.5	63.8	64.0	66.9	66.6	66.7	65.0	63.4	62.7	62.3	62.0	61.6	61.2
13	57.5	57.5	58.8	59.5	62.5	63.8	64.0	67.0	66.8	66.8	65.1	63.5	62.9	62.4	62.1	61.7	61.3
12	57.1	57.1	58.6	59.4	62.4	63.9	64.1	67.1	66.9	66.9	65.3	63.6	63.0	62.6	62.2	61.8	61.4
11	56.8	56.8	58.3	59.1	62.4	64.0	64.2	67.3	67.1	67.0	65.4	63.8	63.1	62.7	62.3	61.9	61.5
10	56.4	56.4	58.0	58.9	62.4	64.1	64.3	67.4	67.2	67.2	65.5	63.9	63.2	62.8	62.5	62.0	61.6
9	56.0	56.0	57.6	58.6	62.3	64.1	64.4	67.5	67.3	67.3	65.7	64.0	63.3	62.9	62.5	62.1	61.7
8	55.6	55.6	57.2	58.3	62.2	64.2	64.5	67.7	67.5	67.5	65.8	64.1	63.4	63.0	62.6	62.1	61.8
7	55.2	55.2	56.8	58.0	62.1	64.3	64.6	67.8	67.7	67.6	66.0	64.3	63.6	63.1	62.8	62.3	61.9
6	54.8	54.8	56.5	57.8	62.0	64.3	64.7	68.0	67.8	67.8	66.1	64.4	63.7	63.2	62.9	62.4	61.9
5	54.4	54.4	56.2	57.6	61.8	64.3	64.7	68.1	68.0	67.9	66.3	64.5	63.8	63.3	62.9	62.4	62.0
4	54.1	54.1	55.7	57.3	61.6	64.2	64.7	68.2	68.1	68.1	66.4	64.6	63.9	63.3	63.0	62.3	61.9
3	53.7	53.7	55.2	56.9	61.3	63.9	64.6	68.4	68.3	68.2	66.5	64.7	63.9	63.2	62.8	62.1	61.6
2	53.3	53.3	54.7	56.5	61.2	63.3	63.9	68.5	68.4	68.4	66.6	64.5	63.6	62.9	62.4	61.8	61.4
1	53.1	53.0	54.1	56.0	61.1	63.0	63.4	68.4	68.1	68.0	65.5	63.7	63.0	62.4	62.0	61.3	60.8
Max	59.7	59.5	60.1	60.4	62.5	64.3	64.7	68.5	68.4	68.4	66.6	64.7	63.9	63.3	63.0	62.4	62.0
Min	53.1	53.0	54.1	56.0	61.1	62.9	62.8	65.4	65.0	65.0	63.3	61.8	61.2	61.0	60.7	60.4	60.1

Total Flats	7052
Exceedance	0
Compliance Rate	100.0%

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R107b	R108a	R108b	R109a	R109b	R109c	R109d	R201a	R202a	R202b	R202c	R203a	R203b	R203c	R204a	R204b	R204c
40																	
39																	
38																	
37								60.6	60.2	60.3	60.7	60.1	59.6	59.1	58.6	58.2	57.2
36								60.6	60.2	60.3	60.7	60.1	59.5	59.0	58.6	58.1	57.2
35								60.6	60.2	60.2	60.6	60.1	59.5	59.0	58.6	58.1	57.2
34								60.5	60.2	60.2	60.6	60.1	59.5	59.0	58.5	58.1	57.2
33								60.5	60.2	60.2	60.6	60.1	59.5	59.0	58.5	58.1	57.2
32								60.5	60.2	60.2	60.6	60.1	59.5	59.0	58.5	58.1	57.1
31								60.5	60.1	60.2	60.6	60.0	59.4	58.9	58.5	58.0	57.1
30								60.4	60.1	60.2	60.5	60.0	59.4	58.9	58.5	58.0	57.1
29	60.2	60.1	59.8	59.9	59.8	59.6	59.1	60.4	60.1	60.1	60.5	59.9	59.3	58.8	58.4	58.0	57.0
28	60.2	60.2	59.9	59.9	59.8	59.7	59.1	60.3	60.0	60.1	60.5	59.9	59.3	58.8	58.4	57.9	57.0
27	60.3	60.2	59.9	60.0	59.8	59.8	59.1	60.3	60.0	60.0	60.4	59.8	59.2	58.7	58.3	57.9	56.9
26	60.4	60.3	60.0	60.0	59.9	59.8	59.0	60.2	59.9	59.9	60.3	59.8	59.2	58.6	58.2	57.8	56.9
25	60.4	60.3	60.1	60.1	59.9	59.8	59.0	60.1	59.8	59.9	60.2	59.7	59.0	58.6	58.1	57.7	56.8
24	60.5	60.4	60.1	60.1	60.0	59.9	58.9	60.0	59.7	59.8	60.2	59.6	59.0	58.5	58.0	57.6	56.7
23	60.5	60.4	60.2	60.1	60.0	59.9	58.8	59.9	59.6	59.7	60.0	59.4	58.8	58.3	57.9	57.5	56.6
22	60.6	60.5	60.2	60.2	60.0	59.9	58.7	59.8	59.5	59.5	59.9	59.3	58.7	58.2	57.8	57.3	56.5
21	60.7	60.5	60.3	60.2	60.1	59.9	58.7	59.6	59.3	59.4	59.8	59.2	58.5	58.0	57.6	57.2	56.3
20	60.7	60.5	60.3	60.3	60.1	60.0	58.5	59.5	59.2	59.2	59.6	59.0	58.4	57.8	57.4	57.0	56.2
19	60.8	60.6	60.3	60.3	60.1	60.0	58.4	59.3	59.0	59.0	59.4	58.8	58.1	57.6	57.2	56.8	56.0
18	60.8	60.6	60.4	60.3	60.1	60.0	58.2	59.1	58.8	58.8	59.2	58.5	57.9	57.3	57.0	56.5	55.7
17	60.9	60.7	60.4	60.3	60.1	60.0	58.0	58.9	58.6	58.6	59.0	58.3	57.6	57.1	56.7	56.2	55.4
16	60.9	60.7	60.4	60.3	60.1	60.0	57.7	58.6	58.3	58.4	58.8	58.0	57.4	56.8	56.4	55.9	55.2
15	60.9	60.8	60.4	60.3	60.1	60.0	57.5	58.4	58.1	58.1	58.5	57.7	57.1	56.5	56.1	55.6	54.9
14	61.0	60.8	60.5	60.3	60.1	60.0	57.2	58.2	57.8	57.9	58.2	57.4	56.8	56.2	55.8	55.3	54.6
13	61.1	60.9	60.6	60.4	60.2	60.0	56.9	57.9	57.6	57.6	58.0	57.1	56.5	55.9	55.5	55.0	54.3
12	61.2	60.9	60.6	60.4	60.2	60.0	56.6	57.7	57.3	57.4	57.7	56.8	56.2	55.6	55.2	54.7	53.9
11	61.2	61.0	60.6	60.5	60.2	60.0	56.2	57.5	57.1	57.2	57.5	56.4	55.8	55.3	54.8	54.3	53.6
10	61.3	61.1	60.7	60.5	60.2	60.0	55.8	57.2	56.8	56.9	57.2	56.1	55.5	54.9	54.4	53.9	53.1
9	61.4	61.1	60.8	60.6	60.3	60.1	55.4	56.9	56.6	56.6	56.9	55.7	55.1	54.6	54.1	53.5	52.8
8	61.4	61.2	60.8	60.6	60.3	60.1	55.0	56.6	56.3	56.3	56.6	55.3	54.8	54.2	53.7	53.1	52.4
7	61.5	61.2	60.9	60.6	60.3	60.0	54.6	56.4	56.1	56.1	56.3	55.0	54.5	53.9	53.4	52.8	52.1
6	61.6	61.3	60.9	60.6	60.2	59.9	54.2	56.2	55.9	55.9	56.1	54.7	54.2	53.7	53.1	52.5	51.8
5	61.5	61.2	60.8	60.4	60.1	59.8	53.8	56.0	55.7	55.7	55.9	54.4	53.9	53.4	52.8	52.2	51.5
4	61.4	61.1	60.6	60.3	59.9	59.7	53.5	55.9	55.5	55.5	55.7	54.1	53.6	53.0	52.5	51.9	51.1
3	61.2	60.9	60.5	60.1	59.8	59.5	53.1	55.7	55.3	55.3	55.5	53.8	53.3	52.7	52.1	51.5	50.8
2	61.0	60.7	60.3	59.9	59.5	59.1	52.7	55.5	55.1	55.2	55.3	53.5	52.9	52.4	51.8	51.2	50.5
1	60.5	60.0	59.3	58.8	58.4	57.9	52.4	55.4	55.0	55.0	55.1	53.2	52.7	52.2	51.5	50.9	50.1
Max	61.6	61.3	60.9	60.6	60.3	60.1	59.1	60.6	60.2	60.3	60.7	60.1	59.6	59.1	58.6	58.2	57.2
Min	60.2	60.0	59.3	58.8	58.4	57.9	52.4	55.4	55.0	55.0	55.1	53.2	52.7	52.2	51.5	50.9	50.1

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R205a	R205b	R206a	R206b	R206c	R207a	R207b	R207c	R208a	R208b	R208c	R208d	R209a	R209b	R209c	R210a	R210b
40																	
39																	
38																	
37	56.2	54.8	53.5	57.9	59.6	59.6	58.9	59.0	59.2	59.3	59.4	59.5	59.5	59.4	59.6	59.6	59.3
36	56.1	54.7	53.3	57.8	59.6	59.6	58.9	59.1	59.2	59.4	59.5	59.6	59.6	59.5	59.7	59.6	59.4
35	56.1	54.6	53.3	57.8	59.6	59.7	59.0	59.1	59.2	59.4	59.5	59.6	59.6	59.5	59.7	59.7	59.5
34	56.0	54.6	53.2	57.8	59.7	59.7	59.0	59.1	59.3	59.5	59.5	59.7	59.7	59.5	59.8	59.7	59.5
33	56.0	54.6	53.1	57.8	59.7	59.7	59.0	59.2	59.3	59.5	59.6	59.7	59.7	59.6	59.8	59.7	59.6
32	56.0	54.5	53.0	57.7	59.7	59.8	59.1	59.3	59.4	59.6	59.6	59.7	59.7	59.6	59.8	59.8	59.6
31	55.9	54.5	53.0	57.7	59.7	59.8	59.1	59.3	59.4	59.6	59.7	59.8	59.8	59.7	59.9	59.9	59.7
30	55.9	54.5	53.0	57.7	59.7	59.8	59.1	59.3	59.4	59.6	59.7	59.8	59.8	59.7	59.9	59.9	59.8
29	55.9	54.4	53.0	57.7	59.7	59.8	59.2	59.3	59.5	59.7	59.7	59.8	59.8	59.8	60.0	60.0	59.8
28	55.9	54.4	52.9	57.7	59.7	59.8	59.2	59.4	59.5	59.7	59.8	59.9	59.9	59.8	60.0	60.0	59.9
27	55.8	54.3	52.9	57.6	59.7	59.8	59.2	59.4	59.6	59.8	59.8	59.9	59.9	59.9	60.1	60.1	60.0
26	55.7	54.3	52.8	57.6	59.7	59.8	59.3	59.4	59.6	59.8	59.8	59.9	60.0	59.9	60.1	60.1	60.0
25	55.7	54.2	52.8	57.6	59.7	59.9	59.3	59.5	59.6	59.8	59.8	59.9	60.0	59.9	60.2	60.2	60.1
24	55.6	54.1	52.7	57.5	59.7	59.9	59.3	59.5	59.7	59.8	59.9	60.0	60.0	60.0	60.2	60.2	60.2
23	55.5	54.1	52.7	57.5	59.7	59.9	59.3	59.5	59.7	59.8	59.9	60.0	60.1	60.0	60.2	60.3	60.2
22	55.4	54.0	52.6	57.4	59.7	59.9	59.3	59.6	59.8	59.9	59.9	60.0	60.1	60.1	60.3	60.3	60.3
21	55.3	53.9	52.5	57.3	59.7	59.9	59.4	59.6	59.8	59.9	60.0	60.1	60.2	60.1	60.4	60.4	60.4
20	55.2	53.8	52.4	57.2	59.6	59.9	59.4	59.6	59.8	60.0	60.0	60.1	60.2	60.2	60.4	60.5	60.5
19	55.0	53.7	52.3	57.1	59.6	59.8	59.4	59.7	59.8	60.0	60.0	60.1	60.3	60.3	60.5	60.5	60.5
18	54.8	53.5	52.1	57.0	59.5	59.8	59.4	59.7	59.9	60.0	60.0	60.2	60.3	60.3	60.5	60.6	60.6
17	54.6	53.4	52.0	56.9	59.5	59.8	59.4	59.7	59.9	60.1	60.1	60.2	60.4	60.4	60.6	60.7	60.7
16	54.4	53.2	51.9	56.7	59.4	59.8	59.4	59.7	59.9	60.1	60.1	60.3	60.4	60.4	60.7	60.7	60.8
15	54.1	53.0	51.7	56.5	59.3	59.7	59.4	59.7	59.9	60.1	60.1	60.3	60.4	60.5	60.7	60.8	60.9
14	53.8	52.7	51.5	56.3	59.2	59.7	59.4	59.7	59.9	60.1	60.2	60.3	60.5	60.6	60.8	60.9	61.0
13	53.5	52.5	51.2	56.1	59.1	59.6	59.3	59.7	59.9	60.1	60.2	60.3	60.5	60.6	60.8	60.9	61.1
12	53.3	52.2	51.0	55.9	58.9	59.5	59.3	59.7	59.9	60.1	60.2	60.3	60.6	60.7	60.9	61.0	61.2
11	53.0	52.0	50.7	55.7	58.7	59.4	59.2	59.6	59.8	60.1	60.1	60.3	60.6	60.7	60.9	61.0	61.2
10	52.6	51.6	50.4	55.4	58.5	59.3	59.1	59.5	59.8	60.0	60.0	60.2	60.5	60.6	60.9	61.1	61.3
9	52.2	51.3	50.0	55.1	58.3	59.1	59.0	59.4	59.6	59.9	59.9	60.1	60.4	60.6	60.8	61.1	61.3
8	51.8	50.9	49.6	54.9	58.1	58.9	58.8	59.2	59.5	59.7	59.7	59.9	60.2	60.4	60.7	60.9	61.3
7	51.5	50.7	49.5	54.7	58.0	58.7	58.7	59.1	59.4	59.6	59.6	59.7	60.1	60.2	60.5	60.8	61.1
6	51.3	50.4	49.2	54.5	57.9	58.6	58.5	59.0	59.2	59.4	59.4	59.6	59.8	60.0	60.3	60.5	60.9
5	51.0	50.1	48.8	54.3	57.8	58.5	58.5	58.9	59.1	59.3	59.2	59.3	59.6	59.7	60.0	60.2	60.5
4	50.6	49.7	48.4	54.1	57.6	58.3	58.4	58.8	58.9	59.1	59.0	59.0	59.4	59.5	59.7	59.8	60.1
3	50.2	49.3	48.0	53.9	57.5	58.2	58.3	58.7	58.7	58.8	58.7	58.8	59.0	59.1	59.3	59.5	59.7
2	49.9	49.1	47.7	53.8	57.4	58.0	58.1	58.4	58.3	58.3	58.1	58.2	58.5	58.7	58.9	59.0	59.1
1	49.6	48.8	47.3	53.6	57.2	57.9	57.8	58.1	57.9	58.0	57.7	57.8	58.0	58.1	58.3	58.3	58.3
Max	56.2	54.8	53.5	57.9	59.7	59.9	59.4	59.7	59.9	60.1	60.2	60.3	60.6	60.7	60.9	61.1	61.3
Min	49.6	48.8	47.3	53.6	57.2	57.9	57.8	58.1	57.9	58.0	57.7	57.8	58.0	58.1	58.3	58.3	58.3

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R210c	R211a	R211b	R212a	R212b	R213a	R213b	R214a	R215a	R216a	R216b	R217a	R217b	R218a	R218b	R218c	R301a
40																	
39																	60.4
38																	60.4
37	59.5	55.9	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	51.9	54.1	54.8	55.5	60.4
36	59.5	56.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	51.9	54.2	54.9	55.5	60.4
35	59.6	56.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	52.0	54.3	54.9	55.5	60.3
34	59.7	56.1	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	52.1	54.4	55.0	55.6	60.3
33	59.7	56.2	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	52.1	54.4	55.1	55.6	60.2
32	59.8	56.3	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	52.2	54.5	55.1	55.7	60.1
31	59.9	56.4	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.3	54.6	55.2	55.8	60.0
30	59.9	56.4	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.3	54.7	55.3	55.9	59.9
29	60.0	56.5	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.4	54.7	55.4	55.9	59.7
28	60.1	56.6	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.5	54.8	55.4	56.0	59.6
27	60.1	56.7	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.6	54.9	55.5	56.1	59.4
26	60.2	56.8	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.3	52.7	55.0	55.6	56.2	59.2
25	60.3	56.9	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	52.7	55.1	55.7	56.3	58.9
24	60.4	57.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	52.8	55.2	55.8	56.3	58.6
23	60.4	57.1	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	52.9	55.2	55.9	56.4	58.3
22	60.5	57.2	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	53.0	55.3	56.0	56.5	58.0
21	60.6	57.2	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	53.1	55.4	56.1	56.6	57.7
20	60.7	57.3	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.4	53.2	55.5	56.2	56.7	57.3
19	60.8	57.5	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.3	55.6	56.2	56.8	57.0
18	60.9	57.6	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.4	55.7	56.3	56.9	56.6
17	61.0	57.7	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.5	55.8	56.5	56.9	56.3
16	61.1	57.8	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.6	55.9	56.5	57.1	55.9
15	61.2	57.9	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.7	56.0	56.6	57.1	55.5
14	61.3	58.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.8	56.1	56.7	57.2	55.1
13	61.4	58.1	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	53.9	56.2	56.8	57.3	54.8
12	61.5	58.2	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.5	54.0	56.3	56.9	57.4	54.5
11	61.6	58.3	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.1	56.5	57.0	57.4	54.2
10	61.7	58.5	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.2	56.6	57.1	57.4	54.0
9	61.8	58.6	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.3	56.7	57.2	57.5	53.7
8	61.8	58.7	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.5	56.7	57.2	57.4	53.5
7	61.7	58.8	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.6	56.8	57.3	57.3	53.2
6	61.5	58.9	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.7	56.9	57.2	57.1	52.9
5	61.2	59.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.8	56.9	57.0	56.8	52.6
4	60.7	59.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.9	56.7	56.8	56.4	52.2
3	60.2	58.9	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.9	56.4	56.3	55.9	51.9
2	59.6	58.7	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.6	55.8	55.8	55.2	51.6
1	58.8	58.1	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.1	55.1	55.0	54.5	51.4
Max	61.8	59.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.6	54.9	56.9	57.3	57.5	60.4
Min	58.8	55.9	<40	<40	<40	<40	<40	<40	<40	<40	<40	44.2	51.9	54.1	54.8	54.5	51.4

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R301b	R301c	R301d	R301e	R301f	R302a	R302b	R303a	R303b	R304a	R304b	R305a	R305b	R306a	R306b	R306c	R306d
40																	
39	63.1	63.2	63.1	63.0	61.1	62.7	62.5	62.5	62.5	62.4	62.4	62.2	62.1	57.5	61.8	48.2	52.8
38	63.1	63.1	63.1	63.0	61.1	62.7	62.5	62.5	62.5	62.4	62.3	62.2	62.1	57.4	61.7	48.2	52.8
37	63.1	63.1	63.0	62.9	61.0	62.6	62.4	62.5	62.4	62.4	62.3	62.2	62.0	57.3	61.7	48.2	52.9
36	63.0	63.0	63.0	62.9	61.0	62.6	62.4	62.4	62.4	62.3	62.2	62.1	62.0	57.3	61.7	48.2	52.9
35	62.9	63.0	62.9	62.8	60.9	62.5	62.3	62.4	62.3	62.3	62.2	62.1	61.9	57.2	61.6	48.1	53.0
34	62.9	62.9	62.9	62.8	60.8	62.4	62.3	62.3	62.3	62.2	62.1	62.0	61.9	57.1	61.5	48.1	53.0
33	62.8	62.9	62.8	62.7	60.7	62.4	62.2	62.2	62.2	62.1	62.0	61.9	61.8	57.0	61.5	48.1	53.0
32	62.7	62.8	62.7	62.6	60.6	62.3	62.1	62.1	62.1	62.0	61.9	61.8	61.7	56.9	61.4	48.0	53.1
31	62.6	62.7	62.6	62.5	60.5	62.2	62.0	62.0	62.0	61.9	61.8	61.7	61.6	56.8	61.3	48.0	53.1
30	62.5	62.5	62.5	62.4	60.4	62.0	61.9	61.9	61.9	61.8	61.7	61.6	61.5	56.7	61.2	47.9	53.2
29	62.3	62.4	62.3	62.2	60.3	61.9	61.7	61.8	61.7	61.6	61.6	61.4	61.3	56.5	61.0	47.9	53.2
28	62.2	62.2	62.2	62.1	60.1	61.7	61.6	61.6	61.6	61.5	61.4	61.3	61.2	56.3	60.9	47.8	53.2
27	62.0	62.0	62.0	61.9	59.9	61.6	61.4	61.4	61.4	61.3	61.2	61.1	61.0	56.1	60.7	47.8	53.2
26	61.7	61.8	61.7	61.7	59.7	61.3	61.1	61.2	61.2	61.1	61.0	60.9	60.8	56.0	60.5	47.7	53.2
25	61.5	61.6	61.5	61.4	59.4	61.1	60.9	60.9	60.9	60.8	60.7	60.6	60.5	55.7	60.2	47.6	53.3
24	61.2	61.2	61.2	61.1	59.2	60.8	60.6	60.7	60.6	60.5	60.5	60.3	60.3	55.4	59.9	47.5	53.3
23	60.9	60.9	60.9	60.8	58.9	60.4	60.3	60.3	60.3	60.2	60.1	60.1	60.0	55.1	59.7	47.3	53.3
22	60.6	60.6	60.5	60.5	58.6	60.1	60.0	60.0	60.0	60.0	59.9	59.8	59.7	54.9	59.4	47.2	53.3
21	60.3	60.3	60.3	60.2	58.4	59.9	59.7	59.8	59.7	59.7	59.6	59.5	59.4	54.7	59.1	47.1	53.4
20	60.0	60.0	60.0	59.9	58.1	59.6	59.4	59.5	59.5	59.4	59.3	59.2	59.1	54.5	58.8	46.9	53.4
19	59.6	59.7	59.6	59.5	57.8	59.2	59.1	59.2	59.1	59.1	59.0	58.9	58.9	54.3	58.6	46.7	53.4
18	59.3	59.3	59.2	59.2	57.5	58.9	58.7	58.8	58.8	58.7	58.7	58.6	58.5	53.9	58.2	46.5	53.4
17	58.9	59.0	58.9	58.8	57.2	58.5	58.4	58.5	58.4	58.4	58.3	58.2	58.2	53.6	57.9	46.3	53.4
16	58.5	58.5	58.5	58.4	56.8	58.2	58.0	58.1	58.1	58.0	58.0	57.9	57.8	53.3	57.5	46.0	53.4
15	58.1	58.1	58.1	58.0	56.5	57.8	57.6	57.7	57.7	57.7	57.6	57.5	57.4	52.9	57.2	45.7	53.4
14	57.7	57.8	57.7	57.6	56.1	57.4	57.2	57.3	57.3	57.3	57.2	57.2	57.1	52.6	56.8	45.4	53.5
13	57.4	57.5	57.4	57.3	55.8	57.1	56.9	57.0	57.0	57.0	56.9	56.8	56.8	52.3	56.5	45.1	53.5
12	57.2	57.2	57.2	57.1	55.6	56.8	56.7	56.7	56.7	56.7	56.6	56.6	56.5	52.1	56.2	44.9	53.5
11	56.9	56.9	56.9	56.8	55.3	56.5	56.4	56.5	56.5	56.5	56.4	56.3	56.2	51.9	56.0	44.8	53.5
10	56.7	56.7	56.7	56.6	55.2	56.3	56.2	56.2	56.2	56.2	56.1	56.1	56.0	51.6	55.7	44.4	53.4
9	56.6	56.6	56.5	56.4	55.0	56.1	56.0	56.0	56.0	56.0	55.9	55.9	55.8	51.5	55.5	44.1	53.2
8	56.4	56.4	56.4	56.3	55.0	56.0	55.9	55.9	55.9	55.8	55.8	55.7	55.6	51.4	55.3	43.8	52.8
7	56.0	56.0	56.0	55.9	54.6	55.7	55.6	55.7	55.7	55.7	55.6	55.6	55.5	51.5	55.2	43.6	52.3
6	55.7	55.6	55.6	55.6	54.2	55.3	55.2	55.3	55.4	55.3	55.3	55.3	55.2	51.1	55.0	43.4	51.8
5	55.3	55.3	55.2	55.2	53.8	55.0	54.8	55.0	55.0	55.0	54.9	54.9	54.9	50.7	54.6	43.2	51.2
4	55.0	54.9	54.9	54.9	53.5	54.6	54.5	54.6	54.6	54.6	54.6	54.6	54.5	50.4	54.3	42.9	48.9
3	54.6	54.7	54.6	54.6	53.3	54.3	54.2	54.3	54.3	54.3	54.3	54.2	54.2	50.1	54.0	42.6	45.5
2	54.4	54.4	54.3	54.3	53.0	54.0	53.9	54.0	54.1	54.0	54.0	54.0	53.9	49.8	53.7	42.4	43.6
1	54.1	54.1	54.1	54.1	52.8	53.8	53.7	53.8	53.8	53.8	53.7	53.7	53.6	49.5	53.4	42.1	42.9
Max	63.1	63.2	63.1	63.0	61.1	62.7	62.5	62.5	62.5	62.4	62.4	62.2	62.1	57.5	61.8	48.2	53.5
Min	54.1	54.1	54.1	54.1	52.8	53.8	53.7	53.8	53.8	53.8	53.7	53.7	53.6	49.5	53.4	42.1	42.9

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R306e	R307a	R307b	R307c	R307d	R307e	R308a	R308b	R401a	R401b	R402a	R402b	R402c	R403a	R403b	R403c	R403d
40																	
39	52.9	52.8	52.9	52.9	52.6	53.7	59.6	61.7	57.3	57.5	59.0	62.0	62.6	63.0	63.3	63.4	61.1
38	53.0	52.9	53.0	53.0	52.7	53.7	59.6	61.6	57.3	57.5	58.9	61.9	62.6	63.0	63.3	63.4	61.1
37	53.0	52.9	53.1	53.0	52.7	53.7	59.6	61.6	57.3	57.4	58.9	61.9	62.6	63.0	63.3	63.5	61.1
36	53.1	53.0	53.2	53.1	52.8	53.8	59.5	61.6	57.2	57.4	58.8	61.9	62.6	63.0	63.3	63.4	61.1
35	53.2	53.1	53.2	53.1	52.9	53.8	59.5	61.5	57.2	57.4	58.8	61.9	62.6	63.0	63.3	63.4	61.1
34	53.3	53.2	53.3	53.2	52.9	53.8	59.4	61.4	57.1	57.3	58.7	61.8	62.5	62.9	63.3	63.4	61.0
33	53.4	53.2	53.4	53.3	53.0	53.8	59.4	61.3	57.1	57.3	58.7	61.8	62.5	62.9	63.3	63.4	61.0
32	53.4	53.3	53.4	53.4	53.0	53.9	59.3	61.2	57.0	57.2	58.6	61.8	62.4	62.9	63.3	63.4	61.0
31	53.5	53.4	53.5	53.4	53.1	53.9	59.2	61.1	57.0	57.1	58.6	61.7	62.4	62.9	63.2	63.4	60.9
30	53.6	53.5	53.5	53.5	53.1	53.9	59.1	61.0	56.9	57.0	58.5	61.6	62.4	62.8	63.2	63.4	60.9
29	53.6	53.5	53.6	53.6	53.2	53.9	58.9	60.9	56.7	56.9	58.4	61.6	62.3	62.8	63.1	63.3	60.8
28	53.7	53.6	53.6	53.6	53.2	54.0	58.8	60.7	56.6	56.8	58.2	61.4	62.2	62.7	63.1	63.2	60.7
27	53.8	53.7	53.7	53.7	53.3	54.0	58.6	60.5	56.5	56.6	58.1	61.3	62.1	62.6	63.0	63.1	60.6
26	53.9	53.8	53.8	53.8	53.3	54.0	58.4	60.3	56.3	56.5	57.9	61.2	62.0	62.5	62.9	63.0	60.5
25	54.0	53.8	53.9	53.8	53.4	54.0	58.1	60.0	56.1	56.2	57.7	61.0	61.8	62.3	62.8	62.9	60.3
24	54.1	53.9	53.9	53.8	53.3	54.0	57.8	59.7	55.9	56.0	57.4	60.8	61.6	62.1	62.6	62.7	60.1
23	54.1	54.0	53.9	53.9	53.4	53.9	57.5	59.4	55.6	55.7	57.1	60.6	61.4	61.9	62.3	62.5	60.0
22	54.2	54.0	54.0	53.9	53.4	53.9	57.2	59.1	55.3	55.5	56.8	60.3	61.1	61.6	62.0	62.2	59.8
21	54.3	54.1	54.0	54.0	53.4	53.9	56.9	58.8	54.9	55.1	56.5	60.0	60.8	61.3	61.7	61.9	59.5
20	54.3	54.2	54.0	53.9	53.3	53.8	56.5	58.5	54.7	54.8	56.2	59.7	60.5	60.9	61.3	61.5	59.2
19	54.4	54.2	54.0	53.9	53.3	53.7	56.2	58.1	54.4	54.6	55.9	59.5	60.1	60.5	60.9	61.1	58.9
18	54.4	54.2	54.0	53.9	53.2	53.5	55.9	57.8	54.3	54.4	55.7	59.2	59.8	60.1	60.5	60.7	58.7
17	54.5	54.2	53.8	53.8	53.0	53.2	55.5	57.4	53.8	53.9	55.3	58.7	59.3	59.6	59.9	60.1	58.3
16	54.5	54.2	53.6	53.6	52.7	52.9	55.2	57.1	53.4	53.5	54.8	58.3	58.8	59.1	59.4	59.6	57.9
15	54.5	54.1	53.3	53.3	52.3	52.4	54.8	56.7	52.9	53.0	54.4	57.8	58.3	58.6	58.9	59.1	57.3
14	54.4	54.0	53.1	53.0	51.9	52.1	54.4	56.3	52.5	52.6	53.9	57.4	57.9	58.1	58.4	58.6	56.9
13	54.3	53.9	52.8	52.7	51.5	51.4	54.0	56.0	52.0	52.1	53.5	57.1	57.5	57.7	58.0	58.2	56.6
12	54.1	53.6	52.3	52.2	50.8	50.8	53.7	55.7	51.6	51.8	53.1	56.7	57.1	57.3	57.5	57.7	56.1
11	53.8	53.3	51.7	51.7	50.0	49.9	53.4	55.4	51.3	51.5	52.9	56.2	56.7	56.8	57.1	57.3	55.6
10	53.3	52.7	50.9	50.9	49.0	49.0	53.2	55.3	50.9	51.1	52.6	55.8	56.2	56.4	56.6	56.8	55.1
9	52.9	52.0	49.9	49.9	47.4	47.8	52.9	55.0	50.8	51.0	52.5	55.5	55.9	56.0	56.3	56.4	54.8
8	52.2	51.5	49.1	49.0	46.3	46.9	52.6	54.9	50.7	50.9	52.3	55.3	55.6	55.7	55.9	56.1	54.5
7	51.5	50.7	48.0	48.0	44.9	46.1	52.4	54.6	50.3	50.4	51.8	54.8	55.1	55.2	55.4	55.6	54.0
6	50.9	50.2	47.3	47.2	43.7	45.5	52.2	54.3	49.8	49.9	51.3	54.2	54.6	54.6	54.9	55.1	53.5
5	50.3	49.5	46.4	46.3	42.5	44.9	51.9	53.9	49.4	49.5	50.9	53.8	54.2	54.2	54.4	54.6	53.0
4	47.5	46.1	43.3	43.3	40.5	44.2	51.5	53.6	49.0	49.2	50.6	53.4	53.7	53.7	54.0	54.1	52.5
3	42.6	41.5	40.2	40.1	<40	43.5	51.2	53.3	48.7	48.8	50.3	53.0	53.3	53.4	53.6	53.7	52.0
2	<40	<40	<40	<40	<40	43.0	50.9	53.0	48.4	48.5	50.0	52.7	53.0	53.0	53.2	53.2	51.6
1	<40	<40	<40	<40	<40	42.3	50.6	52.7	48.1	48.3	49.7	52.2	52.4	52.3	52.4	52.3	50.6
Max	54.5	54.2	54.0	54.0	53.4	54.0	59.6	61.7	57.3	57.5	59.0	62.0	62.6	63.0	63.3	63.5	61.1
Min	<40	<40	<40	<40	<40	42.3	50.6	52.7	48.1	48.3	49.7	52.2	52.4	52.3	52.4	52.3	50.6

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R404a	R404b	R405a	R405b	R406a	R406b	R407a	R407b	R407c	R408a	R408b	R408c	R501a	R501b	R501c	R501d	R502a
40																	
39	60.7	60.6	60.8	61.1	61.5	61.8	62.0	62.3	59.5	56.1	56.2	55.3	61.4	62.5	62.8	62.4	62.1
38	60.7	60.6	60.9	61.1	61.5	61.9	62.0	62.3	59.5	56.1	56.2	55.3	61.4	62.5	62.8	62.4	62.1
37	60.8	60.6	60.8	61.1	61.5	61.9	62.1	62.3	59.5	56.1	56.2	55.2	61.4	62.5	62.8	62.4	62.1
36	60.7	60.5	60.8	61.1	61.5	61.8	62.0	62.3	59.6	56.1	56.2	55.2	61.4	62.5	62.8	62.4	62.1
35	60.7	60.5	60.8	61.0	61.5	61.8	62.0	62.3	59.6	56.1	56.1	55.1	61.4	62.5	62.8	62.4	62.1
34	60.7	60.5	60.8	61.1	61.4	61.8	62.0	62.3	59.6	56.0	56.1	55.1	61.4	62.4	62.8	62.4	62.1
33	60.6	60.5	60.8	61.0	61.4	61.8	62.0	62.3	59.6	56.0	56.1	55.1	61.3	62.4	62.8	62.4	62.1
32	60.6	60.4	60.7	61.0	61.4	61.8	62.0	62.3	59.6	56.0	56.0	55.0	61.3	62.4	62.7	62.4	62.1
31	60.6	60.4	60.7	60.9	61.4	61.8	62.0	62.2	59.6	56.0	56.0	55.0	61.2	62.4	62.7	62.3	62.0
30	60.5	60.4	60.6	60.9	61.3	61.7	61.9	62.2	59.6	55.9	56.0	54.9	61.2	62.3	62.7	62.3	62.0
29	60.4	60.3	60.6	60.8	61.3	61.7	61.9	62.2	59.6	55.9	55.9	54.8	61.1	62.3	62.6	62.2	62.0
28	60.4	60.2	60.5	60.8	61.2	61.6	61.8	62.1	59.6	55.8	55.8	54.7	61.0	62.2	62.5	62.2	61.9
27	60.3	60.1	60.4	60.7	61.2	61.6	61.8	62.0	59.5	55.7	55.7	54.5	60.9	62.1	62.5	62.1	61.8
26	60.2	60.0	60.3	60.6	61.1	61.5	61.7	62.0	59.5	55.6	55.7	54.4	60.7	62.0	62.4	62.0	61.7
25	60.0	59.9	60.2	60.5	61.0	61.4	61.6	61.9	59.4	55.5	55.5	54.2	60.6	61.8	62.3	61.9	61.6
24	59.9	59.7	60.0	60.3	60.8	61.3	61.5	61.8	59.3	55.3	55.3	53.9	60.4	61.7	62.1	61.7	61.5
23	59.7	59.6	59.9	60.2	60.7	61.1	61.4	61.6	59.2	55.1	55.2	53.6	60.1	61.5	62.0	61.6	61.3
22	59.5	59.3	59.7	60.0	60.5	61.0	61.2	61.5	59.1	55.0	54.9	53.3	59.8	61.2	61.7	61.4	61.1
21	59.2	59.1	59.4	59.8	60.3	60.8	61.0	61.3	58.9	54.8	54.7	52.9	59.5	61.0	61.5	61.1	60.8
20	58.9	58.8	59.2	59.6	60.1	60.6	60.8	61.1	58.7	54.5	54.5	52.6	59.1	60.7	61.2	60.8	60.5
19	58.7	58.6	58.9	59.3	59.8	60.3	60.6	60.8	58.4	54.4	54.4	52.3	58.8	60.4	60.9	60.5	60.2
18	58.4	58.3	58.6	59.0	59.5	60.1	60.3	60.6	58.1	54.3	54.3	52.2	58.4	60.0	60.6	60.2	59.9
17	58.0	57.9	58.3	58.6	59.2	59.8	60.0	60.2	57.8	54.2	54.1	51.8	58.0	59.6	60.3	59.8	59.5
16	57.6	57.5	57.9	58.2	58.8	59.4	59.6	59.9	57.5	53.9	53.8	51.4	57.5	59.3	59.9	59.5	59.2
15	57.1	57.0	57.3	57.7	58.3	59.0	59.2	59.5	57.2	53.7	53.6	51.0	57.1	58.9	59.6	59.1	58.8
14	56.7	56.6	57.0	57.4	58.0	58.7	58.9	59.1	56.9	53.5	53.4	50.6	56.7	58.5	59.3	58.7	58.4
13	56.3	56.2	56.6	57.0	57.6	58.4	58.6	58.9	56.6	53.3	53.2	50.1	56.3	58.1	58.9	58.3	58.1
12	55.9	55.8	56.2	56.6	57.2	58.1	58.3	58.5	56.4	53.2	53.0	49.6	55.9	57.8	58.6	58.0	57.7
11	55.3	55.2	55.6	56.0	56.8	57.6	57.9	58.1	56.2	52.9	52.8	49.1	55.6	57.5	58.3	57.7	57.4
10	54.8	54.7	55.1	55.5	56.3	57.3	57.6	57.8	56.0	52.8	52.6	48.6	55.2	57.2	58.0	57.4	57.1
9	54.4	54.3	54.7	55.1	55.9	56.9	57.3	57.4	55.8	52.7	52.5	48.4	54.9	57.0	57.8	57.2	56.8
8	54.1	53.9	54.4	54.7	55.5	56.7	57.0	57.2	55.6	52.6	52.4	48.2	54.6	56.7	57.5	56.9	56.6
7	53.7	53.6	54.0	54.4	55.2	56.4	56.7	56.9	55.4	52.6	52.4	48.1	54.4	56.5	57.3	56.7	56.3
6	53.2	53.1	53.5	53.9	54.8	56.1	56.5	56.6	55.3	52.4	52.2	47.6	54.3	56.3	57.1	56.5	56.1
5	52.6	52.5	53.0	53.5	54.5	55.8	56.2	56.4	55.2	52.3	52.0	47.2	53.9	56.0	56.9	56.2	55.9
4	52.1	52.0	52.5	53.0	54.1	55.5	55.9	56.1	54.9	52.0	51.8	46.8	53.5	55.8	56.6	55.9	55.6
3	51.6	51.5	52.0	52.5	53.7	55.2	55.7	55.8	54.5	51.6	51.3	46.5	53.1	55.5	56.4	55.7	55.4
2	51.1	51.0	51.5	51.9	53.2	54.9	55.3	55.5	54.1	51.2	51.0	46.2	52.8	55.3	56.2	55.5	55.2
1	50.1	50.0	50.4	50.8	52.3	54.3	54.8	55.0	53.9	51.1	50.7	45.9	52.5	55.1	56.1	55.3	55.0
Max	60.8	60.6	60.9	61.1	61.5	61.9	62.1	62.3	59.6	56.1	56.2	55.3	61.4	62.5	62.8	62.4	62.1
Min	50.1	50.0	50.4	50.8	52.3	54.3	54.8	55.0	53.9	51.1	50.7	45.9	52.5	55.1	56.1	55.3	55.0

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R502b	R503a	R503b	R503c	R503d	R503e	R504a	R504b	R504c	R505a	R505b	R506a	R506b	R507a	R507b	R507c	R507d
40																	
39	61.9	62.2	62.0	58.4	58.0	57.6	57.3	56.9	56.5	56.1	55.6	55.1	54.9	54.4	53.9	53.5	54.5
38	61.9	62.2	62.0	58.5	58.0	57.7	57.4	56.9	56.5	56.1	55.6	55.2	54.9	54.4	54.0	53.5	54.5
37	61.9	62.2	62.1	58.5	58.0	57.7	57.4	56.9	56.6	56.1	55.6	55.2	54.9	54.4	54.0	53.5	54.5
36	61.9	62.2	62.0	58.5	58.0	57.7	57.4	56.9	56.6	56.2	55.7	55.2	55.0	54.5	54.0	53.6	54.5
35	61.9	62.2	62.1	58.5	58.0	57.7	57.4	57.0	56.6	56.2	55.7	55.2	54.9	54.5	54.0	53.6	54.5
34	61.9	62.2	62.1	58.5	58.0	57.7	57.4	57.0	56.6	56.2	55.7	55.3	55.0	54.5	54.1	53.6	54.5
33	61.9	62.2	62.1	58.5	58.1	57.7	57.4	57.0	56.6	56.2	55.7	55.2	55.0	54.5	54.1	53.6	54.5
32	61.8	62.2	62.0	58.5	58.0	57.7	57.4	57.0	56.6	56.2	55.7	55.3	55.0	54.5	54.0	53.7	54.5
31	61.8	62.2	62.0	58.5	58.1	57.7	57.4	57.0	56.6	56.2	55.7	55.2	55.0	54.5	54.1	53.6	54.5
30	61.8	62.2	62.0	58.5	58.0	57.7	57.4	57.0	56.6	56.2	55.7	55.3	55.0	54.5	54.1	53.7	54.4
29	61.7	62.1	62.0	58.5	58.0	57.7	57.4	57.0	56.6	56.2	55.7	55.2	55.0	54.5	54.1	53.7	54.4
28	61.6	62.1	61.9	58.5	58.0	57.7	57.4	57.0	56.6	56.2	55.8	55.3	55.0	54.5	54.1	53.7	54.3
27	61.5	62.0	61.9	58.5	58.0	57.7	57.4	57.0	56.6	56.2	55.7	55.2	55.0	54.5	54.1	53.6	54.3
26	61.5	61.9	61.8	58.5	58.0	57.7	57.4	56.9	56.6	56.2	55.7	55.2	55.0	54.5	54.0	53.6	54.3
25	61.4	61.9	61.7	58.4	58.0	57.6	57.4	56.9	56.5	56.1	55.7	55.2	54.9	54.5	54.0	53.6	54.2
24	61.2	61.7	61.6	58.4	57.9	57.6	57.3	56.9	56.5	56.1	55.6	55.2	54.9	54.4	54.0	53.5	54.2
23	61.0	61.6	61.5	58.4	57.9	57.6	57.3	56.8	56.5	56.0	55.6	55.1	54.8	54.4	53.9	53.5	54.1
22	60.8	61.4	61.3	58.3	57.8	57.5	57.2	56.8	56.4	56.0	55.5	55.0	54.7	54.3	53.9	53.4	54.0
21	60.6	61.2	61.1	58.2	57.8	57.4	57.2	56.7	56.3	55.9	55.5	55.0	54.7	54.2	53.8	53.3	53.9
20	60.3	61.0	60.9	58.1	57.7	57.4	57.1	56.6	56.3	55.8	55.4	54.9	54.6	54.2	53.7	53.2	53.7
19	60.0	60.7	60.6	58.1	57.6	57.3	57.0	56.5	56.2	55.8	55.3	54.8	54.5	54.0	53.6	53.1	53.6
18	59.6	60.4	60.4	57.9	57.5	57.2	56.9	56.4	56.1	55.7	55.2	54.7	54.4	54.0	53.6	53.1	53.5
17	59.3	60.1	60.1	57.8	57.4	57.1	56.8	56.3	56.0	55.6	55.1	54.6	54.3	53.9	53.5	53.0	53.3
16	58.9	59.9	59.8	57.7	57.3	57.0	56.7	56.2	55.9	55.5	55.0	54.5	54.3	53.8	53.4	53.0	53.2
15	58.6	59.6	59.5	57.5	57.1	56.8	56.6	56.1	55.8	55.3	54.9	54.4	54.2	53.8	53.4	53.0	53.1
14	58.2	59.2	59.2	57.3	57.0	56.7	56.4	55.9	55.6	55.2	54.8	54.3	54.0	53.7	53.3	52.9	53.0
13	57.8	58.9	58.9	57.1	56.8	56.5	56.3	55.8	55.4	55.1	54.6	54.2	54.0	53.6	53.3	52.8	52.8
12	57.5	58.6	58.6	56.9	56.5	56.3	56.1	55.6	55.3	54.9	54.5	54.1	53.8	53.5	53.3	52.8	52.6
11	57.2	58.3	58.2	56.6	56.2	56.0	55.8	55.3	55.0	54.7	54.3	53.9	53.7	53.5	53.2	52.8	52.5
10	56.9	58.0	57.9	56.3	55.9	55.8	55.5	55.1	54.7	54.5	54.1	53.8	53.7	53.4	53.2	52.7	52.3
9	56.7	57.8	57.6	56.0	55.7	55.5	55.3	54.8	54.4	54.2	53.9	53.6	53.5	53.3	53.1	52.7	52.2
8	56.4	57.5	57.3	55.7	55.4	55.2	55.1	54.6	54.3	54.0	53.7	53.5	53.4	53.2	53.0	52.6	52.1
7	56.2	57.2	57.0	55.4	55.1	54.9	54.8	54.3	54.0	53.8	53.6	53.3	53.3	53.1	52.8	52.4	51.8
6	56.0	56.9	56.5	54.8	54.5	54.3	54.3	53.9	53.7	53.6	53.5	53.2	53.2	53.0	52.6	52.0	51.3
5	55.8	56.6	55.8	53.8	53.4	53.3	53.4	53.3	53.4	53.4	53.4	53.2	53.1	52.8	52.2	51.3	50.6
4	55.5	56.3	55.1	52.6	52.2	52.2	52.6	52.8	53.1	53.2	53.4	53.1	53.1	52.6	51.8	50.5	49.9
3	55.3	56.0	54.7	51.9	51.4	51.5	52.0	52.5	52.9	53.1	53.3	53.1	53.1	52.6	51.6	50.1	49.3
2	55.0	55.8	54.3	51.5	51.0	51.1	51.7	52.3	52.8	53.0	53.2	53.1	53.0	52.5	51.5	49.9	49.0
1	54.8	55.7	54.1	51.1	50.6	50.8	51.5	52.1	52.6	52.9	53.2	53.0	53.0	52.5	51.4	49.7	48.8
Max	61.9	62.2	62.1	58.5	58.1	57.7	57.4	57.0	56.6	56.2	55.8	55.3	55.0	54.5	54.1	53.7	54.5
Min	54.8	55.7	54.1	51.1	50.6	50.8	51.5	52.1	52.6	52.9	53.2	53.0	53.0	52.5	51.4	49.7	48.8

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R508a	R508b	R508c	R508d	R509a	R509b	R510a	R510b	R510c	R510d	R601a	R601b	R601c	R601d	R602a	R602b	R602c
40																	
39	57.2	61.9	61.8	61.8	61.7	61.6	56.4	61.6	61.8	61.6							
38	57.2	61.9	61.8	61.8	61.6	61.6	56.4	61.6	61.8	61.6	60.4	63.9	64.1	64.3	64.5	64.6	64.6
37	57.2	61.9	61.8	61.8	61.6	61.6	56.4	61.6	61.8	61.6	60.4	63.9	64.1	64.3	64.5	64.6	64.6
36	57.1	61.9	61.8	61.7	61.6	61.6	56.4	61.5	61.8	61.6	60.3	63.9	64.1	64.3	64.5	64.6	64.6
35	57.1	61.8	61.7	61.7	61.6	61.5	56.5	61.5	61.8	61.6	60.3	63.9	64.1	64.4	64.5	64.6	64.7
34	57.1	61.8	61.7	61.7	61.5	61.5	56.4	61.5	61.7	61.5	60.3	63.9	64.1	64.4	64.6	64.6	64.7
33	57.1	61.7	61.6	61.6	61.5	61.4	56.4	61.4	61.7	61.5	60.3	63.9	64.1	64.4	64.6	64.6	64.7
32	57.1	61.6	61.6	61.6	61.4	61.4	56.4	61.4	61.6	61.5	60.2	63.9	64.1	64.4	64.6	64.6	64.7
31	57.0	61.6	61.5	61.5	61.4	61.3	56.3	61.3	61.6	61.4	60.2	63.9	64.1	64.4	64.6	64.6	64.7
30	57.0	61.5	61.4	61.4	61.3	61.2	56.3	61.3	61.5	61.3	60.2	63.9	64.1	64.4	64.6	64.6	64.7
29	56.9	61.4	61.3	61.3	61.2	61.1	56.2	61.2	61.4	61.2	60.1	63.8	64.1	64.3	64.5	64.6	64.7
28	56.8	61.3	61.2	61.2	61.1	61.0	56.1	61.1	61.3	61.1	60.0	63.8	64.0	64.3	64.5	64.6	64.7
27	56.8	61.2	61.1	61.1	61.0	60.9	56.0	61.0	61.2	61.0	60.0	63.8	64.0	64.3	64.5	64.6	64.6
26	56.6	61.0	60.9	60.9	60.8	60.7	55.9	60.8	61.0	60.9	59.9	63.7	64.0	64.3	64.5	64.6	64.6
25	56.5	60.8	60.7	60.7	60.6	60.6	55.8	60.6	60.9	60.7	59.8	63.7	63.9	64.2	64.4	64.5	64.6
24	56.3	60.6	60.5	60.5	60.4	60.4	55.6	60.4	60.7	60.5	59.7	63.6	63.9	64.2	64.4	64.4	64.5
23	56.2	60.4	60.3	60.3	60.1	60.1	55.4	60.1	60.4	60.3	59.6	63.5	63.8	64.1	64.3	64.4	64.5
22	55.9	60.1	60.0	60.0	59.8	59.8	55.2	59.9	60.1	60.0	59.4	63.4	63.7	64.0	64.2	64.3	64.4
21	55.7	59.8	59.7	59.7	59.5	59.5	54.8	59.5	59.8	59.6	59.3	63.3	63.6	63.9	64.1	64.2	64.3
20	55.4	59.5	59.3	59.3	59.2	59.1	54.4	59.1	59.4	59.3	59.1	63.2	63.4	63.7	64.0	64.0	64.1
19	55.1	59.2	59.0	59.0	58.9	58.8	54.0	58.8	59.1	58.9	58.9	63.0	63.3	63.5	63.8	63.9	63.9
18	54.7	58.9	58.7	58.7	58.5	58.5	53.5	58.5	58.7	58.6	58.7	62.9	63.1	63.4	63.6	63.6	63.7
17	54.4	58.6	58.4	58.4	58.2	58.1	53.0	58.1	58.4	58.2	58.4	62.6	62.9	63.1	63.3	63.4	63.5
16	54.1	58.2	58.0	58.0	57.8	57.7	52.5	57.7	57.9	57.8	58.1	62.4	62.6	62.9	63.0	63.1	63.2
15	53.9	57.9	57.6	57.6	57.4	57.3	52.1	57.3	57.5	57.4	57.9	62.1	62.3	62.5	62.7	62.7	62.8
14	53.5	57.5	57.2	57.2	57.0	56.9	51.5	56.8	57.1	56.9	57.6	61.8	62.0	62.2	62.3	62.3	62.4
13	53.2	57.1	56.8	56.8	56.6	56.5	51.0	56.4	56.7	56.5	57.2	61.4	61.6	61.8	61.9	61.9	62.1
12	52.9	56.8	56.4	56.4	56.2	56.1	50.6	56.0	56.3	56.1	56.8	61.0	61.2	61.4	61.5	61.6	61.7
11	52.6	56.5	56.1	56.1	55.8	55.8	50.1	55.7	56.0	55.8	56.5	60.7	60.9	61.0	61.1	61.2	61.3
10	52.4	56.2	55.8	55.8	55.6	55.5	49.8	55.4	55.7	55.5	56.2	60.3	60.4	60.6	60.7	60.7	60.8
9	52.2	55.9	55.5	55.6	55.3	55.2	49.4	55.1	55.3	55.1	55.8	59.9	60.1	60.2	60.3	60.3	60.4
8	51.8	55.7	55.2	55.3	55.0	54.9	49.0	54.8	55.1	54.8	55.4	59.6	59.7	59.9	60.0	60.0	60.1
7	51.4	55.4	55.1	55.1	54.8	54.7	48.7	54.6	54.9	54.7	55.0	59.2	59.4	59.5	59.6	59.6	59.7
6	50.8	55.1	55.0	54.9	54.7	54.5	48.5	54.5	54.7	54.5	54.6	58.9	59.1	59.2	59.3	59.3	59.4
5	49.9	54.9	54.7	54.7	54.4	54.3	48.2	54.1	54.4	54.1	54.3	58.6	58.8	58.9	59.0	59.0	59.1
4	49.0	54.4	54.3	54.3	54.0	53.9	47.8	53.7	54.0	53.7	54.1	58.3	58.5	58.6	58.7	58.7	58.8
3	48.4	54.0	53.9	53.9	53.6	53.5	47.4	53.3	53.6	53.4	53.9	58.1	58.3	58.4	58.5	58.5	58.6
2	47.9	53.6	53.6	53.6	53.3	53.1	47.0	53.0	53.3	53.1	53.7	57.9	58.1	58.2	58.3	58.3	58.3
1	47.5	53.3	53.3	53.2	53.0	52.8	46.7	52.7	53.0	52.7	53.4	57.6	57.8	57.9	57.9	57.9	58.0
Max	57.2	61.9	61.8	61.8	61.7	61.6	56.5	61.6	61.8	61.6	60.4	63.9	64.1	64.4	64.6	64.6	64.7
Min	47.5	53.3	53.3	53.2	53.0	52.8	46.7	52.7	53.0	52.7	53.4	57.6	57.8	57.9	57.9	57.9	58.0

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R603a	R603b	R604a	R604b	R605a	R605b	R606a	R606b	R607a	R607b	R608a	R608b	R608c	R608d	R609a	R609b	R609c
40																	
39																	
38	64.7	64.7	64.7	64.8	64.8	64.8	65.0	65.1	65.3	65.5	65.8	66.0	67.1	66.7	66.7	67.0	65.2
37	64.7	64.7	64.8	64.8	64.9	64.8	65.0	65.1	65.3	65.5	65.8	66.0	67.1	66.7	66.7	67.0	65.2
36	64.7	64.7	64.8	64.8	64.9	64.9	65.0	65.1	65.3	65.5	65.8	66.1	67.1	66.8	66.8	67.1	65.3
35	64.7	64.7	64.8	64.8	64.9	64.9	65.0	65.1	65.4	65.5	65.9	66.1	67.2	66.8	66.8	67.1	65.3
34	64.7	64.8	64.8	64.8	64.9	64.9	65.0	65.1	65.4	65.5	65.9	66.1	67.2	66.8	66.8	67.1	65.4
33	64.7	64.8	64.8	64.8	64.9	64.9	65.1	65.1	65.4	65.5	65.9	66.1	67.2	66.9	66.9	67.1	65.4
32	64.8	64.8	64.8	64.9	64.9	64.9	65.1	65.1	65.4	65.6	65.9	66.1	67.2	66.9	66.9	67.2	65.4
31	64.7	64.8	64.8	64.9	64.9	64.9	65.1	65.2	65.4	65.5	65.9	66.1	67.2	66.9	66.9	67.2	65.5
30	64.8	64.8	64.9	64.9	64.9	64.9	65.0	65.2	65.4	65.6	65.9	66.1	67.3	66.9	66.9	67.2	65.5
29	64.7	64.8	64.8	64.9	64.9	64.9	65.1	65.2	65.4	65.6	65.9	66.1	67.2	66.9	66.9	67.2	65.5
28	64.7	64.8	64.8	64.9	64.9	64.9	65.1	65.1	65.4	65.5	65.9	66.1	67.2	66.9	66.9	67.3	65.5
27	64.7	64.7	64.8	64.8	64.9	64.9	65.0	65.1	65.4	65.5	65.9	66.1	67.2	66.9	66.9	67.3	65.5
26	64.7	64.7	64.8	64.8	64.9	64.9	65.0	65.1	65.4	65.5	65.8	66.1	67.1	66.9	66.9	67.2	65.5
25	64.6	64.7	64.8	64.8	64.9	64.8	65.0	65.1	65.3	65.5	65.8	66.1	67.1	66.8	66.8	67.2	65.5
24	64.6	64.6	64.7	64.7	64.8	64.8	64.9	65.0	65.3	65.4	65.7	66.0	67.0	66.7	66.7	67.1	65.4
23	64.5	64.6	64.6	64.7	64.8	64.7	64.9	65.0	65.2	65.4	65.7	66.0	67.0	66.7	66.7	67.1	65.4
22	64.4	64.5	64.6	64.6	64.7	64.6	64.8	64.9	65.1	65.3	65.6	65.9	66.9	66.6	66.7	67.0	65.3
21	64.3	64.4	64.5	64.5	64.6	64.6	64.7	64.8	65.0	65.2	65.5	65.8	66.9	66.6	66.6	67.0	65.3
20	64.2	64.2	64.3	64.4	64.5	64.4	64.6	64.7	64.9	65.1	65.4	65.7	66.8	66.5	66.5	66.9	65.2
19	64.0	64.1	64.2	64.2	64.3	64.3	64.4	64.5	64.8	64.9	65.3	65.6	66.7	66.4	66.4	66.8	65.2
18	63.8	63.9	64.0	64.0	64.1	64.1	64.3	64.4	64.6	64.8	65.1	65.4	66.6	66.3	66.3	66.7	65.2
17	63.6	63.6	63.7	63.8	63.9	63.9	64.1	64.2	64.4	64.6	64.9	65.2	66.4	66.2	66.2	66.6	65.1
16	63.3	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.2	64.3	64.7	65.0	66.3	66.0	66.0	66.5	65.0
15	62.9	63.0	63.1	63.1	63.3	63.3	63.5	63.6	63.9	64.0	64.4	64.7	66.0	65.8	65.8	66.3	64.9
14	62.5	62.6	62.7	62.8	62.9	63.0	63.2	63.3	63.5	63.7	64.0	64.3	65.8	65.6	65.6	66.1	64.7
13	62.1	62.2	62.3	62.3	62.5	62.6	62.8	62.9	63.2	63.3	63.7	63.9	65.5	65.3	65.3	65.9	64.5
12	61.7	61.8	61.9	61.9	62.1	62.2	62.4	62.5	62.8	62.9	63.2	63.5	65.2	65.0	65.0	65.6	64.4
11	61.3	61.4	61.5	61.5	61.7	61.7	61.9	62.0	62.3	62.4	62.7	63.0	64.9	64.7	64.7	65.4	64.2
10	60.9	60.9	61.0	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.3	62.5	64.6	64.4	64.4	65.1	64.1
9	60.5	60.5	60.6	60.6	60.8	60.8	61.0	61.2	61.4	61.5	61.8	62.0	64.3	64.1	64.1	64.9	64.0
8	60.1	60.2	60.2	60.3	60.4	60.5	60.7	60.8	61.0	61.1	61.4	61.6	64.0	63.9	63.9	64.7	63.8
7	59.7	59.8	59.8	59.9	60.0	60.1	60.3	60.4	60.6	60.7	61.0	61.2	63.8	63.6	63.7	64.5	63.7
6	59.4	59.5	59.5	59.6	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.8	63.6	63.5	63.5	64.3	63.6
5	59.1	59.2	59.2	59.3	59.4	59.5	59.7	59.8	60.0	60.1	60.3	60.5	63.4	63.3	63.3	64.2	63.5
4	58.8	58.9	58.9	59.0	59.1	59.2	59.4	59.5	59.7	59.8	60.0	60.2	63.2	63.1	63.1	64.0	63.4
3	58.6	58.7	58.7	58.7	58.9	58.9	59.1	59.2	59.4	59.5	59.7	59.8	62.9	62.8	62.9	63.9	63.3
2	58.3	58.4	58.4	58.4	58.6	58.6	58.8	58.9	59.1	59.2	59.3	59.5	62.6	62.5	62.5	63.6	63.1
1	58.1	58.1	58.1	58.2	58.3	58.3	58.5	58.6	58.8	58.9	59.1	59.2	62.2	62.0	62.0	63.1	62.6
Max	64.8	64.8	64.9	64.9	64.9	64.9	65.1	65.2	65.4	65.6	65.9	66.1	67.3	66.9	66.9	67.3	65.5
Min	58.1	58.1	58.1	58.2	58.3	58.3	58.5	58.6	58.8	58.9	59.1	59.2	62.2	62.0	62.0	63.1	62.6

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R609d	R609e	R610a	R610b	R610c	R611a	R611b	R611c	R612a	R612b	R613a	R613b	R614a	R615a	R615b	R616a	R616b
40																	
39																	
38	63.3	62.0	61.2	60.6	60.6	60.5	60.3	59.9	59.7	59.3	59.1	58.8	58.7	59.5	60.3	61.3	61.9
37	63.3	62.1	61.3	60.7	60.7	60.5	60.3	59.9	59.7	59.3	59.2	58.8	58.7	59.5	60.4	61.3	61.9
36	63.4	62.1	61.3	60.7	60.7	60.6	60.4	60.0	59.8	59.4	59.2	58.9	58.8	59.5	60.4	61.3	62.0
35	63.4	62.2	61.4	60.8	60.8	60.6	60.5	60.0	59.8	59.4	59.2	58.9	58.8	59.6	60.5	61.3	62.0
34	63.4	62.2	61.4	60.8	60.8	60.7	60.5	60.1	59.8	59.5	59.3	58.9	58.8	59.6	60.5	61.4	62.0
33	63.5	62.2	61.5	60.9	60.9	60.7	60.5	60.1	59.9	59.5	59.3	59.0	58.9	59.6	60.5	61.4	62.1
32	63.5	62.3	61.5	60.9	60.9	60.8	60.6	60.2	60.0	59.5	59.4	59.0	58.9	59.7	60.5	61.5	62.1
31	63.6	62.3	61.5	61.0	61.0	60.8	60.6	60.2	60.0	59.6	59.4	59.1	59.0	59.7	60.6	61.5	62.1
30	63.6	62.4	61.6	61.0	61.0	60.9	60.7	60.3	60.0	59.7	59.4	59.1	59.0	59.7	60.6	61.5	62.1
29	63.6	62.4	61.7	61.1	61.1	60.9	60.7	60.3	60.1	59.7	59.5	59.1	59.0	59.8	60.6	61.6	62.2
28	63.7	62.4	61.7	61.1	61.1	61.0	60.8	60.4	60.1	59.7	59.5	59.2	59.0	59.8	60.7	61.6	62.2
27	63.7	62.5	61.7	61.2	61.2	61.0	60.8	60.4	60.1	59.8	59.5	59.2	59.1	59.8	60.7	61.6	62.2
26	63.7	62.5	61.8	61.2	61.2	61.1	60.9	60.5	60.2	59.8	59.6	59.3	59.1	59.8	60.7	61.6	62.2
25	63.7	62.4	61.8	61.3	61.3	61.1	60.9	60.5	60.2	59.8	59.6	59.3	59.2	59.9	60.7	61.6	62.2
24	63.5	62.3	61.8	61.3	61.3	61.2	61.0	60.5	60.3	59.8	59.6	59.3	59.2	59.9	60.8	61.6	62.2
23	63.5	62.3	61.9	61.4	61.3	61.2	61.0	60.6	60.3	59.9	59.7	59.3	59.2	59.9	60.7	61.7	62.3
22	63.5	62.3	61.9	61.4	61.4	61.2	61.1	60.6	60.3	59.9	59.7	59.3	59.2	59.9	60.8	61.7	62.2
21	63.5	62.3	61.9	61.4	61.4	61.3	61.1	60.6	60.4	59.9	59.7	59.3	59.2	59.9	60.8	61.7	62.2
20	63.5	62.3	62.0	61.5	61.4	61.3	61.1	60.7	60.4	59.9	59.7	59.4	59.2	59.9	60.7	61.6	62.2
19	63.5	62.3	62.0	61.5	61.5	61.4	61.1	60.7	60.4	59.9	59.7	59.4	59.3	59.9	60.7	61.6	62.2
18	63.5	62.3	62.0	61.5	61.5	61.4	61.2	60.7	60.4	59.9	59.7	59.4	59.2	59.9	60.7	61.6	62.1
17	63.4	62.3	62.0	61.6	61.5	61.4	61.2	60.7	60.4	59.9	59.7	59.4	59.2	59.8	60.7	61.6	62.1
16	63.4	62.3	62.0	61.6	61.5	61.4	61.2	60.7	60.4	59.9	59.7	59.3	59.2	59.8	60.6	61.5	62.0
15	63.4	62.3	62.0	61.6	61.5	61.4	61.2	60.7	60.4	59.9	59.6	59.3	59.2	59.7	60.5	61.4	61.9
14	63.3	62.3	62.0	61.6	61.5	61.4	61.2	60.7	60.3	59.9	59.6	59.3	59.1	59.7	60.4	61.3	61.8
13	63.2	62.2	62.0	61.6	61.5	61.4	61.2	60.7	60.3	59.7	59.5	59.1	59.0	59.5	60.3	61.2	61.6
12	63.2	62.2	61.9	61.6	61.5	61.4	61.2	60.6	60.2	59.7	59.4	59.0	58.8	59.4	60.1	61.1	61.5
11	63.1	62.2	61.9	61.6	61.5	61.3	61.1	60.6	60.1	59.5	59.2	58.8	58.6	59.1	60.0	60.9	61.3
10	63.1	62.2	61.9	61.6	61.4	61.3	61.1	60.5	60.0	59.3	58.9	58.5	58.3	58.9	59.7	60.6	61.1
9	63.1	62.2	61.9	61.6	61.4	61.3	61.0	60.3	59.7	59.0	58.6	58.2	58.0	58.6	59.4	60.4	60.8
8	63.0	62.1	61.8	61.5	61.3	61.1	60.8	60.0	59.4	58.6	58.2	57.9	57.8	58.3	59.2	60.1	60.5
7	63.0	62.1	61.8	61.5	61.2	60.9	60.5	59.7	59.0	58.2	57.9	57.7	57.6	58.1	58.9	59.9	60.3
6	62.9	62.1	61.8	61.4	61.0	60.7	60.1	59.4	58.7	58.0	57.7	57.6	57.5	57.9	58.8	59.8	60.2
5	62.9	62.1	61.7	61.3	60.8	60.4	59.8	59.1	58.5	57.8	57.6	57.5	57.4	57.9	58.7	59.7	60.1
4	62.8	61.9	61.6	61.1	60.6	60.1	59.5	58.8	58.2	57.7	57.6	57.4	57.4	57.8	58.7	59.7	60.0
3	62.6	61.7	61.2	60.7	60.2	59.7	59.0	58.4	57.9	57.5	57.4	57.4	57.3	57.8	58.6	59.6	59.9
2	62.4	61.3	60.8	60.1	59.5	59.0	58.3	57.7	57.5	57.3	57.3	57.3	57.2	57.7	58.6	59.5	59.9
1	61.9	60.6	60.1	59.4	58.7	58.1	57.6	57.2	57.2	57.1	57.2	57.2	57.2	57.6	58.5	59.5	59.8
Max	63.7	62.5	62.0	61.6	61.5	61.4	61.2	60.7	60.4	59.9	59.7	59.4	59.3	59.9	60.8	61.7	62.3
Min	61.9	60.6	60.1	59.4	58.7	58.1	57.6	57.2	57.2	57.1	57.2	57.2	57.2	57.6	58.5	59.5	59.8

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R616c	R616d	R617a	R617b	R617c	R618a	R618b	R618c	R618d	R619a	R619b	R620a	R620b	R621a	R621b	R621c	R621d
40																	
39																	
38	62.4	62.4	60.2	59.1	58.9	58.6	55.6	52.7	53.0	53.9	54.2	54.9	56.3	57.1	57.6	59.9	60.3
37	62.4	62.4	60.2	59.1	59.0	58.7	55.6	52.6	52.9	53.8	54.1	54.8	56.2	57.0	57.6	59.8	60.3
36	62.4	62.5	60.3	59.2	59.0	58.7	55.6	52.5	52.8	53.8	54.0	54.7	56.2	57.0	57.5	59.8	60.2
35	62.5	62.5	60.3	59.2	59.0	58.8	55.6	52.4	52.7	53.7	53.9	54.7	56.1	57.0	57.5	59.8	60.2
34	62.5	62.5	60.4	59.2	59.1	58.8	55.6	52.4	52.6	53.7	53.9	54.6	56.1	56.9	57.5	59.7	60.2
33	62.5	62.6	60.4	59.3	59.2	58.8	55.6	52.3	52.6	53.6	53.8	54.6	56.0	56.8	57.4	59.7	60.1
32	62.6	62.6	60.5	59.3	59.2	58.9	55.7	52.3	52.5	53.5	53.7	54.5	55.9	56.8	57.3	59.7	60.1
31	62.6	62.6	60.5	59.4	59.2	58.9	55.6	52.2	52.4	53.4	53.7	54.5	55.9	56.8	57.3	59.6	60.1
30	62.6	62.7	60.5	59.4	59.3	59.0	55.7	52.1	52.4	53.4	53.6	54.4	55.8	56.7	57.2	59.6	60.0
29	62.7	62.7	60.5	59.5	59.3	59.0	55.7	52.0	52.3	53.3	53.5	54.3	55.7	56.6	57.2	59.5	60.0
28	62.7	62.7	60.6	59.5	59.3	59.1	55.7	52.0	52.2	53.2	53.5	54.3	55.7	56.5	57.1	59.5	59.9
27	62.7	62.7	60.6	59.5	59.4	59.1	55.7	51.9	52.2	53.1	53.4	54.2	55.6	56.5	57.0	59.4	59.8
26	62.7	62.7	60.6	59.6	59.4	59.1	55.7	51.8	52.0	53.0	53.3	54.1	55.5	56.4	56.9	59.3	59.8
25	62.7	62.7	60.7	59.6	59.5	59.2	55.7	51.7	51.9	52.9	53.2	54.0	55.4	56.2	56.8	59.2	59.7
24	62.7	62.8	60.7	59.7	59.5	59.2	55.7	51.5	51.8	52.8	53.0	53.8	55.2	56.1	56.7	59.2	59.6
23	62.7	62.7	60.7	59.7	59.5	59.2	55.7	51.4	51.6	52.6	52.9	53.6	55.1	56.0	56.5	59.0	59.4
22	62.7	62.7	60.7	59.7	59.5	59.2	55.7	51.2	51.5	52.4	52.7	53.5	54.9	55.8	56.4	58.9	59.3
21	62.7	62.7	60.7	59.7	59.6	59.3	55.7	51.0	51.3	52.3	52.5	53.3	54.7	55.6	56.2	58.8	59.1
20	62.7	62.7	60.7	59.7	59.6	59.2	55.7	50.8	51.1	52.1	52.3	53.1	54.5	55.4	56.0	58.6	59.0
19	62.6	62.7	60.7	59.8	59.6	59.3	55.7	50.6	50.8	51.8	52.0	52.8	54.3	55.2	55.7	58.4	58.8
18	62.6	62.6	60.7	59.7	59.6	59.2	55.7	50.3	50.5	51.6	51.8	52.5	54.0	54.9	55.5	58.1	58.5
17	62.5	62.5	60.7	59.7	59.6	59.2	55.7	50.1	50.3	51.3	51.5	52.2	53.7	54.6	55.2	57.9	58.3
16	62.4	62.5	60.6	59.7	59.5	59.2	55.7	49.8	50.0	51.0	51.2	52.0	53.4	54.4	54.9	57.6	58.0
15	62.3	62.4	60.6	59.7	59.5	59.2	55.5	49.6	49.8	50.8	51.0	51.7	53.2	54.1	54.7	57.4	57.8
14	62.2	62.2	60.6	59.7	59.5	59.2	55.5	49.3	49.5	50.5	50.7	51.5	52.9	53.8	54.4	57.0	57.4
13	62.0	62.1	60.4	59.6	59.4	59.1	55.4	49.0	49.2	50.2	50.4	51.1	52.6	53.5	54.0	56.7	57.0
12	61.9	62.0	60.4	59.6	59.3	59.1	55.1	48.7	48.9	49.9	50.1	50.8	52.3	53.2	53.7	56.3	56.7
11	61.7	61.8	60.2	59.5	59.2	58.9	54.8	48.5	48.7	49.7	49.9	50.6	52.1	53.0	53.5	56.0	56.4
10	61.5	61.6	60.0	59.3	59.0	58.7	54.4	48.1	48.3	49.3	49.5	50.2	51.7	52.6	53.1	55.7	56.0
9	61.2	61.3	59.8	59.0	58.8	58.5	54.0	47.8	48.0	48.9	49.1	49.9	51.3	52.2	52.8	55.3	55.7
8	61.0	61.1	59.6	58.9	58.7	58.4	53.8	47.4	47.6	48.6	48.8	49.5	51.0	51.9	52.4	54.9	55.2
7	60.7	60.8	59.4	58.7	58.6	58.3	53.7	47.1	47.3	48.3	48.5	49.3	50.7	51.6	52.1	54.4	54.8
6	60.5	60.7	59.3	58.7	58.5	58.3	53.6	46.9	47.1	48.1	48.3	49.0	50.5	51.4	51.9	54.1	54.5
5	60.4	60.5	59.2	58.7	58.5	58.2	53.5	46.8	46.9	47.8	48.1	48.8	50.2	51.1	51.6	53.8	54.2
4	60.3	60.5	59.2	58.7	58.5	58.2	53.5	46.5	46.7	47.6	47.9	48.6	50.0	50.9	51.4	53.5	53.9
3	60.3	60.4	59.2	58.7	58.5	58.2	53.5	46.4	46.6	47.5	47.8	48.4	49.9	50.8	51.3	53.3	53.7
2	60.2	60.4	59.2	58.6	58.5	58.2	53.4	46.3	46.5	47.5	47.7	48.4	49.8	50.7	51.2	53.1	53.6
1	60.2	60.3	59.1	58.6	58.5	58.2	53.5	46.2	46.4	47.4	47.6	48.2	49.6	50.5	51.0	52.9	53.3
Max	62.7	62.8	60.7	59.8	59.6	59.3	55.7	52.7	53.0	53.9	54.2	54.9	56.3	57.1	57.6	59.9	60.3
Min	60.2	60.3	59.1	58.6	58.5	58.2	53.4	46.2	46.4	47.4	47.6	48.2	49.6	50.5	51.0	52.9	53.3

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R701a	R702a	R702b	R702c	R703a	R703b	R703c	R704a	R704b	R704c	R705a	R705b	R706a	R706b	R706c	R707a	R707b
40																	
39																	
38																	
37																	
36																	
35																	
34																	
33																	
32	67.1	67.2	67.1	67.0	66.8	66.7	66.6	66.4	66.4	66.5	66.6	66.9	67.0	67.8	68.3	66.0	65.1
31	67.2	67.2	67.1	67.0	66.8	66.8	66.6	66.4	66.4	66.5	66.6	66.9	67.0	67.8	68.3	66.1	65.2
30	67.2	67.2	67.1	67.0	66.9	66.8	66.6	66.4	66.5	66.5	66.6	66.9	67.0	67.8	68.4	66.2	65.3
29	67.2	67.2	67.1	67.1	66.9	66.8	66.6	66.4	66.5	66.5	66.7	66.9	67.1	67.8	68.4	66.2	65.4
28	67.2	67.2	67.1	67.1	66.9	66.8	66.6	66.4	66.4	66.5	66.6	66.9	67.1	67.9	68.5	66.4	65.6
27	67.2	67.2	67.1	67.1	66.9	66.8	66.6	66.4	66.4	66.5	66.6	66.9	67.1	67.9	68.5	66.4	65.7
26	67.2	67.2	67.1	67.1	66.9	66.8	66.6	66.4	66.4	66.5	66.6	66.9	67.1	67.9	68.5	66.5	65.8
25	67.2	67.2	67.1	67.1	66.9	66.8	66.6	66.3	66.4	66.5	66.6	66.9	67.0	67.9	68.6	66.6	65.9
24	67.1	67.2	67.1	67.0	66.8	66.7	66.6	66.3	66.4	66.4	66.6	66.8	67.0	67.9	68.6	66.7	66.0
23	67.1	67.1	67.0	67.0	66.8	66.7	66.5	66.3	66.3	66.4	66.5	66.8	67.0	67.9	68.7	66.8	66.1
22	67.0	67.1	67.0	66.9	66.8	66.7	66.5	66.2	66.3	66.3	66.5	66.8	67.0	67.9	68.7	66.9	66.3
21	66.9	67.0	66.9	66.8	66.7	66.6	66.4	66.1	66.2	66.3	66.4	66.7	66.9	67.8	68.7	67.1	66.4
20	66.9	66.9	66.8	66.8	66.7	66.5	66.4	66.0	66.1	66.2	66.4	66.6	66.9	67.7	68.7	67.2	66.6
19	66.8	66.8	66.7	66.7	66.6	66.5	66.3	65.9	66.0	66.1	66.2	66.6	66.8	67.7	68.8	67.3	66.7
18	66.7	66.7	66.6	66.6	66.5	66.4	66.2	65.8	65.9	65.9	66.1	66.4	66.7	67.6	68.8	67.4	66.9
17	66.6	66.6	66.5	66.5	66.4	66.2	66.0	65.6	65.7	65.8	66.0	66.3	66.5	67.6	68.8	67.6	67.1
16	66.4	66.5	66.4	66.3	66.2	66.1	65.9	65.4	65.5	65.6	65.8	66.2	66.4	67.5	68.8	67.7	67.2
15	66.2	66.3	66.2	66.1	66.0	65.9	65.7	65.2	65.3	65.4	65.6	65.9	66.2	67.3	68.8	67.8	67.4
14	66.0	66.1	66.0	65.9	65.8	65.7	65.4	64.9	65.0	65.1	65.3	65.7	66.0	67.2	68.7	68.0	67.5
13	65.8	65.8	65.7	65.7	65.5	65.4	65.1	64.6	64.7	64.7	65.0	65.4	65.7	67.0	68.7	68.1	67.7
12	65.5	65.5	65.4	65.4	65.2	65.1	64.8	64.2	64.3	64.4	64.6	65.1	65.4	66.9	68.7	68.3	67.9
11	65.2	65.3	65.2	65.1	65.0	64.8	64.5	63.9	64.0	64.0	64.3	64.8	65.1	66.7	68.7	68.5	68.1
10	64.9	65.0	64.9	64.8	64.7	64.5	64.2	63.5	63.6	63.6	63.9	64.5	64.8	66.6	68.7	68.6	68.3
9	64.7	64.8	64.7	64.6	64.4	64.3	63.9	63.1	63.2	63.2	63.5	64.2	64.6	66.4	68.8	68.8	68.6
8	64.4	64.5	64.4	64.3	64.2	64.0	63.6	62.7	62.8	62.8	63.2	63.9	64.3	66.3	68.8	69.0	68.8
7	64.2	64.3	64.2	64.1	63.9	63.8	63.3	62.3	62.4	62.5	62.8	63.6	64.1	66.3	68.9	69.3	69.0
6	64.1	64.2	64.0	64.0	63.8	63.6	63.1	61.9	62.1	62.1	62.5	63.4	63.9	66.2	69.0	69.5	69.2
5	63.9	64.0	63.9	63.8	63.6	63.4	62.9	61.7	61.8	61.9	62.3	63.2	63.8	66.2	69.2	69.7	69.5
4	63.8	63.9	63.7	63.6	63.4	63.3	62.7	61.4	61.5	61.5	62.0	63.0	63.6	66.2	69.3	70.0	69.8
3	63.7	63.8	63.6	63.5	63.2	63.0	62.4	61.0	61.1	61.2	61.8	62.8	63.4	66.2	69.3	70.2	70.0
2	63.6	63.7	63.5	63.4	63.1	62.7	61.8	60.4	60.6	60.7	61.4	62.6	63.3	66.3	69.5	70.3	69.3
1	62.9	63.5	63.3	63.2	62.9	62.5	61.0	59.4	59.5	59.6	60.0	61.1	62.8	66.3	69.6	66.3	62.4
Max	67.2	67.2	67.1	67.1	66.9	66.8	66.6	66.4	66.5	66.5	66.7	66.9	67.1	67.9	69.6	70.3	70.0
Min	62.9	63.5	63.3	63.2	62.9	62.5	61.0	59.4	59.5	59.6	60.0	61.1	62.8	66.2	68.3	66.0	62.4

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R707c	R708a	R708b	R708c	R708d	R709a	R709b	R709c	R710a	R710b	R710c	R711a	R711b	R712a	R712b	R713a	R713b
40																	
39																	
38																	
37																	
36																	
35																	
34																	
33																	
32	65.0	64.6	64.8	64.7	64.7	64.9	65.1	65.3	65.5	65.6	65.8	54.6	<40	<40	<40	<40	<40
31	65.1	64.6	64.9	64.8	64.8	65.0	65.2	65.4	65.6	65.7	65.9	54.7	<40	<40	<40	<40	<40
30	65.1	64.7	65.0	64.9	64.9	65.1	65.3	65.5	65.7	65.8	66.0	54.8	<40	<40	<40	<40	<40
29	65.3	64.8	65.1	65.0	65.0	65.2	65.4	65.6	65.8	65.9	66.1	54.9	<40	<40	<40	<40	<40
28	65.4	65.0	65.2	65.1	65.1	65.3	65.5	65.7	65.9	66.0	66.2	55.0	<40	<40	<40	<40	<40
27	65.5	65.1	65.3	65.2	65.2	65.4	65.7	65.8	66.0	66.1	66.3	55.2	<40	<40	<40	<40	<40
26	65.6	65.2	65.5	65.4	65.3	65.6	65.8	65.9	66.1	66.2	66.4	55.3	<40	<40	<40	<40	<40
25	65.7	65.3	65.6	65.5	65.4	65.7	65.9	66.0	66.2	66.3	66.5	55.4	<40	<40	<40	<40	<40
24	65.9	65.4	65.7	65.6	65.5	65.8	66.0	66.2	66.3	66.4	66.6	55.5	<40	<40	<40	<40	<40
23	66.0	65.6	65.8	65.7	65.7	65.9	66.1	66.3	66.4	66.5	66.7	55.7	<40	<40	<40	<40	<40
22	66.1	65.7	66.0	65.9	65.8	66.1	66.2	66.4	66.5	66.6	66.8	55.8	<40	<40	<40	<40	<40
21	66.3	65.8	66.1	66.0	65.9	66.2	66.4	66.6	66.7	66.8	66.9	55.9	<40	<40	<40	<40	<40
20	66.4	66.0	66.2	66.1	66.1	66.4	66.5	66.6	66.8	66.9	67.0	56.1	<40	<40	<40	<40	<40
19	66.5	66.1	66.3	66.3	66.2	66.5	66.7	66.8	66.9	67.0	67.2	56.2	<40	<40	<40	<40	<40
18	66.7	66.2	66.5	66.4	66.3	66.6	66.8	66.9	67.1	67.1	67.3	56.4	<40	<40	<40	<40	<40
17	66.8	66.4	66.7	66.6	66.5	66.8	66.9	67.1	67.2	67.3	67.4	56.5	<40	<40	<40	<40	<40
16	67.0	66.6	66.8	66.7	66.7	67.0	67.1	67.2	67.3	67.4	67.5	56.7	<40	<40	<40	<40	<40
15	67.2	66.7	67.0	66.9	66.8	67.1	67.3	67.4	67.5	67.6	67.7	56.8	<40	<40	<40	<40	<40
14	67.3	66.9	67.1	67.1	67.0	67.3	67.4	67.5	67.6	67.7	67.8	57.0	<40	<40	<40	<40	<40
13	67.5	67.1	67.3	67.2	67.1	67.4	67.6	67.7	67.8	67.9	68.0	57.2	<40	<40	<40	<40	<40
12	67.7	67.3	67.5	67.4	67.3	67.6	67.7	67.9	68.0	68.0	68.1	57.4	<40	<40	<40	<40	<40
11	67.9	67.4	67.7	67.6	67.5	67.8	67.9	68.0	68.1	68.2	68.3	57.6	<40	<40	<40	<40	<40
10	68.1	67.7	67.9	67.8	67.7	68.0	68.1	68.2	68.3	68.4	68.5	57.8	<40	<40	<40	<40	<40
9	68.3	67.9	68.1	67.9	67.8	68.2	68.3	68.4	68.5	68.6	68.7	57.9	<40	<40	<40	<40	<40
8	68.5	68.1	68.3	68.1	68.1	68.4	68.5	68.6	68.7	68.8	68.9	58.1	<40	<40	<40	<40	<40
7	68.8	68.3	68.5	68.4	68.3	68.6	68.7	68.8	68.9	69.0	69.1	58.4	<40	<40	<40	<40	<40
6	69.0	68.5	68.7	68.5	68.4	68.8	68.9	69.0	69.1	69.2	69.3	58.6	<40	<40	<40	<40	<40
5	69.2	68.7	68.9	68.6	68.4	69.0	69.1	69.3	69.3	69.4	69.6	58.8	<40	<40	<40	<40	<40
4	69.5	68.8	68.8	68.3	67.6	68.8	69.2	69.4	69.6	69.6	69.8	59.0	<40	<40	<40	<40	<40
3	69.4	68.0	67.3	66.2	65.0	67.4	68.6	69.2	69.6	69.8	70.0	59.3	<40	<40	<40	<40	<40
2	67.0	63.5	63.0	62.0	61.1	63.2	64.7	66.2	67.9	69.2	70.1	59.5	<40	<40	<40	<40	<40
1	59.7	57.1	56.8	56.0	55.3	56.8	58.0	59.0	60.3	61.8	65.1	57.4	<40	<40	<40	<40	<40
Max	69.5	68.8	68.9	68.6	68.4	69.0	69.2	69.4	69.6	69.8	70.1	59.5	<40	<40	<40	<40	<40
Min	59.7	57.1	56.8	56.0	55.3	56.8	58.0	59.0	60.3	61.8	65.1	54.6	<40	<40	<40	<40	<40

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R714a	R715a	R716a	R716b	R717a	R717b	R718a	R718b	R718c	R801a	R801b	R802a	R802b	R802c	R802d	R803a	R803b
40																	
39																	
38										66.3	66.4	66.5	66.7	65.6	63.5	63.3	62.7
37										66.3	66.4	66.5	66.7	65.7	63.4	63.2	62.7
36										66.3	66.4	66.5	66.7	65.7	63.4	63.2	62.6
35										66.4	66.4	66.6	66.7	65.7	63.4	63.2	62.6
34										66.5	66.5	66.6	66.8	65.8	63.4	63.2	62.6
33										66.6	66.6	66.7	66.9	65.8	63.4	63.2	62.6
32	<40	<40	<40	<40	<40	45.6	51.6	53.6	58.7	66.6	66.6	66.7	66.9	65.9	63.5	63.2	62.6
31	<40	<40	<40	<40	<40	45.7	51.7	53.7	58.7	66.7	66.8	66.8	67.0	65.9	63.5	63.2	62.6
30	<40	<40	<40	<40	<40	45.9	51.8	53.8	58.7	66.8	66.8	66.9	67.0	66.0	63.5	63.3	62.7
29	<40	<40	<40	<40	<40	46.0	52.0	53.9	58.7	66.9	66.9	67.0	67.1	66.1	63.6	63.3	62.7
28	<40	<40	<40	<40	<40	46.1	52.1	54.0	58.9	67.0	67.0	67.1	67.2	66.1	63.6	63.3	62.7
27	<40	<40	<40	<40	<40	46.2	52.2	54.1	58.9	67.1	67.1	67.1	67.2	66.2	63.6	63.4	62.8
26	<40	<40	<40	<40	<40	46.3	52.3	54.2	58.9	67.2	67.2	67.2	67.3	66.3	63.7	63.4	62.8
25	<40	<40	<40	<40	<40	46.5	52.4	54.4	58.9	67.3	67.3	67.3	67.4	66.4	63.8	63.5	62.9
24	<40	<40	<40	<40	<40	46.6	52.5	54.5	59.0	67.4	67.4	67.4	67.5	66.5	63.8	63.6	63.0
23	<40	<40	<40	<40	<40	46.7	52.7	54.6	59.0	67.5	67.5	67.5	67.6	66.6	63.9	63.7	63.1
22	<40	<40	<40	<40	<40	46.9	52.8	54.7	59.1	67.6	67.6	67.6	67.7	66.7	64.0	63.8	63.1
21	<40	<40	<40	<40	<40	47.0	52.9	54.9	59.1	67.8	67.7	67.7	67.8	66.8	64.1	63.8	63.3
20	<40	<40	<40	<40	<40	47.2	53.0	55.0	59.1	67.9	67.9	67.9	67.9	66.9	64.2	63.9	63.3
19	<40	<40	<40	<40	<40	47.3	53.2	55.1	59.1	68.0	68.0	68.0	68.0	67.1	64.4	64.1	63.5
18	<40	<40	<40	<40	<40	47.5	53.4	55.2	59.1	68.2	68.2	68.1	68.2	67.3	64.5	64.2	63.6
17	<40	<40	<40	<40	<40	47.7	53.5	55.4	59.1	68.3	68.3	68.3	68.3	67.4	64.6	64.4	63.8
16	<40	<40	<40	<40	<40	47.8	53.6	55.5	59.1	68.5	68.5	68.5	68.5	67.6	64.8	64.6	64.0
15	<40	<40	<40	<40	<40	48.0	53.8	55.7	59.1	68.7	68.6	68.6	68.7	67.7	65.0	64.7	64.1
14	<40	<40	<40	<40	<40	48.1	53.9	55.8	59.0	68.8	68.8	68.8	68.8	67.9	65.2	64.9	64.3
13	<40	<40	<40	<40	<40	48.3	54.1	56.0	59.0	69.0	69.0	69.0	69.0	68.1	65.3	65.1	64.5
12	<40	<40	<40	<40	<40	48.5	54.3	56.1	58.9	69.2	69.2	69.1	69.2	68.3	65.5	65.3	64.6
11	<40	<40	<40	<40	<40	48.8	54.5	56.3	58.9	69.4	69.4	69.3	69.4	68.5	65.7	65.4	64.8
10	<40	<40	<40	<40	<40	49.0	54.6	56.5	58.9	69.6	69.6	69.6	69.6	68.8	65.9	65.7	65.0
9	<40	<40	<40	<40	<40	49.2	54.8	56.6	58.9	69.8	69.8	69.8	69.8	69.0	66.2	65.9	65.2
8	<40	<40	<40	<40	<40	49.4	55.0	56.8	58.8	70.1	70.1	70.0	70.1	69.2	66.4	66.1	65.4
7	<40	<40	<40	<40	<40	49.6	55.2	56.9	58.8	70.3	70.3	70.3	70.3	69.5	66.6	66.3	65.6
6	<40	<40	<40	<40	<40	49.9	55.4	57.1	58.8	**68.1**	**66.6**	**68.0**	**66.5**	69.7	66.8	66.6	65.9
5	<40	<40	<40	<40	<40	50.2	55.5	57.2	58.8	**68.3**	**66.8**	**68.3**	**66.8**	70.0	67.1	66.8	66.1
4	<40	<40	<40	<40	<40	50.3	55.6	57.1	58.4	**68.6**	**67.1**	**68.6**	**67.1**	70.3	67.4	67.1	66.3
3	<40	<40	<40	<40	<40	49.9	54.6	55.9	57.5	**68.9**	**67.4**	**68.8**	**67.4**	**66.6**	67.6	67.3	66.5
2	<40	<40	<40	<40	<40	44.9	49.3	53.5	56.9	**69.2**	**67.7**	**69.2**	**67.7**	**66.9**	67.9	67.6	66.7
1	<40	<40	<40	<40	<40	<40	42.7	52.2	56.6	**69.5**	**68.0**	**69.5**	**68.0**	**67.2**	68.1	67.8	66.6
Max	<40	<40	<40	<40	<40	50.3	55.6	57.2	59.1	70.3	70.3	70.3	70.3	70.3	68.1	67.8	66.7
Min	<40	<40	<40	<40	<40	<40	42.7	52.2	56.6	66.3	66.4	66.5	66.5	65.6	63.4	63.2	62.6

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R803c	R803d	R804a	R804b	R804c	R805a	R805b	R806a	R806b	R807a	R807b	R808a	R808b	R809a	R809b	R809c	R809d
40																	
39																	
38	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.1	57.4
37	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.1	57.4
36	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.1	57.5
35	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.2	57.5
34	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.2	57.5
33	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.3	57.6
32	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.3	57.6
31	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.3	57.7
30	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.4	57.7
29	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.4	57.8
28	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.5	57.8
27	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.5	57.9
26	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.6	57.9
25	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.6	58.0
24	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.7	58.0
23	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.7	58.1
22	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.8	58.1
21	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.9	58.2
20	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.9	58.2
19	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.0	58.3
18	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.0	58.3
17	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.1	58.4
16	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.1	58.4
15	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.2	58.5
14	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.2	58.6
13	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.3	58.6
12	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.4	58.7
11	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.4	58.8
10	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.5	58.9
9	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.6	59.0
8	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.7	59.1
7	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	57.9	59.2
6	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	58.0	59.4
5	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	58.2	59.5
4	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	58.3	59.7
3	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	58.4	59.8
2	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	58.5	59.9
1	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	58.4	59.9
Max	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	58.5	59.9
Min	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	56.1	57.4

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R810a	R810b	R810c	R810d	R811a	R811b	R812a	R812b	R813a	R813b	R813c	R813d	R813e	R901a	R901b	R902a	R902b
40																	
39																	
38	57.7	61.9	64.1	64.1	64.2	64.3	64.4	64.6	65.6	65.9	66.0	66.3	66.3				
37	57.7	61.9	64.1	64.1	64.2	64.4	64.5	64.6	65.7	65.9	66.1	66.4	66.3				
36	57.7	62.0	64.2	64.2	64.3	64.5	64.5	64.7	65.7	66.0	66.2	66.5	66.4				
35	57.8	62.1	64.3	64.3	64.4	64.5	64.6	64.8	65.8	66.1	66.2	66.5	66.5				
34	57.8	62.1	64.3	64.4	64.5	64.6	64.7	64.8	65.9	66.1	66.3	66.6	66.6				
33	57.9	62.2	64.4	64.4	64.5	64.7	64.7	64.9	65.9	66.2	66.4	66.7	66.7				
32	57.9	62.3	64.5	64.5	64.6	64.8	64.8	65.0	66.0	66.3	66.5	66.8	66.7				
31	57.9	62.4	64.6	64.6	64.7	64.8	64.9	65.1	66.1	66.4	66.5	66.9	66.8				
30	58.0	62.4	64.7	64.7	64.8	64.9	65.0	65.2	66.2	66.5	66.6	67.0	66.9				
29	58.0	62.5	64.8	64.8	64.9	65.0	65.1	65.2	66.3	66.6	66.7	67.1	67.0				
28	58.1	62.6	64.8	64.9	65.0	65.1	65.1	65.3	66.4	66.6	66.8	67.1	67.1				
27	58.2	62.7	64.9	65.0	65.1	65.2	65.2	65.4	66.4	66.7	66.9	67.2	67.2				
26	58.2	62.8	65.0	65.1	65.2	65.2	65.3	65.5	66.5	66.8	67.0	67.3	67.3				
25	58.3	62.9	65.1	65.1	65.2	65.3	65.4	65.6	66.7	66.9	67.1	67.4	67.4				
24	58.3	62.9	65.2	65.2	65.3	65.5	65.5	65.6	66.7	67.0	67.2	67.5	67.5				
23	58.4	63.0	65.3	65.3	65.5	65.6	65.6	65.8	66.8	67.1	67.3	67.6	67.6				
22	58.4	63.1	65.4	65.5	65.6	65.6	65.7	65.9	67.0	67.2	67.4	67.8	67.8				
21	58.5	63.2	65.5	65.6	65.7	65.8	65.8	66.0	67.0	67.4	67.5	67.8	67.9				
20	58.5	63.3	65.7	65.7	65.8	65.9	65.9	66.1	67.2	67.5	67.6	68.0	68.0				
19	58.6	63.4	65.8	65.8	65.9	66.0	66.1	66.2	67.3	67.6	67.7	68.1	68.2				
18	58.7	63.5	65.9	65.9	66.0	66.1	66.2	66.3	67.4	67.7	67.9	68.2	68.3				
17	58.7	63.6	66.0	66.1	66.2	66.2	66.3	66.5	67.6	67.8	68.1	68.4	68.4				
16	58.8	63.7	66.1	66.2	66.3	66.4	66.4	66.6	67.7	68.0	68.2	68.6	68.6				
15	58.8	63.9	66.3	66.3	66.5	66.5	66.6	66.7	67.8	68.2	68.3	68.7	68.8				
14	58.9	64.0	66.4	66.5	66.6	66.7	66.7	66.8	68.0	68.3	68.5	68.9	68.9				
13	59.0	64.1	66.5	66.6	66.7	66.8	66.8	67.0	68.2	68.5	68.7	69.1	69.1				
12	59.0	64.2	66.7	66.8	66.9	66.9	67.0	67.2	68.3	68.6	68.8	69.2	69.3				
11	59.2	64.3	66.8	66.9	67.0	67.1	67.2	67.3	68.5	68.8	69.0	69.4	69.5				
10	59.3	64.5	67.0	67.1	67.2	67.3	67.3	67.5	68.7	69.0	69.2	69.6	69.7				
9	59.4	64.6	67.1	67.2	67.3	67.4	67.5	67.7	68.9	69.2	69.4	69.9	69.9	49.0	49.0	49.0	49.0
8	59.5	64.8	67.3	67.4	67.5	67.6	67.7	67.8	69.1	69.4	69.7	70.1	70.2	49.0	49.0	49.0	49.0
7	59.6	64.9	67.5	67.6	67.7	67.8	67.9	68.0	69.3	69.7	69.9	70.3	70.4	49.0	49.0	49.0	49.0
6	59.8	65.1	67.6	67.7	67.9	68.0	68.1	68.2	69.5	69.9	70.1	**66.6**	**66.7**	49.0	49.0	49.0	49.0
5	59.9	65.2	67.8	67.9	68.0	68.1	68.2	68.4	69.7	70.1	70.4	**66.9**	**67.0**	49.0	49.0	49.0	49.0
4	60.0	65.4	67.9	68.1	68.2	68.3	68.4	68.7	70.0	70.4	**68.1**	**67.2**	**67.3**	49.0	49.0	49.0	49.0
3	60.2	65.5	68.1	68.2	68.4	68.5	68.6	68.8	70.2	**66.6**	**68.4**	**67.5**	**67.6**	49.0	49.0	49.0	49.0
2	60.3	65.6	68.2	68.4	68.6	68.7	68.8	69.0	70.4	**66.9**	**68.7**	**67.8**	**67.9**	49.0	49.0	49.0	49.0
1	60.3	65.8	68.2	68.4	68.6	68.8	69.0	69.2	**66.7**	**67.1**	**69.0**	**68.1**	**68.2**	49.0	49.0	49.0	49.0
Max	60.3	65.8	68.2	68.4	68.6	68.8	69.0	69.2	70.4	70.4	70.4	70.3	70.4	49.0	49.0	49.0	49.0
Min	57.7	61.9	64.1	64.1	64.2	64.3	64.4	64.6	65.6	65.9	66.0	66.3	66.3	49.0	49.0	49.0	49.0

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R903a	R903b	R904a	R904b	R904c	R904d	R905a	R905b	R905c	R905d	R906a	R906b	R907a	R907b	R908a	R908b	R909a
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9	49.0	49.0	49.0	49.8	49.5	49.0	50.0	49.8	59.0	59.4	59.6	59.8	60.3	60.7	61.1	61.5	61.9
8	49.0	49.0	49.0	49.7	49.5	49.0	49.9	49.7	58.7	59.2	59.4	59.7	60.2	60.6	61.2	61.5	62.0
7	49.0	49.0	49.0	49.7	49.5	49.0	49.8	49.7	58.4	59.0	59.1	59.4	60.0	60.5	61.1	61.4	62.0
6	49.0	49.0	49.0	49.6	49.5	49.0	49.8	49.6	57.8	58.4	58.6	59.0	59.7	60.2	60.8	61.2	61.9
5	49.1	49.0	49.0	49.6	49.4	49.0	49.7	49.6	57.2	57.9	58.1	58.4	59.2	59.8	60.5	60.9	61.6
4	49.1	49.0	49.0	49.6	49.4	49.0	49.7	49.6	56.2	57.0	57.2	57.6	58.5	59.1	59.9	60.4	61.1
3	49.1	49.0	49.0	49.6	49.4	49.0	49.6	49.5	54.5	55.4	55.8	56.3	57.4	58.2	59.1	59.5	60.4
2	49.1	49.0	49.0	49.6	49.4	49.0	49.6	49.5	52.3	53.3	53.7	54.1	55.5	56.4	57.5	58.3	59.3
1	49.1	49.0	49.0	49.6	49.4	48.9	49.6	49.5	50.1	50.9	51.3	51.3	52.5	53.7	54.9	55.7	57.1
Max	49.1	49.0	49.0	49.8	49.5	49.0	50.0	49.8	59.0	59.4	59.6	59.8	60.3	60.7	61.2	61.5	62.0
Min	49.0	49.0	49.0	49.6	49.4	48.9	49.6	49.5	50.1	50.9	51.3	51.3	52.5	53.7	54.9	55.7	57.1

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R909b	R910a	R910b	R911a	R911b	R912a	R912b	R913a	R913b	R914a	R914b	R914c	R915a	R915b	R915c	R915d	R916a
40																	
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10																	
9	62.9	63.9	64.7	65.0	65.4	64.2	64.5	65.0	66.1	66.6	66.9	66.8	66.7	66.9	65.0	62.4	61.3
8	63.0	64.0	64.9	65.1	65.5	64.3	64.6	65.1	66.2	66.8	67.0	67.0	66.9	67.0	65.1	62.5	61.5
7	63.0	64.1	64.9	65.3	65.6	64.4	64.7	65.2	66.4	66.9	67.2	67.1	67.0	67.1	65.3	62.6	61.6
6	63.0	64.1	65.0	65.4	65.7	64.5	64.8	65.3	66.5	67.1	67.4	67.3	67.2	67.3	65.4	62.8	61.7
5	62.8	64.0	65.0	65.4	65.8	64.4	64.9	65.4	66.6	67.2	67.5	67.4	67.3	67.4	65.5	62.9	61.8
4	62.5	63.8	64.9	65.3	65.8	64.3	64.8	65.4	66.7	67.4	67.7	67.6	67.4	67.5	65.6	63.0	62.0
3	62.0	63.5	64.7	65.1	65.6	64.1	64.6	65.2	66.7	67.4	67.8	67.6	67.5	67.6	65.7	63.1	62.1
2	61.3	63.0	64.3	64.8	65.4	63.8	64.4	65.0	66.6	67.3	67.8	67.7	67.5	67.6	65.9	63.3	62.2
1	59.7	62.1	63.7	64.3	65.0	63.0	63.7	64.6	66.4	67.2	67.7	67.7	67.5	67.6	66.0	63.4	62.3
Max	63.0	64.1	65.0	65.4	65.8	64.5	64.9	65.4	66.7	67.4	67.8	67.7	67.5	67.6	66.0	63.4	62.3
Min	59.7	62.1	63.7	64.3	65.0	63.0	63.7	64.6	66.1	66.6	66.9	66.8	66.7	66.9	65.0	62.4	61.3

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R916b	R917a	R917b	R918a	R918b	R918c	R918d	R918e	R919a	R919b	R1001a	R1001b	R1002a	R1002b	R1003a	R1003b	R1003c
40																	
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32																	
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27																	
26																	
25											59.7	59.8	60.2	61.0	61.2	63.5	65.2
24											59.5	59.6	60.0	60.8	61.0	63.3	64.9
23											59.2	59.3	59.7	60.5	60.7	62.9	64.6
22											58.8	58.9	59.3	60.1	60.3	62.5	64.2
21											58.2	58.3	58.7	59.5	59.7	62.0	63.8
20											57.6	57.6	58.1	58.9	59.1	61.5	63.3
19											56.9	57.0	57.4	58.3	58.5	61.1	62.8
18											56.1	56.2	56.7	57.6	57.8	60.4	62.3
17											55.4	55.4	56.0	57.0	57.2	59.8	61.8
16											54.7	54.7	55.3	56.4	56.6	59.2	61.2
15											54.0	54.0	54.7	55.8	56.0	58.7	60.7
14											53.4	53.4	54.1	55.3	55.4	58.2	60.3
13											52.8	52.8	53.6	54.8	54.9	57.8	59.8
12											52.3	52.3	53.1	54.3	54.5	57.5	59.5
11											51.8	51.8	52.7	53.9	54.1	57.3	59.3
10											51.5	51.5	52.3	53.5	53.7	56.8	58.8
9	60.2	59.9	59.9	59.6	59.2	59.1	59.1	49.8	49.0	49.0	50.9	50.9	51.7	52.9	53.1	56.2	58.2
8	60.3	60.0	60.0	59.8	59.2	59.2	59.2	49.7	49.0	49.0	50.3	50.3	51.2	52.4	52.6	55.7	57.8
7	60.4	60.1	60.1	59.9	59.4	59.3	59.3	49.7	49.0	49.0	49.8	49.8	50.8	52.0	52.2	55.4	57.4
6	60.5	60.3	60.2	60.0	59.5	59.4	59.4	49.7	49.0	49.0	49.4	49.4	50.3	51.6	51.8	55.0	57.1
5	60.7	60.4	60.3	60.1	59.6	59.5	59.5	49.7	49.0	49.0	49.0	49.0	49.9	51.3	51.5	54.7	56.8
4	60.8	60.5	60.4	60.2	59.7	59.6	59.6	49.6	49.0	49.0	48.6	48.6	49.5	51.0	51.1	54.3	56.4
3	60.9	60.6	60.6	60.3	59.8	59.7	59.7	49.6	49.0	49.0	48.3	48.2	49.2	50.5	50.7	53.9	56.1
2	61.0	60.7	60.7	60.4	59.9	59.8	59.8	49.6	49.0	49.0	47.9	47.9	48.9	50.2	50.3	53.6	55.7
1	61.2	60.9	60.8	60.5	60.0	59.9	59.9	49.6	49.0	49.0	47.6	47.6	48.6	49.8	50.0	53.3	55.4
Max	61.2	60.9	60.8	60.5	60.0	59.9	59.9	49.8	49.0	49.0	59.7	59.8	60.2	61.0	61.2	63.5	65.2
Min	60.2	59.9	59.9	59.6	59.2	59.1	59.1	49.6	49.0	49.0	47.6	47.6	48.6	49.8	50.0	53.3	55.4

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R1003d	R1004a	R1004b	R1004c	R1004d	R1005a	R1006a	R1006b	R1007a	R1007b	R1008a	R1008b	R1008c	R1008d	R1009a	R1009b	R1010a
40																	
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28																	
27																	
26																	
25	65.3	65.3	65.3	65.2	65.0	64.1	63.7	63.2	62.7	62.6	62.2	62.1	60.8	53.6	50.4	52.2	51.6
24	65.0	65.0	65.1	65.0	64.8	63.8	63.5	62.9	62.5	62.4	62.0	61.9	60.5	53.5	50.4	52.2	51.5
23	64.7	64.8	64.8	64.7	64.5	63.6	63.3	62.7	62.2	62.2	61.8	61.6	60.3	53.3	50.4	52.2	51.6
22	64.4	64.4	64.4	64.4	64.2	63.2	62.9	62.3	61.9	61.8	61.4	61.3	59.9	53.2	50.4	52.1	51.6
21	63.9	63.9	63.9	63.9	63.7	62.8	62.5	62.0	61.5	61.5	61.1	60.9	59.6	53.0	50.4	52.1	51.6
20	63.4	63.4	63.5	63.5	63.3	62.4	62.1	61.6	61.2	61.1	60.7	60.6	59.3	52.7	50.3	52.0	51.6
19	63.0	63.0	63.0	63.0	62.8	61.9	61.7	61.2	60.8	60.7	60.4	60.2	59.0	52.5	50.3	52.0	51.6
18	62.4	62.4	62.4	62.5	62.3	61.5	61.2	60.8	60.4	60.4	60.0	59.9	58.6	52.1	50.2	51.8	51.5
17	61.9	61.9	61.9	61.9	61.7	60.9	60.6	60.3	59.9	59.9	59.5	59.4	58.1	51.8	50.1	51.7	51.4
16	61.3	61.3	61.3	61.4	61.2	60.4	60.1	59.8	59.5	59.4	59.0	58.9	57.7	51.4	49.9	51.6	51.3
15	60.8	60.8	60.8	60.8	60.7	60.0	59.7	59.4	59.0	58.9	58.6	58.4	57.3	51.0	49.7	51.3	51.1
14	60.4	60.4	60.4	60.4	60.3	59.5	59.3	59.0	58.6	58.5	58.1	58.0	56.9	50.8	49.5	51.2	51.0
13	60.0	59.9	59.9	60.0	59.9	59.1	58.9	58.6	58.2	58.1	57.7	57.6	56.5	50.3	49.3	51.0	50.9
12	59.7	59.6	59.6	59.7	59.5	58.7	58.5	58.2	57.8	57.7	57.4	57.2	56.2	49.8	49.1	50.9	50.7
11	59.4	59.4	59.3	59.5	59.2	58.4	58.2	57.9	57.6	57.4	57.1	57.0	55.8	49.4	48.9	50.6	50.6
10	58.9	58.9	58.7	58.9	58.8	58.1	57.9	57.7	57.4	57.3	57.0	56.7	55.6	49.0	48.6	50.3	50.2
9	58.3	58.3	58.2	58.4	58.2	57.6	57.4	57.1	56.9	56.7	56.5	56.3	55.4	48.4	48.2	49.8	49.8
8	57.9	57.9	57.8	58.0	57.8	57.1	57.0	56.7	56.4	56.2	56.0	55.8	54.9	48.1	48.0	49.5	49.5
7	57.5	57.5	57.4	57.5	57.4	56.7	56.5	56.3	56.0	55.8	55.6	55.4	54.4	47.8	47.7	49.1	49.1
6	57.2	57.1	57.1	57.2	57.1	56.4	56.2	56.0	55.6	55.5	55.3	55.1	54.1	47.6	47.6	49.0	48.9
5	56.9	56.8	56.7	56.8	56.7	56.1	55.9	55.7	55.3	55.3	55.0	54.8	53.8	47.4	47.5	48.8	48.8
4	56.5	56.5	56.4	56.4	56.3	55.7	55.5	55.3	55.0	54.9	54.7	54.5	53.4	46.9	47.5	48.7	48.8
3	56.1	56.1	56.0	56.0	55.9	55.3	55.1	54.9	54.6	54.5	54.3	54.1	53.1	46.5	47.4	48.5	48.7
2	55.7	55.7	55.6	55.6	55.5	54.9	54.7	54.5	54.2	54.1	53.8	53.7	52.7	46.0	47.0	48.3	48.7
1	55.4	55.4	55.3	55.3	55.2	54.6	54.4	54.1	53.7	53.4	53.1	52.9	52.1	44.4	46.0	48.1	48.7
Max	65.3	65.3	65.3	65.2	65.0	64.1	63.7	63.2	62.7	62.6	62.2	62.1	60.8	53.6	50.4	52.2	51.6
Min	55.4	55.4	55.3	55.3	55.2	54.6	54.4	54.1	53.7	53.4	53.1	52.9	52.1	44.4	46.0	48.1	48.7

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R1010b	R1011a	R1012a	R1012b	R1012c	R1012d	R1013a	R1013b	R1013c	R1013d	R1101a	R1101b	R1101c	R1101d	R1101e	R1102a	R1102b
40																	
39																	
38																	
37											66.4	66.2	64.2	64.0	63.7	62.7	60.7
36											66.4	66.2	64.2	64.0	63.7	62.7	60.7
35											66.4	66.3	64.3	64.0	63.7	62.7	60.7
34											66.4	66.3	64.3	64.0	63.8	62.8	60.7
33											66.5	66.3	64.3	64.0	63.8	62.8	60.8
32											66.5	66.3	64.3	64.1	63.8	62.8	60.8
31											66.5	66.3	64.3	64.0	63.8	62.8	60.8
30											66.5	66.3	64.3	64.0	63.8	62.8	60.8
29											66.4	66.3	64.3	64.1	63.8	62.8	60.8
28											66.5	66.3	64.3	64.0	63.8	62.8	60.8
27											66.4	66.3	64.3	64.0	63.8	62.8	60.8
26											66.4	66.2	64.3	64.0	63.7	62.8	60.8
25	52.0	52.3	52.6	53.2	59.2	60.3	60.3	62.8	62.7	61.5	66.4	66.2	64.2	64.0	63.7	62.8	60.8
24	52.0	52.4	52.6	53.2	59.0	60.1	60.2	62.5	62.5	61.2	66.3	66.1	64.2	64.0	63.7	62.7	60.8
23	52.0	52.4	52.6	53.2	58.8	59.9	59.9	62.2	62.1	60.9	66.3	66.1	64.2	63.9	63.6	62.7	60.8
22	52.0	52.4	52.7	53.2	58.4	59.5	59.5	61.8	61.7	60.5	66.2	66.0	64.1	63.9	63.6	62.6	60.7
21	52.0	52.4	52.7	53.2	58.1	59.1	59.1	61.4	61.3	60.0	66.1	65.9	64.1	63.8	63.5	62.5	60.6
20	52.0	52.4	52.7	53.1	57.6	58.6	58.6	61.0	60.8	59.5	66.0	65.8	64.0	63.7	63.4	62.5	60.6
19	52.0	52.4	52.6	53.1	57.2	58.2	58.1	60.6	60.4	58.9	65.9	65.7	63.9	63.6	63.3	62.4	60.5
18	52.0	52.3	52.6	53.0	56.7	57.7	57.6	60.1	59.8	58.3	65.7	65.5	63.7	63.5	63.2	62.3	60.3
17	51.9	52.3	52.5	52.9	56.3	57.2	57.1	59.6	59.2	57.7	65.5	65.3	63.6	63.3	63.0	62.1	60.2
16	51.7	52.2	52.5	52.8	55.9	56.8	56.6	59.2	58.7	57.2	65.2	65.0	63.3	63.1	62.8	61.9	60.0
15	51.6	52.0	52.3	52.7	55.5	56.3	56.1	58.7	58.2	56.6	64.9	64.7	63.1	62.9	62.6	61.7	59.9
14	51.5	51.9	52.2	52.6	55.2	56.0	55.7	58.3	57.8	56.1	64.5	64.4	62.8	62.6	62.3	61.5	59.6
13	51.4	51.8	52.2	52.6	54.9	55.6	55.3	57.9	57.3	55.7	64.1	64.0	62.4	62.2	62.0	61.2	59.3
12	51.2	51.7	52.1	52.4	54.5	55.3	54.9	57.6	56.9	55.2	63.7	63.6	62.0	61.9	61.6	60.8	59.0
11	51.0	51.5	51.8	52.2	54.2	54.9	54.5	57.3	56.6	54.8	63.2	63.1	61.6	61.5	61.2	60.5	58.7
10	50.7	51.2	51.6	51.9	53.9	54.6	54.1	57.1	56.5	54.6	62.6	62.6	61.1	61.0	60.7	60.0	58.2
9	50.3	50.8	51.1	51.5	53.5	54.2	53.7	56.6	56.0	54.1	62.1	62.1	60.6	60.5	60.3	59.6	57.9
8	50.0	50.5	50.8	51.1	53.1	53.8	53.2	56.1	55.5	53.5	61.6	61.6	60.1	60.0	59.9	59.2	57.4
7	49.7	50.2	50.6	50.9	52.8	53.4	52.8	55.7	55.0	53.1	61.1	61.1	59.6	59.5	59.3	58.7	57.0
6	49.5	50.0	50.4	50.8	52.6	53.2	52.4	55.3	54.6	52.8	60.7	60.7	59.2	59.1	58.9	58.2	56.5
5	49.4	50.0	50.3	50.7	52.4	52.9	52.1	55.0	54.3	52.4	60.4	60.4	58.8	58.7	58.5	57.8	56.0
4	49.3	49.9	50.3	50.7	52.2	52.7	51.9	54.8	54.0	52.1	60.0	60.1	58.5	58.4	58.2	57.4	55.7
3	49.3	49.9	50.3	50.6	52.1	52.6	51.7	54.6	53.7	51.8	59.6	59.6	58.1	58.0	57.8	57.0	55.2
2	49.3	49.9	50.2	50.6	52.0	52.4	51.5	54.3	53.3	51.4	59.1	59.1	57.7	57.7	57.4	56.6	54.7
1	49.3	49.8	50.2	50.5	51.9	52.2	51.3	54.0	53.0	51.0	58.6	58.7	57.3	57.2	57.0	56.2	54.2
Max	52.0	52.4	52.7	53.2	59.2	60.3	60.3	62.8	62.7	61.5	66.5	66.3	64.3	64.1	63.8	62.8	60.8
Min	49.3	49.8	50.2	50.5	51.9	52.2	51.3	54.0	53.0	51.0	58.6	58.7	57.3	57.2	57.0	56.2	54.2

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R1103a	R1103b	R1104a	R1104b	R1104c	R1104d	R1105a	R1105b	R1105c	R1105d	R1106a	R1106b	R1107a	R1107b	R1108a	R1108b	R1109a
40																	
39																	
38																	
37	61.7	62.2	62.0	62.1	60.1	51.7	51.5	61.8	61.5	61.4	61.3	61.2	<40	60.9	60.7	60.2	59.7
36	61.7	62.2	62.1	62.1	60.1	51.7	51.6	61.8	61.5	61.4	61.4	61.2	<40	60.9	60.7	60.2	59.8
35	61.7	62.2	62.1	62.2	60.2	51.7	51.6	61.8	61.6	61.4	61.4	61.3	<40	61.0	60.8	60.3	59.9
34	61.7	62.3	62.1	62.2	60.2	51.8	51.6	61.9	61.6	61.5	61.4	61.3	<40	61.0	60.8	60.3	60.0
33	61.7	62.3	62.1	62.2	60.2	51.8	51.7	61.9	61.6	61.5	61.5	61.4	<40	61.1	60.9	60.4	60.0
32	61.7	62.3	62.1	62.2	60.2	51.9	51.7	61.9	61.6	61.5	61.5	61.4	<40	61.1	60.9	60.4	60.1
31	61.8	62.3	62.1	62.2	60.2	51.9	51.8	62.0	61.7	61.6	61.5	61.4	<40	61.1	61.0	60.5	60.1
30	61.8	62.3	62.1	62.2	60.2	52.0	51.9	62.0	61.7	61.6	61.6	61.5	<40	61.2	61.0	60.5	60.2
29	61.8	62.3	62.1	62.2	60.2	52.0	51.9	62.0	61.7	61.6	61.6	61.5	<40	61.2	61.1	60.6	60.2
28	61.7	62.3	62.1	62.2	60.2	52.1	52.0	62.0	61.7	61.6	61.6	61.5	<40	61.3	61.1	60.6	60.3
27	61.8	62.3	62.1	62.2	60.3	52.2	52.0	62.0	61.7	61.6	61.6	61.5	<40	61.3	61.1	60.6	60.3
26	61.8	62.3	62.1	62.2	60.2	52.2	52.1	62.0	61.7	61.6	61.6	61.6	<40	61.3	61.2	60.7	60.4
25	61.7	62.3	62.0	62.2	60.2	52.3	52.1	62.0	61.7	61.6	61.6	61.5	<40	61.3	61.2	60.7	60.4
24	61.7	62.2	62.0	62.1	60.1	52.3	52.2	62.0	61.7	61.6	61.6	61.5	<40	61.3	61.2	60.7	60.4
23	61.6	62.2	62.0	62.1	60.1	52.4	52.3	62.0	61.6	61.6	61.5	61.5	<40	61.3	61.2	60.7	60.5
22	61.6	62.1	61.9	62.0	60.1	52.5	52.3	61.9	61.5	61.5	61.5	61.4	<40	61.3	61.2	60.7	60.4
21	61.5	62.1	61.9	61.9	60.1	52.5	52.4	61.8	61.4	61.4	61.4	61.3	<40	61.2	61.1	60.7	60.4
20	61.5	62.0	61.8	61.9	60.0	52.6	52.5	61.7	61.3	61.3	61.3	61.2	<40	61.1	61.0	60.6	60.3
19	61.4	61.9	61.7	61.8	59.9	52.6	52.5	61.5	61.1	61.1	61.1	61.0	<40	61.0	60.9	60.4	60.2
18	61.3	61.7	61.6	61.7	59.8	52.7	52.6	61.3	60.9	60.9	60.9	60.9	<40	60.7	60.7	60.2	60.0
17	61.1	61.6	61.4	61.6	59.7	52.7	52.6	61.0	60.5	60.5	60.5	60.5	<40	60.4	60.3	59.9	59.7
16	61.0	61.5	61.3	61.4	59.5	52.8	52.7	60.6	60.1	60.1	60.1	60.1	<40	60.0	59.9	59.5	59.3
15	60.8	61.3	61.0	61.2	59.3	52.8	52.7	60.2	59.6	59.5	59.5	59.5	<40	59.4	59.3	58.9	58.7
14	60.5	61.0	60.8	60.9	59.1	52.9	52.8	59.6	58.8	58.8	58.8	58.7	<40	58.5	58.4	58.0	57.7
13	60.2	60.7	60.5	60.6	58.8	52.9	52.8	59.2	58.2	58.1	58.1	58.0	<40	57.8	57.6	57.2	56.9
12	59.9	60.4	60.2	60.3	58.5	53.0	52.8	58.7	57.6	57.5	57.4	57.3	<40	56.9	56.8	56.4	56.0
11	59.6	60.1	59.9	60.0	58.2	52.9	52.8	58.2	56.9	56.8	56.7	56.6	<40	56.2	56.0	55.6	55.3
10	59.1	59.6	59.4	59.6	57.8	52.9	52.8	57.8	56.3	56.2	56.1	56.0	<40	55.6	55.4	55.0	54.6
9	58.8	59.3	59.1	59.3	57.5	52.9	52.8	57.4	55.8	55.7	55.6	55.4	<40	55.1	54.8	54.4	54.0
8	58.3	58.8	58.7	58.8	57.2	52.9	52.7	57.1	55.3	55.2	55.1	54.9	<40	54.5	54.3	53.8	53.4
7	57.9	58.4	58.2	58.3	56.7	52.8	52.7	56.8	54.9	54.8	54.7	54.5	<40	54.1	53.8	53.4	53.0
6	57.4	57.9	57.7	57.9	56.2	52.6	52.5	56.5	54.5	54.4	54.3	54.2	<40	53.7	53.5	53.0	52.5
5	56.9	57.4	57.3	57.4	55.8	52.4	52.4	56.3	54.2	54.1	54.0	53.8	<40	53.3	53.0	52.5	52.0
4	56.6	57.1	56.9	57.0	55.3	52.2	52.1	56.0	53.9	53.7	53.6	53.4	<40	52.8	52.5	52.0	51.5
3	56.1	56.6	56.4	56.6	54.9	51.8	51.8	55.5	53.3	53.2	53.0	52.8	<40	52.3	52.0	51.5	51.0
2	55.6	56.1	55.9	56.1	54.3	51.3	51.3	55.0	52.9	52.7	52.6	52.3	<40	51.8	51.6	51.1	50.6
1	55.2	55.7	55.4	55.6	53.6	50.7	50.7	54.5	52.5	52.3	52.2	52.0	<40	51.5	51.2	50.8	50.3
Max	61.8	62.3	62.1	62.2	60.3	53.0	52.8	62.0	61.7	61.6	61.6	61.6	<40	61.3	61.2	60.7	60.5
Min	55.2	55.7	55.4	55.6	53.6	50.7	50.7	54.5	52.5	52.3	52.2	52.0	<40	51.5	51.2	50.8	50.3

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R1110a	R1110b	R1110c	R1111a	R1111b	R1111c	R1111d	R1112a	R1112b	R1112c	R1112d	R1113a	R1113b	R1201a	R1201b	R1201c	R1201d
40																	
39																	
38																	
37	59.5	59.4	59.5	59.4	59.6	64.5	64.6	64.7	66.4	66.7	66.6	66.6	66.5				
36	59.5	59.5	59.6	59.5	59.6	64.5	64.6	64.7	66.4	66.7	66.6	66.6	66.5				
35	59.6	59.6	59.6	59.6	59.7	64.5	64.6	64.7	66.4	66.7	66.6	66.6	66.5				
34	59.7	59.6	59.7	59.7	59.7	64.6	64.6	64.7	66.4	66.7	66.6	66.6	66.5				
33	59.8	59.7	59.8	59.8	59.8	64.6	64.7	64.8	66.4	66.8	66.7	66.7	66.5				
32	59.8	59.8	59.9	59.8	59.9	64.6	64.7	64.8	66.5	66.8	66.7	66.7	66.5				
31	59.9	59.8	59.9	59.9	60.0	64.7	64.7	64.8	66.5	66.8	66.7	66.7	66.5				
30	59.9	59.9	60.0	60.0	60.0	64.7	64.7	64.8	66.5	66.8	66.7	66.7	66.6				
29	60.0	60.0	60.1	60.0	60.1	64.7	64.7	64.7	66.5	66.8	66.7	66.7	66.5				
28	60.1	60.0	60.1	60.1	60.2	64.7	64.6	64.7	66.5	66.8	66.7	66.7	66.5				
27	60.1	60.1	60.2	60.2	60.3	64.7	64.6	64.8	66.5	66.8	66.7	66.6	66.5				
26	60.2	60.2	60.3	60.2	60.3	64.7	64.6	64.7	66.4	66.7	66.6	66.6	66.5				
25	60.2	60.2	60.3	60.3	60.4	64.7	64.6	64.7	66.4	66.7	66.6	66.6	66.5				
24	60.3	60.3	60.4	60.3	60.4	64.7	64.5	64.6	66.4	66.7	66.6	66.5	66.4	<40	<40	63.7	63.9
23	60.3	60.3	60.4	60.3	60.4	64.7	64.5	64.6	66.3	66.6	66.5	66.5	66.4	<40	<40	63.7	63.8
22	60.3	60.3	60.4	60.4	60.5	64.6	64.4	64.5	66.2	66.6	66.4	66.4	66.3	<40	<40	63.5	63.7
21	60.3	60.3	60.3	60.4	60.5	64.5	64.3	64.4	66.2	66.5	66.3	66.3	66.2	<40	<40	63.3	63.5
20	60.2	60.2	60.3	60.3	60.4	64.5	64.2	64.3	66.0	66.3	66.2	66.2	66.1	<40	<40	63.0	63.2
19	60.1	60.1	60.2	60.2	60.3	64.3	64.0	64.2	65.9	66.2	66.1	66.1	65.9	<40	<40	62.6	62.7
18	59.9	59.9	60.0	60.0	60.2	64.2	63.9	64.0	65.7	66.0	65.9	65.9	65.7	<40	<40	61.9	62.0
17	59.6	59.6	59.7	59.7	59.9	64.0	63.7	63.8	65.5	65.8	65.7	65.7	65.5	<40	<40	61.0	61.1
16	59.2	59.2	59.3	59.3	59.4	63.7	63.4	63.5	65.2	65.5	65.4	65.4	65.3	<40	<40	60.1	60.1
15	58.6	58.6	58.7	58.6	58.7	63.3	63.1	63.2	64.9	65.2	65.1	65.1	64.9	<40	<40	59.2	59.3
14	57.6	57.5	57.6	57.5	57.6	62.8	62.7	62.8	64.5	64.8	64.7	64.7	64.5	<40	<40	58.4	58.5
13	56.6	56.6	56.7	56.6	56.7	62.2	62.3	62.4	64.1	64.3	64.3	64.3	64.1	<40	<40	57.7	57.8
12	55.8	55.7	55.7	55.7	55.7	61.6	61.8	61.9	63.5	63.9	63.8	63.8	63.6	<40	<40	57.1	57.2
11	55.0	54.9	54.9	54.9	54.9	61.2	61.4	61.5	63.0	63.3	63.3	63.3	63.1	<40	<40	56.7	56.8
10	54.3	54.2	54.3	54.2	54.3	60.7	60.9	61.0	62.5	62.8	62.7	62.7	62.5	<40	<40	56.2	56.2
9	53.7	53.6	53.6	53.5	53.6	60.1	60.4	60.4	61.9	62.2	62.1	62.1	62.0	<40	<40	55.5	55.5
8	53.1	53.0	53.1	52.9	53.0	59.6	59.8	59.9	61.3	61.7	61.6	61.6	61.4	<40	<40	54.9	55.0
7	52.7	52.5	52.6	52.4	52.5	59.1	59.4	59.4	60.9	61.2	61.1	61.1	60.9	<40	<40	54.4	54.4
6	52.2	52.0	52.1	51.9	51.9	58.5	58.9	59.0	60.4	60.8	60.7	60.7	60.5	<40	<40	53.9	53.9
5	51.7	51.5	51.5	51.3	51.4	58.1	58.5	58.6	60.0	60.4	60.4	60.3	60.2	<40	<40	53.4	53.4
4	51.1	50.9	51.0	50.8	50.8	57.7	58.1	58.2	59.5	59.9	59.9	59.9	59.7	<40	<40	52.9	52.9
3	50.6	50.4	50.5	50.3	50.4	57.5	57.7	57.9	59.2	59.5	59.5	59.5	59.3	<40	<40	52.6	52.5
2	50.2	50.1	50.2	50.1	50.1	57.1	57.3	57.4	58.6	59.0	59.0	59.0	58.7	<40	<40	52.1	52.1
1	49.9	49.6	49.7	49.5	49.5	56.5	56.8	56.9	58.1	58.5	58.5	58.5	58.3	<40	<40	51.7	51.7
Max	60.3	60.3	60.4	60.4	60.5	64.7	64.7	64.8	66.5	66.8	66.7	66.7	66.6	<40	<40	63.7	63.9
Min	49.9	49.6	49.7	49.5	49.5	56.5	56.8	56.9	58.1	58.5	58.5	58.5	58.3	<40	<40	51.7	51.7

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R1202a	R1202b	R1202c	R1202d	R1203a	R1204a	R1204b	R1205a	R1205b	R1206a	R1206b	R1206c	R1206d	R1207a	R1207b	R1208a	R1208b
40																	
39																	
38																	
37																	
36																	
35																	
34																	
33																	
32																	
31																	
30																	
29																	
28																	
27																	
26																	
25																	
24	64.4	67.5	68.9	69.0	68.9	69.1	69.0	69.2	69.4	69.8	69.9	69.8	69.2	69.0	68.7	68.5	68.3
23	64.3	67.3	68.8	68.9	68.8	68.9	68.9	69.0	69.3	69.7	69.7	69.7	69.1	68.9	68.6	68.3	68.2
22	64.2	67.1	68.7	68.7	68.6	68.8	68.7	68.9	69.1	69.6	69.6	69.5	69.0	68.7	68.5	68.2	68.1
21	64.0	66.9	68.4	68.5	68.4	68.5	68.5	68.6	68.9	69.3	69.4	69.3	68.8	68.5	68.3	68.0	67.9
20	63.7	66.6	68.1	68.2	68.1	68.2	68.2	68.3	68.6	69.1	69.1	69.0	68.5	68.3	68.0	67.8	67.7
19	63.2	66.1	67.7	67.8	67.6	67.8	67.7	67.9	68.2	68.7	68.7	68.7	68.2	67.9	67.7	67.5	67.4
18	62.5	65.4	67.1	67.2	67.1	67.2	67.2	67.4	67.7	68.2	68.2	68.2	67.7	67.5	67.3	67.1	67.0
17	61.6	64.6	66.4	66.5	66.5	66.6	66.6	66.8	67.2	67.7	67.8	67.7	67.3	67.1	66.8	66.6	66.6
16	60.7	63.8	65.7	65.8	65.8	66.0	66.0	66.2	66.6	67.2	67.2	67.2	66.8	66.6	66.3	66.2	66.1
15	59.8	63.0	65.0	65.1	65.2	65.3	65.4	65.6	66.0	66.5	66.6	66.6	66.2	66.0	65.8	65.6	65.5
14	59.0	62.2	64.3	64.4	64.5	64.6	64.7	64.9	65.3	65.9	66.0	65.9	65.6	65.4	65.2	65.0	65.0
13	58.3	61.6	63.8	63.8	63.9	64.0	64.1	64.3	64.7	65.3	65.4	65.3	65.0	64.8	64.6	64.5	64.4
12	57.8	61.2	63.3	63.3	63.4	63.5	63.6	63.8	64.1	64.7	64.8	64.8	64.4	64.3	64.1	64.0	63.9
11	57.4	60.9	62.9	62.9	63.0	63.1	63.2	63.4	63.7	64.2	64.4	64.4	63.9	63.8	63.6	63.4	63.3
10	56.7	60.0	62.2	62.2	62.3	62.4	62.5	62.7	63.1	63.6	63.7	63.7	63.4	63.3	63.1	63.0	62.9
9	56.0	59.4	61.6	61.6	61.7	61.8	61.9	62.0	62.4	62.9	63.0	63.1	62.8	62.6	62.4	62.3	62.3
8	55.5	58.8	61.0	61.1	61.1	61.3	61.4	61.5	61.9	62.4	62.5	62.5	62.2	62.1	61.9	61.8	61.8
7	55.0	58.3	60.6	60.6	60.7	60.8	60.9	61.0	61.4	61.8	62.0	62.0	61.7	61.6	61.4	61.3	61.3
6	54.4	57.8	60.1	60.1	60.2	60.3	60.4	60.6	61.0	61.4	61.5	61.6	61.2	61.1	61.0	60.9	60.8
5	54.0	57.3	59.7	59.7	59.7	59.9	59.9	60.1	60.4	60.8	61.0	61.0	60.7	60.5	60.4	60.3	60.2
4	53.5	56.9	59.2	59.3	59.3	59.4	59.5	59.6	59.9	60.2	60.4	60.4	60.1	60.0	59.8	59.7	59.7
3	53.1	56.5	58.7	58.8	58.8	59.0	59.0	59.2	59.4	59.7	59.9	60.0	59.7	59.5	59.4	59.3	59.2
2	52.7	56.1	58.3	58.4	58.4	58.5	58.6	58.7	59.0	59.3	59.5	59.5	59.2	59.1	58.9	58.8	58.8
1	52.3	55.7	58.0	58.0	58.0	58.1	58.2	58.3	58.6	58.8	59.1	59.1	58.8	58.7	58.5	58.4	58.4
Max	64.4	67.5	68.9	69.0	68.9	69.1	69.0	69.2	69.4	69.8	69.9	69.8	69.2	69.0	68.7	68.5	68.3
Min	52.3	55.7	58.0	58.0	58.0	58.1	58.2	58.3	58.6	58.8	59.1	59.1	58.8	58.7	58.5	58.4	58.4

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R1209a	R1210a	R1210b	R1210c	R1210d	R1211a	R1211b	R1211c	R1211d	R1212a	R1212b	R1213a	R1213b	R1301a	R1301b	R1302a	R1302b
40														69.9	68.3	67.7	66.4
39														70.0	68.4	67.7	66.5
38														70.0	68.4	67.8	66.5
37														70.1	68.5	67.8	66.6
36														70.1	68.6	67.9	66.7
35														70.2	68.6	68.0	66.7
34														70.2	68.7	68.0	66.8
33														70.2	68.7	68.1	66.8
32														70.3	68.7	68.1	66.9
31														70.3	68.8	68.1	66.9
30														70.3	68.8	68.2	67.0
29														70.3	68.9	68.2	67.0
28														70.4	68.9	68.3	67.0
27														70.4	68.9	68.3	67.0
26														70.4	68.9	68.3	67.0
25														70.3	68.9	68.3	67.0
24	68.1	67.9	67.7	65.9	61.3	60.8	60.0	<40	<40	<40	<40	<40	<40	70.3	68.9	68.3	67.0
23	67.9	67.8	67.6	65.8	61.2	60.7	60.0	<40	<40	<40	<40	<40	<40	70.2	68.9	68.2	67.0
22	67.8	67.7	67.5	65.7	61.2	60.6	59.8	<40	<40	<40	<40	<40	<40	70.2	68.8	68.2	66.9
21	67.6	67.5	67.3	65.5	61.0	60.5	59.7	<40	<40	<40	<40	<40	<40	70.0	68.7	68.1	66.8
20	67.4	67.2	67.1	65.4	60.9	60.3	59.5	<40	<40	<40	<40	<40	<40	69.8	68.6	68.0	66.7
19	67.1	66.9	66.8	65.1	60.7	60.1	59.4	<40	<40	<40	<40	<40	<40	69.7	68.4	67.8	66.5
18	66.7	66.6	66.4	64.9	60.4	59.9	59.1	<40	<40	<40	<40	<40	<40	69.3	68.1	67.5	66.2
17	66.3	66.2	66.0	64.5	60.1	59.6	58.8	<40	<40	<40	<40	<40	<40	68.9	67.7	67.1	65.9
16	65.8	65.7	65.6	64.0	59.7	59.2	58.4	<40	<40	<40	<40	<40	<40	68.3	67.1	66.6	65.3
15	65.3	65.2	65.0	63.6	59.2	58.7	57.9	<40	<40	<40	<40	<40	<40	67.6	66.3	65.8	64.5
14	64.8	64.7	64.5	63.1	58.7	58.2	57.4	<40	<40	<40	<40	<40	<40	66.9	65.5	65.0	63.7
13	64.2	64.1	64.0	62.6	58.3	57.7	56.9	<40	<40	<40	<40	<40	<40	66.1	64.6	64.1	62.8
12	63.7	63.5	63.4	62.1	57.9	57.3	56.4	<40	<40	<40	<40	<40	<40	65.1	63.4	62.9	61.6
11	63.1	63.0	62.9	61.5	57.3	56.7	55.9	<40	<40	<40	<40	<40	<40	64.2	62.4	61.8	60.6
10	62.7	62.6	62.4	61.0	56.6	56.0	55.2	<40	<40	<40	<40	<40	<40	63.4	61.5	60.9	59.7
9	62.1	62.1	62.0	60.5	56.1	55.4	54.6	<40	<40	<40	<40	<40	<40	62.7	60.5	59.9	58.7
8	61.6	61.5	61.4	60.1	55.6	54.9	54.1	<40	<40	<40	<40	<40	<40	61.9	59.4	58.7	57.5
7	61.1	61.0	60.9	59.6	55.1	54.4	53.6	<40	<40	<40	<40	<40	<40	61.1	58.3	57.6	56.6
6	60.7	60.6	60.5	59.2	54.7	54.0	53.1	<40	<40	<40	<40	<40	<40	60.3	57.4	56.7	55.8
5	60.1	60.0	60.0	58.7	54.2	53.6	52.8	<40	<40	<40	<40	<40	<40	59.7	56.6	55.9	55.0
4	59.6	59.5	59.5	58.1	53.5	52.9	52.1	<40	<40	<40	<40	<40	<40	59.1	55.8	55.1	54.3
3	59.1	59.1	59.0	57.6	52.8	52.2	51.4	<40	<40	<40	<40	<40	<40	58.5	55.1	54.4	53.7
2	58.7	58.6	58.6	57.2	52.2	51.7	50.8	<40	<40	<40	<40	<40	<40	58.0	54.4	53.8	53.2
1	58.3	58.2	58.2	56.7	51.5	51.1	50.3	<40	<40	<40	<40	<40	<40	57.5	53.8	53.1	52.6
Max	68.1	67.9	67.7	65.9	61.3	60.8	60.0	<40	<40	<40	<40	<40	<40	70.4	68.9	68.3	67.0
Min	58.3	58.2	58.2	56.7	51.5	51.1	50.3	<40	<40	<40	<40	<40	<40	57.5	53.8	53.1	52.6

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R1302c	R1302d	R1302e	R1303a	R1303b	R1304a	R1304b	R1305a	R1305b	R1306a	R1306b	R1307a	R1307b	R1307c	R1307d	R1308a	R1308b
40	66.1	60.7	60.9	60.9	61.1	61.3	61.3	61.4	61.7	61.9	62.0	62.4	63.4	65.3	68.7	69.0	69.3
39	66.2	60.7	60.9	61.0	61.2	61.3	61.3	61.5	61.8	62.0	62.0	62.4	63.4	65.4	68.7	69.0	69.4
38	66.2	60.7	60.9	61.0	61.2	61.3	61.3	61.5	61.8	62.0	62.0	62.4	63.5	65.4	68.8	69.0	69.4
37	66.3	60.7	60.9	60.9	61.2	61.3	61.3	61.5	61.8	62.0	62.1	62.4	63.5	65.5	68.8	69.1	69.4
36	66.4	60.7	60.9	61.0	61.2	61.3	61.4	61.5	61.8	62.0	62.1	62.5	63.5	65.5	68.8	69.1	69.5
35	66.4	60.7	60.9	61.0	61.2	61.3	61.4	61.5	61.8	62.0	62.1	62.5	63.5	65.4	68.8	69.1	69.5
34	66.5	60.7	60.9	61.0	61.2	61.3	61.4	61.5	61.9	62.0	62.1	62.5	63.6	65.5	68.8	69.2	69.5
33	66.5	60.7	61.0	61.0	61.2	61.3	61.4	61.5	61.8	62.0	62.1	62.5	63.5	65.5	68.9	69.2	69.5
32	66.5	60.7	60.9	61.0	61.2	61.3	61.4	61.5	61.8	62.0	62.1	62.5	63.5	65.5	68.9	69.2	69.6
31	66.6	60.7	60.9	61.0	61.2	61.3	61.3	61.5	61.8	62.0	62.1	62.5	63.5	65.4	68.9	69.2	69.6
30	66.6	60.6	60.8	60.9	61.1	61.2	61.3	61.4	61.8	62.0	62.0	62.4	63.5	65.4	68.9	69.2	69.6
29	66.7	60.6	60.8	60.9	61.1	61.2	61.3	61.4	61.8	61.9	62.0	62.4	63.5	65.4	68.9	69.2	69.6
28	66.7	60.5	60.8	60.8	61.1	61.1	61.2	61.3	61.7	61.9	62.0	62.3	63.4	65.4	68.9	69.2	69.6
27	66.7	60.4	60.7	60.7	61.0	61.1	61.2	61.3	61.6	61.8	61.9	62.3	63.3	65.3	68.8	69.2	69.5
26	66.7	60.4	60.6	60.6	60.9	61.0	61.1	61.2	61.6	61.7	61.8	62.2	63.3	65.2	68.8	69.1	69.5
25	66.7	60.2	60.5	60.6	60.8	60.8	61.0	61.1	61.4	61.6	61.7	62.1	63.1	65.2	68.7	69.0	69.5
24	66.7	60.1	60.3	60.4	60.6	60.7	60.8	61.0	61.3	61.5	61.6	61.9	63.0	65.0	68.6	68.9	69.4
23	66.6	59.9	60.1	60.2	60.4	60.5	60.6	60.8	61.1	61.3	61.4	61.8	62.9	64.8	68.5	68.8	69.3
22	66.6	59.7	59.9	60.0	60.2	60.3	60.4	60.6	60.9	61.1	61.1	61.6	62.6	64.6	68.3	68.7	69.1
21	66.5	59.4	59.6	59.7	59.9	60.0	60.1	60.2	60.6	60.8	60.9	61.2	62.3	64.4	68.1	68.5	69.0
20	66.4	59.0	59.3	59.3	59.6	59.7	59.7	59.9	60.2	60.4	60.5	60.8	62.0	64.1	67.9	68.3	68.7
19	66.1	58.6	58.8	58.9	59.1	59.2	59.3	59.4	59.8	59.9	60.0	60.4	61.5	63.6	67.6	67.9	68.4
18	65.8	58.2	58.4	58.4	58.6	58.7	58.8	58.9	59.3	59.4	59.5	59.8	60.9	63.1	67.2	67.5	68.0
17	65.5	57.8	58.0	58.1	58.3	58.3	58.4	58.5	58.8	59.0	59.1	59.4	60.5	62.6	66.7	67.1	67.5
16	64.9	57.4	57.6	57.7	57.9	58.0	58.0	58.1	58.5	58.6	58.6	59.0	60.1	62.1	66.2	66.5	67.0
15	64.2	56.9	57.1	57.1	57.2	57.3	57.4	57.5	57.8	57.9	58.0	58.3	59.4	61.5	65.6	65.9	66.3
14	63.4	56.3	56.5	56.5	56.7	56.8	56.8	56.9	57.2	57.4	57.4	57.7	58.8	60.9	65.0	65.3	65.7
13	62.5	55.8	56.0	56.0	56.2	56.2	56.2	56.3	56.6	56.7	56.8	57.1	58.1	60.2	64.3	64.6	65.0
12	61.5	55.3	55.5	55.5	55.6	55.7	55.7	55.8	56.1	56.2	56.3	56.6	57.7	59.7	63.6	63.9	64.2
11	60.5	54.9	55.0	55.0	55.2	55.3	55.3	55.5	55.8	56.0	55.8	56.1	57.2	59.3	63.0	63.3	63.6
10	59.7	54.6	54.6	54.6	54.8	54.9	54.9	55.0	55.3	55.6	55.6	55.9	57.0	59.0	62.6	62.9	63.2
9	58.7	54.2	54.4	54.4	54.6	54.7	54.8	54.9	55.2	55.5	55.4	55.8	56.8	58.7	62.2	62.5	62.7
8	57.6	54.1	54.3	54.3	54.5	54.5	54.5	54.5	54.7	54.9	54.8	55.1	56.1	58.0	61.6	61.7	61.9
7	56.7	53.7	53.8	53.7	53.8	53.9	53.9	53.9	54.1	54.2	54.2	54.4	55.4	57.4	60.9	61.0	61.2
6	55.9	53.1	53.2	53.1	53.3	53.3	53.2	53.3	53.6	53.7	53.7	54.0	55.0	56.9	60.3	60.4	60.5
5	55.2	52.6	52.7	52.7	52.8	52.9	52.8	52.9	53.2	53.3	53.3	53.5	54.6	56.5	59.7	59.8	60.0
4	54.6	52.2	52.3	52.3	52.4	52.4	52.4	52.5	52.7	52.9	52.8	53.1	54.2	56.1	59.3	59.3	59.5
3	53.9	51.8	51.9	51.9	52.1	52.1	52.1	52.1	52.4	52.5	52.5	52.8	53.8	55.7	58.8	58.8	59.0
2	53.4	51.5	51.6	51.5	51.7	51.7	51.7	51.8	52.0	52.1	52.1	52.4	53.4	55.4	58.3	58.4	58.5
1	52.9	51.1	51.2	51.2	51.4	51.4	51.3	51.4	51.7	51.8	51.7	52.1	53.1	55.0	57.9	58.0	58.0
Max	66.7	60.7	61.0	61.0	61.2	61.3	61.4	61.5	61.9	62.0	62.1	62.5	63.6	65.5	68.9	69.2	69.6
Min	52.9	51.1	51.2	51.2	51.4	51.4	51.3	51.4	51.7	51.8	51.7	52.1	53.1	55.0	57.9	58.0	58.0

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R1308c	R1309a	R1309b	R1309c	R1309d	R1401a	R1401b	R1401c	R1401d	R1401e	R1402a	R1402b	R1403a	R1403b	R1404a	R1404b	R1405a
40	**66.5**	70.1	**66.5**	70.3	70.4												
39	**66.5**	70.2	**66.5**	70.3	70.4												
38	**66.6**	70.2	**66.6**	70.4	**68.0**												
37	**66.6**	70.3	**66.6**	70.4	**68.0**	69.7	69.7	69.0	68.9	68.8	67.8	68.1	68.1	68.2	68.1	68.1	68.0
36	**66.7**	70.3	**66.7**	**66.5**	**68.1**	69.7	69.7	69.0	68.9	68.8	67.9	68.2	68.2	68.2	68.2	68.1	68.1
35	**66.7**	70.4	**66.7**	**66.5**	**68.1**	69.8	69.7	69.1	69.0	68.9	67.9	68.2	68.2	68.3	68.2	68.2	68.1
34	**66.8**	70.4	**66.7**	**66.5**	**68.1**	69.8	69.8	69.1	69.0	68.9	68.0	68.3	68.3	68.3	68.3	68.2	68.2
33	**66.8**	70.4	**66.8**	**66.6**	**68.2**	69.9	69.8	69.2	69.1	69.0	68.0	68.3	68.3	68.4	68.3	68.2	68.2
32	**66.8**	**66.5**	**66.8**	**66.6**	**68.2**	69.9	69.9	69.2	69.1	69.0	68.1	68.4	68.3	68.4	68.3	68.3	68.2
31	**66.8**	**66.5**	**66.8**	**66.6**	**68.2**	70.0	69.9	69.3	69.2	69.1	68.1	68.4	68.4	68.4	68.4	68.3	68.3
30	**66.8**	**66.5**	**66.8**	**66.6**	**68.2**	70.0	70.0	69.3	69.2	69.1	68.1	68.4	68.4	68.5	68.4	68.4	68.3
29	**66.9**	**66.5**	**66.9**	**66.7**	**68.2**	70.0	70.0	69.3	69.3	69.1	68.2	68.5	68.4	68.5	68.5	68.4	68.3
28	**66.8**	**66.5**	**66.8**	**66.6**	**68.2**	70.1	70.0	69.4	69.3	69.2	68.2	68.5	68.5	68.5	68.5	68.4	68.4
27	**66.8**	**66.5**	**66.8**	**66.6**	**68.2**	70.1	70.1	69.4	69.4	69.2	68.3	68.6	68.5	68.6	68.5	68.4	68.4
26	**66.8**	70.4	**66.8**	**66.6**	**68.2**	70.2	70.1	69.5	69.4	69.3	68.3	68.6	68.5	68.6	68.5	68.5	68.4
25	**66.8**	70.4	**66.8**	**66.6**	**68.2**	70.2	70.1	69.5	69.4	69.3	68.3	68.6	68.6	68.6	68.6	68.5	68.4
24	**66.7**	70.4	**66.7**	**66.5**	**68.1**	70.2	70.1	69.5	69.4	69.3	68.3	68.6	68.6	68.6	68.6	68.5	68.4
23	**66.6**	70.3	**66.6**	70.4	**68.1**	70.2	70.2	69.5	69.4	69.3	68.3	68.6	68.6	68.6	68.5	68.5	68.4
22	**66.5**	70.2	**66.5**	70.3	**68.0**	70.2	70.1	69.5	69.4	69.3	68.3	68.6	68.6	68.6	68.5	68.5	68.4
21	70.3	70.0	70.3	70.2	70.3	70.1	70.1	69.5	69.4	69.3	68.3	68.6	68.5	68.6	68.5	68.4	68.4
20	70.1	69.8	70.2	70.0	70.1	70.1	70.1	69.5	69.4	69.3	68.2	68.5	68.5	68.5	68.5	68.4	68.3
19	69.8	69.6	69.9	69.7	69.9	70.0	70.0	69.4	69.3	69.2	68.2	68.5	68.4	68.5	68.4	68.3	68.2
18	69.5	69.2	69.5	69.4	69.5	69.9	69.9	69.3	69.2	69.1	68.1	68.3	68.3	68.3	68.3	68.2	68.2
17	69.0	68.7	69.1	68.9	69.1	69.7	69.8	69.2	69.1	69.0	68.0	68.2	68.2	68.2	68.2	68.1	68.0
16	68.4	68.2	68.5	68.3	68.5	69.5	69.6	69.0	68.9	68.8	67.7	68.0	68.0	68.0	68.0	67.9	67.8
15	67.7	67.4	67.7	67.6	67.7	69.2	69.3	68.7	68.6	68.5	67.5	67.7	67.7	67.8	67.7	67.6	67.6
14	67.0	66.8	67.1	67.0	67.1	68.7	68.8	68.3	68.2	68.1	67.1	67.4	67.4	67.4	67.4	67.3	67.2
13	66.2	65.9	66.2	66.1	66.2	68.1	68.2	67.6	67.6	67.5	66.6	66.9	66.9	66.9	66.9	66.8	66.8
12	65.3	65.0	65.3	65.2	65.2	67.3	67.5	66.9	66.9	66.9	66.0	66.3	66.3	66.4	66.4	66.3	66.3
11	64.6	64.3	64.6	64.4	64.5	66.4	66.7	66.1	66.1	66.1	65.3	65.6	65.6	65.7	65.7	65.7	65.7
10	64.0	63.7	63.9	63.8	63.8	65.6	65.9	65.3	65.4	65.5	64.7	65.0	65.1	65.2	65.3	65.3	65.3
9	63.4	63.1	63.4	63.2	63.2	64.6	65.1	64.4	64.5	64.7	64.0	64.4	64.5	64.7	64.7	64.7	64.8
8	62.5	62.2	62.5	62.3	62.4	63.8	64.3	63.7	63.8	64.0	63.4	63.7	63.8	64.1	64.1	64.2	64.2
7	61.7	61.3	61.7	61.5	61.5	63.0	63.6	63.0	63.2	63.4	62.9	63.2	63.3	63.6	63.7	63.7	63.8
6	61.1	60.6	61.0	60.8	60.8	62.1	62.8	62.2	62.5	62.8	62.4	62.7	62.8	63.1	63.2	63.3	63.3
5	60.5	60.1	60.4	60.2	60.2	61.4	62.1	61.4	61.8	62.1	61.8	62.1	62.3	62.6	62.7	62.8	62.9
4	59.9	59.5	59.8	59.6	59.6	60.8	61.5	60.7	61.1	61.5	61.3	61.6	61.8	62.0	62.1	62.3	62.4
3	59.4	58.9	59.3	59.1	59.1	60.3	61.0	60.1	60.6	61.0	60.9	61.2	61.4	61.6	61.7	61.8	61.9
2	58.9	58.4	58.8	58.6	58.6	59.7	60.5	59.6	60.1	60.5	60.5	60.8	60.9	61.1	61.2	61.4	61.5
1	58.4	57.9	58.3	58.1	58.1	59.2	60.0	59.2	59.7	60.1	60.2	60.4	60.6	60.8	60.9	61.1	61.2
Max	70.3	70.4	70.3	70.4	70.4	70.2	70.2	69.5	69.4	69.3	68.3	68.6	68.6	68.6	68.6	68.5	68.4
Min	58.4	57.9	58.3	58.1	58.1	59.2	60.0	59.2	59.7	60.1	60.2	60.4	60.6	60.8	60.9	61.1	61.2

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R1405b	R1405c	R1405d	R1406a	R1406b	R1406c	R1406d	R1407a	R1408a	R1408b	R1409a	R1409b	R1410a	R1411a	R1412a	R1412b	R1412c
40																	
39																	
38																	
37	68.0	66.5	60.8	60.4	61.5	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.9	59.1
36	68.0	66.5	60.8	60.4	61.5	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.9	59.1
35	68.1	66.6	60.9	60.5	61.5	58.5	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.8	58.9	59.1
34	68.1	66.6	60.9	60.5	61.5	58.5	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.8	58.9	59.0
33	68.1	66.6	60.9	60.6	61.5	58.4	58.5	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.8	59.0
32	68.2	66.7	61.0	60.6	61.6	58.4	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.7	58.9	59.0
31	68.2	66.7	61.0	60.7	61.6	58.3	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.5	58.7	58.8	58.9
30	68.3	66.8	61.1	60.7	61.6	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.8	58.9
29	68.3	66.8	61.1	60.7	61.5	58.2	58.3	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.6	58.7	58.8
28	68.3	66.8	61.1	60.7	61.5	58.2	58.3	58.4	58.3	58.4	58.4	58.4	58.4	58.4	58.5	58.7	58.8
27	68.3	66.8	61.1	60.7	61.5	58.1	58.2	58.3	58.2	58.3	58.3	58.4	58.4	58.4	58.4	58.6	58.7
26	68.4	66.9	61.1	60.7	61.4	58.0	58.1	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.4	58.5	58.6
25	68.4	66.9	61.1	60.7	61.4	57.9	58.0	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.4	58.6
24	68.4	66.9	61.1	60.7	61.4	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.3	58.4
23	68.4	66.9	61.2	60.8	61.3	57.7	57.7	57.8	57.8	57.9	57.8	57.9	57.9	57.9	58.0	58.2	58.3
22	68.4	66.9	61.1	60.8	61.2	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	58.0	58.2
21	68.3	66.8	61.2	60.7	61.2	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.8	57.9
20	68.3	66.8	61.1	60.7	61.1	57.1	57.2	57.2	57.2	57.3	57.2	57.3	57.3	57.3	57.4	57.5	57.7
19	68.2	66.7	61.1	60.7	61.0	56.8	56.9	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.3	57.4
18	68.1	66.6	61.1	60.7	60.9	56.6	56.6	56.7	56.7	56.7	56.7	56.8	56.8	56.7	56.8	57.0	57.1
17	67.9	66.5	61.0	60.6	60.8	56.2	56.3	56.4	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.6	56.7
16	67.8	66.4	61.0	60.5	60.7	55.9	55.9	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.2	56.4
15	67.5	66.1	60.9	60.5	60.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.8	55.7	55.8	55.9	56.0
14	67.2	65.8	60.8	60.4	60.4	55.3	55.4	55.5	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.7	55.8
13	66.8	65.5	60.7	60.3	60.3	55.1	55.2	55.3	55.2	55.2	55.3	55.3	55.3	55.2	55.2	55.4	55.5
12	66.3	65.1	60.6	60.1	60.2	54.8	54.8	54.9	54.8	54.8	54.8	54.8	54.8	54.7	54.7	54.9	55.0
11	65.7	64.6	60.5	60.0	60.0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.3	54.2	54.3	54.4	54.5
10	65.2	64.2	60.4	59.9	59.9	54.0	54.0	54.0	54.0	54.0	53.9	53.9	53.9	53.9	53.9	54.0	54.1
9	64.8	63.9	60.3	59.8	59.8	53.5	53.6	53.6	53.6	53.6	53.6	53.5	53.5	53.5	53.5	53.6	53.7
8	64.3	63.5	60.2	59.7	59.7	53.2	53.2	53.2	53.2	53.2	53.2	53.1	53.2	53.1	53.1	53.2	53.3
7	63.9	63.3	60.0	59.5	59.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.8	52.8	52.9	53.1
6	63.4	63.0	59.8	59.3	59.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.6	52.5	52.5	52.7
5	63.0	62.7	59.5	59.0	59.1	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.3	52.3	52.4	52.6
4	62.5	62.2	59.1	58.7	59.0	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.2	52.2	52.2	52.3	52.5
3	62.1	61.8	58.7	58.4	58.8	52.1	52.2	52.2	52.2	52.2	52.3	52.3	52.2	52.2	52.1	52.2	52.2
2	61.7	61.4	58.3	58.1	58.6	52.1	52.0	52.1	52.0	51.9	51.9	51.8	51.7	51.6	51.6	51.6	51.7
1	61.3	61.1	58.0	57.9	58.4	51.6	51.6	51.6	51.5	51.4	51.4	51.4	51.3	51.1	51.1	51.2	51.3
Max	68.4	66.9	61.2	60.8	61.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.9	59.1
Min	61.3	61.1	58.0	57.9	58.4	51.6	51.6	51.6	51.5	51.4	51.4	51.4	51.3	51.1	51.1	51.2	51.3

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R1413a	R1413b	R1414a	R1414b	R1414c	R1414d	R1415a	R1415b	R1415c	R1415d	R1416a	R1416b	R1417a	R1417b
40														
39														
38														
37	59.2	59.4	59.6	59.8	66.8	67.3	67.5	69.6	69.5	69.5	69.6	69.6	69.5	69.6
36	59.2	59.4	59.5	59.8	66.8	67.4	67.5	69.7	69.6	69.6	69.6	69.6	69.6	69.6
35	59.2	59.4	59.5	59.7	66.9	67.4	67.5	69.7	69.6	69.6	69.7	69.7	69.7	69.7
34	59.2	59.4	59.5	59.8	66.9	67.5	67.6	69.8	69.7	69.7	69.7	69.7	69.7	69.7
33	59.2	59.3	59.5	59.7	66.9	67.5	67.6	69.8	69.7	69.8	69.8	69.8	69.8	69.8
32	59.2	59.3	59.5	59.7	66.9	67.5	67.6	69.9	69.8	69.8	69.8	69.8	69.8	69.8
31	59.2	59.3	59.5	59.7	66.9	67.5	67.6	69.9	69.8	69.8	69.9	69.9	69.9	69.9
30	59.1	59.2	59.4	59.6	67.0	67.5	67.7	70.0	69.8	69.9	69.9	69.9	69.9	69.9
29	59.1	59.2	59.4	59.6	67.0	67.6	67.7	70.0	69.9	69.9	69.9	70.0	69.9	69.9
28	59.0	59.2	59.3	59.6	67.0	67.6	67.7	70.0	69.9	69.9	70.0	70.0	70.0	70.0
27	58.9	59.1	59.2	59.5	67.0	67.6	67.7	70.1	69.9	70.0	70.0	70.0	70.0	70.0
26	58.8	59.0	59.2	59.4	67.0	67.6	67.7	70.1	70.0	70.0	70.1	70.0	70.0	70.0
25	58.8	58.9	59.1	59.3	66.9	67.6	67.7	70.1	70.0	70.0	70.0	70.1	70.1	70.0
24	58.6	58.8	58.9	59.2	66.9	67.5	67.7	70.1	70.0	70.0	70.1	70.1	70.1	70.1
23	58.5	58.7	58.8	59.1	66.9	67.5	67.6	70.1	70.0	70.0	70.1	70.1	70.0	70.1
22	58.3	58.5	58.7	58.9	66.8	67.5	67.6	70.1	70.0	70.0	70.1	70.1	70.1	70.1
21	58.1	58.3	58.5	58.7	66.7	67.4	67.5	70.0	69.9	70.0	70.0	70.0	70.0	70.0
20	57.9	58.1	58.2	58.5	66.6	67.2	67.4	70.0	69.8	69.9	70.0	70.0	70.0	70.0
19	57.6	57.8	57.9	58.2	66.5	67.1	67.3	69.9	69.8	69.8	69.9	69.9	69.9	69.9
18	57.3	57.4	57.6	57.8	66.3	67.0	67.1	69.8	69.7	69.7	69.8	69.8	69.8	69.8
17	56.9	57.1	57.2	57.4	66.1	66.7	66.9	69.6	69.5	69.5	69.6	69.6	69.6	69.6
16	56.5	56.7	56.8	57.0	65.8	66.5	66.6	69.3	69.2	69.3	69.3	69.4	69.4	69.4
15	56.2	56.4	56.5	56.7	65.4	66.1	66.2	69.0	68.9	69.0	69.0	69.0	69.0	69.1
14	56.0	56.1	56.2	56.4	65.0	65.7	65.7	68.5	68.4	68.5	68.5	68.5	68.5	68.6
13	55.7	55.8	55.9	56.1	64.4	65.1	65.2	67.8	67.7	67.8	67.8	67.9	67.9	67.9
12	55.2	55.3	55.4	55.6	63.8	64.4	64.5	67.0	66.9	67.0	67.0	67.0	67.0	67.1
11	54.7	54.8	54.9	55.1	63.2	63.8	63.9	66.2	66.1	66.2	66.2	66.2	66.2	66.2
10	54.3	54.4	54.5	54.7	62.4	63.0	63.1	65.3	65.1	65.2	65.3	65.3	65.3	65.4
9	53.8	53.9	54.1	54.3	61.6	62.1	62.2	64.3	64.2	64.3	64.3	64.4	64.4	64.4
8	53.4	53.6	53.7	53.9	60.9	61.4	61.4	63.6	63.5	63.5	63.5	63.6	63.6	63.6
7	53.2	53.3	53.5	53.7	60.2	60.7	60.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8
6	52.9	53.0	53.1	53.4	59.6	59.9	60.0	61.9	61.8	61.8	61.9	61.9	61.9	62.0
5	52.7	52.9	53.0	53.3	58.8	59.2	59.2	61.2	61.1	61.1	61.1	61.2	61.2	61.2
4	52.7	52.9	53.0	53.2	58.2	58.6	58.6	60.6	60.5	60.5	60.6	60.6	60.6	60.6
3	52.3	52.4	52.5	52.6	57.5	57.9	58.0	59.9	59.9	59.9	60.0	60.0	60.0	60.1
2	51.8	51.9	52.0	52.1	56.9	57.3	57.3	59.3	59.3	59.3	59.3	59.4	59.4	59.5
1	51.4	51.5	51.5	51.7	56.3	56.7	56.7	58.8	58.7	58.8	58.8	58.9	58.9	58.9
Max	59.2	59.4	59.6	59.8	67.0	67.6	67.7	70.1	70.0	70.0	70.1	70.1	70.1	70.1
Min	51.4	51.5	51.5	51.7	56.3	56.7	56.7	58.8	58.7	58.8	58.8	58.9	58.9	58.9

Noise sensitive receivers applied with acoustic window (baffle type)
Noise sensitive receivers applied with acoustic balcony

Floor	R101max	R102max	R103max	R104max	R105max	R106max	R107max	R108max	R109max	R201max	R202max	R203max	R204max	R205max	R206max	R207max	R208max	R209max
40																		
39																		
38																		
37										60.6	60.7	60.1	58.6	56.2	59.6	59.6	59.5	59.6
36										60.6	60.7	60.1	58.6	56.1	59.6	59.6	59.6	59.7
35										60.6	60.6	60.1	58.6	56.1	59.6	59.7	59.6	59.7
34										60.5	60.6	60.1	58.5	56.0	59.7	59.7	59.7	59.8
33										60.5	60.6	60.1	58.5	56.0	59.7	59.7	59.7	59.8
32										60.5	60.6	60.1	58.5	56.0	59.7	59.8	59.7	59.8
31										60.5	60.6	60.0	58.5	55.9	59.7	59.8	59.8	59.9
30										60.4	60.5	60.0	58.5	55.9	59.7	59.8	59.8	59.9
29	60.1	62.2	62.9	65.4	61.2	60.7	60.2	60.1	59.9	60.4	60.5	59.9	58.4	55.9	59.7	59.8	59.8	60.0
28	60.1	62.3	62.9	65.5	61.3	60.8	60.2	60.2	59.9	60.3	60.5	59.9	58.4	55.9	59.7	59.8	59.9	60.0
27	60.1	62.3	63.0	65.5	61.4	60.9	60.3	60.2	60.0	60.3	60.4	59.8	58.3	55.8	59.7	59.8	59.9	60.1
26	60.1	62.3	63.1	65.6	61.5	61.0	60.4	60.3	60.0	60.2	60.3	59.8	58.2	55.7	59.7	59.8	59.9	60.1
25	60.0	62.4	63.1	65.7	61.6	61.1	60.4	60.3	60.1	60.1	60.2	59.7	58.1	55.7	59.7	59.9	59.9	60.2
24	60.0	62.4	63.2	65.8	61.6	61.2	60.5	60.4	60.1	60.0	60.2	59.6	58.0	55.6	59.7	59.9	60.0	60.2
23	60.0	62.4	63.3	65.9	61.8	61.2	60.6	60.4	60.1	59.9	60.0	59.4	57.9	55.5	59.7	59.9	60.0	60.2
22	59.9	62.4	63.3	66.0	61.9	61.3	60.6	60.5	60.2	59.8	59.9	59.3	57.8	55.4	59.7	59.9	60.0	60.3
21	59.9	62.5	63.4	66.1	61.9	61.4	60.7	60.5	60.2	59.6	59.8	59.2	57.6	55.3	59.7	59.9	60.1	60.4
20	59.8	62.5	63.5	66.2	62.1	61.5	60.8	60.5	60.3	59.5	59.6	59.0	57.4	55.2	59.6	59.9	60.1	60.4
19	59.7	62.5	63.6	66.3	62.2	61.6	60.9	60.6	60.3	59.3	59.4	58.8	57.2	55.0	59.6	59.8	60.1	60.5
18	59.6	62.5	63.6	66.4	62.3	61.7	61.0	60.6	60.3	59.1	59.2	58.5	57.0	54.8	59.5	59.8	60.2	60.5
17	59.5	62.5	63.7	66.5	62.4	61.8	61.0	60.7	60.3	58.9	59.0	58.3	56.7	54.6	59.5	59.8	60.2	60.6
16	59.4	62.5	63.8	66.6	62.5	61.8	61.1	60.7	60.3	58.6	58.8	58.0	56.4	54.4	59.4	59.8	60.3	60.7
15	59.2	62.5	63.9	66.8	62.6	61.9	61.2	60.8	60.3	58.4	58.5	57.7	56.1	54.1	59.3	59.7	60.3	60.7
14	59.0	62.5	64.0	66.9	62.7	62.0	61.2	60.8	60.3	58.2	58.2	57.4	55.8	53.8	59.2	59.7	60.3	60.8
13	58.8	62.5	64.0	67.0	62.9	62.1	61.3	60.9	60.4	57.9	58.0	57.1	55.5	53.5	59.1	59.7	60.3	60.8
12	58.6	62.4	64.1	67.1	63.0	62.2	61.4	60.9	60.4	57.7	57.7	56.8	55.2	53.3	58.9	59.7	60.3	60.9
11	58.3	62.4	64.2	67.3	63.1	62.3	61.5	61.0	60.5	57.5	57.5	56.4	54.8	53.0	58.7	59.6	60.3	60.9
10	58.0	62.4	64.3	67.4	63.2	62.5	61.6	61.1	60.5	57.2	57.2	56.1	54.4	52.6	58.5	59.5	60.2	60.9
9	57.6	62.3	64.4	67.5	63.3	62.5	61.7	61.1	60.6	56.9	56.9	55.7	54.1	52.2	58.3	59.4	60.1	60.8
8	57.2	62.2	64.5	67.7	63.4	62.6	61.8	61.2	60.6	56.6	56.6	55.3	53.7	51.8	58.1	59.2	59.9	60.7
7	56.8	62.1	64.6	67.8	63.6	62.8	61.9	61.2	60.6	56.4	56.3	55.0	53.4	51.5	58.0	59.1	59.7	60.5
6	56.5	62.0	64.7	68.0	63.7	62.9	61.9	61.3	60.6	56.2	56.1	54.7	53.1	51.3	57.9	59.0	59.6	60.3
5	56.2	61.8	64.7	68.1	63.8	62.9	62.0	61.2	60.4	56.0	55.9	54.4	52.8	51.0	57.8	58.9	59.3	60.0
4	55.7	61.6	64.7	68.2	63.9	63.0	61.9	61.1	60.3	55.9	55.7	54.1	52.5	50.6	57.6	58.8	59.1	59.7
3	55.2	61.3	64.6	68.4	63.9	62.8	61.6	60.9	60.1	55.7	55.5	53.8	52.1	50.2	57.5	58.7	58.8	59.3
2	54.7	61.2	63.9	68.5	63.6	62.4	61.4	60.7	59.9	55.5	55.3	53.5	51.8	49.9	57.4	58.4	58.3	58.9
1	54.1	61.1	63.4	68.4	63.0	62.0	60.8	60.0	58.8	55.4	55.1	53.2	51.5	49.6	57.2	58.1	58.0	58.3
Max	60.1	62.5	64.7	68.5	63.9	63.0	62.0	61.3	60.6	60.6	60.7	60.1	58.6	56.2	59.7	59.9	60.3	60.9
Min	54.1	61.1	62.9	65.4	61.2	60.7	60.2	60.0	58.8	55.4	55.1	53.2	51.5	49.6	57.2	58.1	58.0	58.3

Total Flats	7052
Exceedance	0
Compliance Rate	100.0%

Floor	R210max	R211max	R212max	R213max	R214max	R215max	R216max	R217max	R218max	R301max	R302max	R303max	R304max	R305max	R306max	R307max	R308max	R401max
40																		
39										63.2	62.7	62.5	62.4	62.2	61.8	53.7	61.7	57.5
38										63.1	62.7	62.5	62.4	62.2	61.7	53.7	61.6	57.5
37	59.6	55.9	<40	<40	<40	<40	<40	51.9	55.5	63.1	62.6	62.5	62.4	62.2	61.7	53.7	61.6	57.4
36	59.6	56.0	<40	<40	<40	<40	<40	51.9	55.5	63.0	62.6	62.4	62.3	62.1	61.7	53.8	61.6	57.4
35	59.7	56.0	<40	<40	<40	<40	<40	52.0	55.5	63.0	62.5	62.4	62.3	62.1	61.6	53.8	61.5	57.4
34	59.7	56.1	<40	<40	<40	<40	<40	52.1	55.6	62.9	62.4	62.3	62.2	62.0	61.5	53.8	61.4	57.3
33	59.7	56.2	<40	<40	<40	<40	<40	52.1	55.6	62.9	62.4	62.2	62.1	61.9	61.5	53.8	61.3	57.3
32	59.8	56.3	<40	<40	<40	<40	<40	52.2	55.7	62.8	62.3	62.1	62.0	61.8	61.4	53.9	61.2	57.2
31	59.9	56.4	<40	<40	<40	<40	<40	52.3	55.8	62.7	62.2	62.0	61.9	61.7	61.3	53.9	61.1	57.1
30	59.9	56.4	<40	<40	<40	<40	<40	52.3	55.9	62.5	62.0	61.9	61.8	61.6	61.2	53.9	61.0	57.0
29	60.0	56.5	<40	<40	<40	<40	<40	52.4	55.9	62.4	61.9	61.8	61.6	61.4	61.0	53.9	60.9	56.9
28	60.1	56.6	<40	<40	<40	<40	<40	52.5	56.0	62.2	61.7	61.6	61.5	61.3	60.9	54.0	60.7	56.8
27	60.1	56.7	<40	<40	<40	<40	<40	52.6	56.1	62.0	61.6	61.4	61.3	61.1	60.7	54.0	60.5	56.6
26	60.2	56.8	<40	<40	<40	<40	<40	52.7	56.2	61.8	61.3	61.2	61.1	60.9	60.5	54.0	60.3	56.5
25	60.3	56.9	<40	<40	<40	<40	<40	52.7	56.3	61.6	61.1	60.9	60.8	60.6	60.2	54.0	60.0	56.2
24	60.4	57.0	<40	<40	<40	<40	<40	52.8	56.3	61.2	60.8	60.7	60.5	60.3	59.9	54.0	59.7	56.0
23	60.4	57.1	<40	<40	<40	<40	<40	52.9	56.4	60.9	60.4	60.3	60.2	60.1	59.7	54.0	59.4	55.7
22	60.5	57.2	<40	<40	<40	<40	<40	53.0	56.5	60.6	60.1	60.0	60.0	59.8	59.4	54.0	59.1	55.5
21	60.6	57.2	<40	<40	<40	<40	<40	53.1	56.6	60.3	59.9	59.8	59.7	59.5	59.1	54.1	58.8	55.1
20	60.7	57.3	<40	<40	<40	<40	<40	53.2	56.7	60.0	59.6	59.5	59.4	59.2	58.8	54.2	58.5	54.8
19	60.8	57.5	<40	<40	<40	<40	<40	53.3	56.8	59.7	59.2	59.2	59.1	58.9	58.6	54.2	58.1	54.6
18	60.9	57.6	<40	<40	<40	<40	<40	53.4	56.9	59.3	58.9	58.8	58.7	58.6	58.2	54.2	57.8	54.4
17	61.0	57.7	<40	<40	<40	<40	<40	53.5	56.9	59.0	58.5	58.5	58.4	58.2	57.9	54.2	57.4	53.9
16	61.1	57.8	<40	<40	<40	<40	<40	53.6	57.1	58.5	58.2	58.1	58.0	57.9	57.5	54.2	57.1	53.5
15	61.2	57.9	<40	<40	<40	<40	<40	53.7	57.1	58.1	57.8	57.7	57.7	57.5	57.2	54.1	56.7	53.0
14	61.3	58.0	<40	<40	<40	<40	<40	53.8	57.2	57.8	57.4	57.3	57.3	57.2	56.8	54.0	56.3	52.6
13	61.4	58.1	<40	<40	<40	<40	<40	53.9	57.3	57.5	57.1	57.0	57.0	56.8	56.5	53.9	56.0	52.1
12	61.5	58.2	<40	<40	<40	<40	<40	54.0	57.4	57.2	56.8	56.7	56.7	56.6	56.2	53.6	55.7	51.8
11	61.6	58.3	<40	<40	<40	<40	<40	54.1	57.4	56.9	56.5	56.5	56.5	56.3	56.0	53.3	55.4	51.5
10	61.7	58.5	<40	<40	<40	<40	<40	54.2	57.4	56.7	56.3	56.2	56.2	56.1	55.7	52.7	55.3	51.1
9	61.8	58.6	<40	<40	<40	<40	<40	54.3	57.5	56.6	56.1	56.0	56.0	55.9	55.5	52.0	55.0	51.0
8	61.8	58.7	<40	<40	<40	<40	<40	54.5	57.4	56.4	56.0	55.9	55.8	55.7	55.3	51.5	54.9	50.9
7	61.7	58.8	<40	<40	<40	<40	<40	54.6	57.3	56.0	55.7	55.7	55.7	55.6	55.2	50.7	54.6	50.4
6	61.5	58.9	<40	<40	<40	<40	<40	54.7	57.2	55.7	55.3	55.4	55.3	55.3	55.0	50.2	54.3	49.9
5	61.2	59.0	<40	<40	<40	<40	<40	54.8	57.0	55.3	55.0	55.0	55.0	54.9	54.6	49.5	53.9	49.5
4	60.7	59.0	<40	<40	<40	<40	<40	54.9	56.8	55.0	54.6	54.6	54.6	54.6	54.3	46.1	53.6	49.2
3	60.2	58.9	<40	<40	<40	<40	<40	54.9	56.4	54.7	54.3	54.3	54.3	54.2	54.0	43.5	53.3	48.8
2	59.6	58.7	<40	<40	<40	<40	<40	54.6	55.8	54.4	54.0	54.1	54.0	54.0	53.7	43.0	53.0	48.5
1	58.8	58.1	<40	<40	<40	<40	<40	54.1	55.1	54.1	53.8	53.8	53.8	53.7	53.4	42.3	52.7	48.3
Max	61.8	59.0	<40	<40	<40	<40	<40	54.9	57.5	63.2	62.7	62.5	62.4	62.2	61.8	54.2	61.7	57.5
Min	58.8	55.9	<40	<40	<40	<40	<40	51.9	55.1	54.1	53.8	53.8	53.8	53.7	53.4	42.3	52.7	48.3

Floor	R402max	R403max	R404max	R405max	R406max	R407max	R408max	R501max	R502max	R503max	R504max	R505max	R506max	R507max	R508max	R509max	R510max	R601max
40																		
39	62.6	63.4	60.7	61.1	61.8	62.3	56.2	62.8	62.1	62.2	57.3	56.1	55.1	54.5	61.9	61.7	61.8	
38	62.6	63.4	60.7	61.1	61.9	62.3	56.2	62.8	62.1	62.2	57.4	56.1	55.2	54.5	61.9	61.6	61.8	64.3
37	62.6	63.5	60.8	61.1	61.9	62.3	56.2	62.8	62.1	62.2	57.4	56.1	55.2	54.5	61.9	61.6	61.8	64.3
36	62.6	63.4	60.7	61.1	61.8	62.3	56.2	62.8	62.1	62.2	57.4	56.2	55.2	54.5	61.9	61.6	61.8	64.3
35	62.6	63.4	60.7	61.0	61.8	62.3	56.1	62.8	62.1	62.2	57.4	56.2	55.2	54.5	61.8	61.6	61.8	64.4
34	62.5	63.4	60.7	61.1	61.8	62.3	56.1	62.8	62.1	62.2	57.4	56.2	55.3	54.5	61.8	61.5	61.7	64.4
33	62.5	63.4	60.6	61.0	61.8	62.3	56.1	62.8	62.1	62.2	57.4	56.2	55.2	54.5	61.7	61.5	61.7	64.4
32	62.4	63.4	60.6	61.0	61.8	62.3	56.0	62.7	62.1	62.2	57.4	56.2	55.3	54.5	61.6	61.4	61.6	64.4
31	62.4	63.4	60.6	60.9	61.8	62.2	56.0	62.7	62.0	62.2	57.4	56.2	55.2	54.5	61.6	61.4	61.6	64.4
30	62.4	63.4	60.5	60.9	61.7	62.2	56.0	62.7	62.0	62.2	57.4	56.2	55.3	54.5	61.5	61.3	61.5	64.4
29	62.3	63.3	60.4	60.8	61.7	62.2	55.9	62.6	62.0	62.1	57.4	56.2	55.2	54.5	61.4	61.2	61.4	64.3
28	62.2	63.2	60.4	60.8	61.6	62.1	55.8	62.5	61.9	62.1	57.4	56.2	55.3	54.5	61.3	61.1	61.3	64.3
27	62.1	63.1	60.3	60.7	61.6	62.0	55.7	62.5	61.8	62.0	57.4	56.2	55.2	54.5	61.2	61.0	61.2	64.3
26	62.0	63.0	60.2	60.6	61.5	62.0	55.7	62.4	61.7	61.9	57.4	56.2	55.2	54.5	61.0	60.8	61.0	64.3
25	61.8	62.9	60.0	60.5	61.4	61.9	55.5	62.3	61.6	61.9	57.4	56.1	55.2	54.5	60.8	60.6	60.9	64.2
24	61.6	62.7	59.9	60.3	61.3	61.8	55.3	62.1	61.5	61.7	57.3	56.1	55.2	54.4	60.6	60.4	60.7	64.2
23	61.4	62.5	59.7	60.2	61.1	61.6	55.2	62.0	61.3	61.6	57.3	56.0	55.1	54.4	60.4	60.1	60.4	64.1
22	61.1	62.2	59.5	60.0	61.0	61.5	55.0	61.7	61.1	61.4	57.2	56.0	55.0	54.3	60.1	59.8	60.1	64.0
21	60.8	61.9	59.2	59.8	60.8	61.3	54.8	61.5	60.8	61.2	57.2	55.9	55.0	54.2	59.8	59.5	59.8	63.9
20	60.5	61.5	58.9	59.6	60.6	61.1	54.5	61.2	60.5	61.0	57.1	55.8	54.9	54.2	59.5	59.2	59.4	63.7
19	60.1	61.1	58.7	59.3	60.3	60.8	54.4	60.9	60.2	60.7	57.0	55.8	54.8	54.0	59.2	58.9	59.1	63.5
18	59.8	60.7	58.4	59.0	60.1	60.6	54.3	60.6	59.9	60.4	56.9	55.7	54.7	54.0	58.9	58.5	58.7	63.4
17	59.3	60.1	58.0	58.6	59.8	60.2	54.2	60.3	59.5	60.1	56.8	55.6	54.6	53.9	58.6	58.2	58.4	63.1
16	58.8	59.6	57.6	58.2	59.4	59.9	53.9	59.9	59.2	59.9	56.7	55.5	54.5	53.8	58.2	57.8	57.9	62.9
15	58.3	59.1	57.1	57.7	59.0	59.5	53.7	59.6	58.8	59.6	56.6	55.3	54.4	53.8	57.9	57.4	57.5	62.5
14	57.9	58.6	56.7	57.4	58.7	59.1	53.5	59.3	58.4	59.2	56.4	55.2	54.3	53.7	57.5	57.0	57.1	62.2
13	57.5	58.2	56.3	57.0	58.4	58.9	53.3	58.9	58.1	58.9	56.3	55.1	54.2	53.6	57.1	56.6	56.7	61.8
12	57.1	57.7	55.9	56.6	58.1	58.5	53.2	58.6	57.7	58.6	56.1	54.9	54.1	53.5	56.8	56.2	56.3	61.4
11	56.7	57.3	55.3	56.0	57.6	58.1	52.9	58.3	57.4	58.3	55.8	54.7	53.9	53.5	56.5	55.8	56.0	61.0
10	56.2	56.8	54.8	55.5	57.3	57.8	52.8	58.0	57.1	58.0	55.5	54.5	53.8	53.4	56.2	55.6	55.7	60.6
9	55.9	56.4	54.4	55.1	56.9	57.4	52.7	57.8	56.8	57.8	55.3	54.2	53.6	53.3	55.9	55.3	55.3	60.2
8	55.6	56.1	54.1	54.7	56.7	57.2	52.6	57.5	56.6	57.5	55.1	54.0	53.5	53.2	55.7	55.0	55.1	59.9
7	55.1	55.6	53.7	54.4	56.4	56.9	52.6	57.3	56.3	57.2	54.8	53.8	53.3	53.1	55.4	54.8	54.9	59.5
6	54.6	55.1	53.2	53.9	56.1	56.6	52.4	57.1	56.1	56.9	54.3	53.6	53.2	53.0	55.1	54.7	54.7	59.2
5	54.2	54.6	52.6	53.5	55.8	56.4	52.3	56.9	55.9	56.6	53.4	53.4	53.2	52.8	54.9	54.4	54.4	58.9
4	53.7	54.1	52.1	53.0	55.5	56.1	52.0	56.6	55.6	56.3	53.1	53.4	53.1	52.6	54.4	54.0	54.0	58.6
3	53.3	53.7	51.6	52.5	55.2	55.8	51.6	56.4	55.4	56.0	52.9	53.3	53.1	52.6	54.0	53.6	53.6	58.4
2	53.0	53.2	51.1	51.9	54.9	55.5	51.2	56.2	55.2	55.8	52.8	53.2	53.1	52.5	53.6	53.3	53.3	58.2
1	52.4	52.4	50.1	50.8	54.3	55.0	51.1	56.1	55.0	55.7	52.6	53.2	53.0	52.5	53.3	53.0	53.0	57.9
Max	62.6	63.5	60.8	61.1	61.9	62.3	56.2	62.8	62.1	62.2	57.4	56.2	55.3	54.5	61.9	61.7	61.8	64.4
Min	52.4	52.4	50.1	50.8	54.3	55.0	51.1	56.1	55.0	55.7	52.6	53.2	53.0	52.5	53.3	53.0	53.0	57.9

Floor	R602max	R603max	R604max	R605max	R606max	R607max	R608max	R609max	R610max	R611max	R612max	R613max	R614max	R615max	R616max	R617max	R618max	R619max
40																		
39																		
38	64.6	64.7	64.8	64.8	65.1	65.5	67.1	67.0	61.2	60.5	59.7	59.1	58.7	60.3	62.4	60.2	58.6	54.2
37	64.6	64.7	64.8	64.9	65.1	65.5	67.1	67.0	61.3	60.5	59.7	59.2	58.7	60.4	62.4	60.2	58.7	54.1
36	64.6	64.7	64.8	64.9	65.1	65.5	67.1	67.1	61.3	60.6	59.8	59.2	58.8	60.4	62.5	60.3	58.7	54.0
35	64.7	64.7	64.8	64.9	65.1	65.5	67.2	67.1	61.4	60.6	59.8	59.2	58.8	60.5	62.5	60.3	58.8	53.9
34	64.7	64.8	64.8	64.9	65.1	65.5	67.2	67.1	61.4	60.7	59.8	59.3	58.8	60.5	62.5	60.4	58.8	53.9
33	64.7	64.8	64.8	64.9	65.1	65.5	67.2	67.1	61.5	60.7	59.9	59.3	58.9	60.5	62.6	60.4	58.8	53.8
32	64.7	64.8	64.9	64.9	65.1	65.6	67.2	67.2	61.5	60.8	60.0	59.4	58.9	60.5	62.6	60.5	58.9	53.7
31	64.7	64.8	64.9	64.9	65.2	65.5	67.2	67.2	61.5	60.8	60.0	59.4	59.0	60.6	62.6	60.5	58.9	53.7
30	64.7	64.8	64.9	64.9	65.2	65.6	67.3	67.2	61.6	60.9	60.0	59.4	59.0	60.6	62.7	60.5	59.0	53.6
29	64.7	64.8	64.9	64.9	65.2	65.6	67.2	67.2	61.7	60.9	60.1	59.5	59.0	60.6	62.7	60.5	59.0	53.5
28	64.7	64.8	64.9	64.9	65.1	65.5	67.2	67.3	61.7	61.0	60.1	59.5	59.0	60.7	62.7	60.6	59.1	53.5
27	64.6	64.7	64.8	64.9	65.1	65.5	67.2	67.3	61.7	61.0	60.1	59.5	59.1	60.7	62.7	60.6	59.1	53.4
26	64.6	64.7	64.8	64.9	65.1	65.5	67.1	67.2	61.8	61.1	60.2	59.6	59.1	60.7	62.7	60.6	59.1	53.3
25	64.6	64.7	64.8	64.9	65.1	65.5	67.1	67.2	61.8	61.1	60.2	59.6	59.2	60.7	62.7	60.7	59.2	53.2
24	64.5	64.6	64.7	64.8	65.0	65.4	67.0	67.1	61.8	61.2	60.3	59.6	59.2	60.8	62.8	60.7	59.2	53.0
23	64.5	64.6	64.7	64.8	65.0	65.4	67.0	67.1	61.9	61.2	60.3	59.7	59.2	60.7	62.7	60.7	59.2	52.9
22	64.4	64.5	64.6	64.7	64.9	65.3	66.9	67.0	61.9	61.2	60.3	59.7	59.2	60.8	62.7	60.7	59.2	52.7
21	64.3	64.4	64.5	64.6	64.8	65.2	66.9	67.0	61.9	61.3	60.4	59.7	59.2	60.8	62.7	60.7	59.3	52.5
20	64.1	64.2	64.4	64.5	64.7	65.1	66.8	66.9	62.0	61.3	60.4	59.7	59.2	60.7	62.7	60.7	59.2	52.3
19	63.9	64.1	64.2	64.3	64.5	64.9	66.7	66.8	62.0	61.4	60.4	59.7	59.3	60.7	62.7	60.7	59.3	52.0
18	63.7	63.9	64.0	64.1	64.4	64.8	66.6	66.7	62.0	61.4	60.4	59.7	59.2	60.7	62.6	60.7	59.2	51.8
17	63.5	63.6	63.8	63.9	64.2	64.6	66.4	66.6	62.0	61.4	60.4	59.7	59.2	60.7	62.5	60.7	59.2	51.5
16	63.2	63.3	63.5	63.7	63.9	64.3	66.3	66.5	62.0	61.4	60.4	59.7	59.2	60.6	62.5	60.6	59.2	51.2
15	62.8	63.0	63.1	63.3	63.6	64.0	66.0	66.3	62.0	61.4	60.4	59.6	59.2	60.5	62.4	60.6	59.2	51.0
14	62.4	62.6	62.8	63.0	63.3	63.7	65.8	66.1	62.0	61.4	60.3	59.6	59.1	60.4	62.2	60.6	59.2	50.7
13	62.1	62.2	62.3	62.6	62.9	63.3	65.5	65.9	62.0	61.4	60.3	59.5	59.0	60.3	62.1	60.4	59.1	50.4
12	61.7	61.8	61.9	62.2	62.5	62.9	65.2	65.6	61.9	61.4	60.2	59.4	58.8	60.1	62.0	60.4	59.1	50.1
11	61.3	61.4	61.5	61.7	62.0	62.4	64.9	65.4	61.9	61.3	60.1	59.2	58.6	60.0	61.8	60.2	58.9	49.9
10	60.8	60.9	61.0	61.3	61.6	61.9	64.6	65.1	61.9	61.3	60.0	58.9	58.3	59.7	61.6	60.0	58.7	49.5
9	60.4	60.5	60.6	60.8	61.2	61.5	64.3	64.9	61.9	61.3	59.7	58.6	58.0	59.4	61.3	59.8	58.5	49.1
8	60.1	60.2	60.3	60.5	60.8	61.1	64.0	64.7	61.8	61.1	59.4	58.2	57.8	59.2	61.1	59.6	58.4	48.8
7	59.7	59.8	59.9	60.1	60.4	60.7	63.8	64.5	61.8	60.9	59.0	57.9	57.6	58.9	60.8	59.4	58.3	48.5
6	59.4	59.5	59.6	59.8	60.1	60.4	63.6	64.3	61.8	60.7	58.7	57.7	57.5	58.8	60.7	59.3	58.3	48.3
5	59.1	59.2	59.3	59.5	59.8	60.1	63.4	64.2	61.7	60.4	58.5	57.6	57.4	58.7	60.5	59.2	58.2	48.1
4	58.8	58.9	59.0	59.2	59.5	59.8	63.2	64.0	61.6	60.1	58.2	57.6	57.4	58.7	60.5	59.2	58.2	47.9
3	58.6	58.7	58.7	58.9	59.2	59.5	62.9	63.9	61.2	59.7	57.9	57.4	57.3	58.6	60.4	59.2	58.2	47.8
2	58.3	58.4	58.4	58.6	58.9	59.2	62.6	63.6	60.8	59.0	57.5	57.3	57.2	58.6	60.4	59.2	58.2	47.7
1	58.0	58.1	58.2	58.3	58.6	58.9	62.2	63.1	60.1	58.1	57.2	57.2	57.2	58.5	60.3	59.1	58.2	47.6
Max	64.7	64.8	64.9	64.9	65.2	65.6	67.3	67.3	62.0	61.4	60.4	59.7	59.3	60.8	62.8	60.7	59.3	54.2
Min	58.0	58.1	58.2	58.3	58.6	58.9	62.2	63.1	60.1	58.1	57.2	57.2	57.2	58.5	60.3	59.1	58.2	47.6

Floor	R620max	R621max	R701max	R702max	R703max	R704max	R705max	R706max	R707max	R708max	R709max	R710max	R711max	R712max	R713max	R714max	R715max	R716max
40																		
39																		
38	56.3	60.3																
37	56.2	60.3																
36	56.2	60.2																
35	56.1	60.2																
34	56.1	60.2																
33	56.0	60.1																
32	55.9	60.1	67.1	67.2	66.8	66.5	66.9	68.3	66.0	64.8	65.3	65.8	54.6	<40	<40	<40	<40	<40
31	55.9	60.1	67.2	67.2	66.8	66.5	66.9	68.3	66.1	64.9	65.4	65.9	54.7	<40	<40	<40	<40	<40
30	55.8	60.0	67.2	67.2	66.9	66.5	66.9	68.4	66.2	65.0	65.5	66.0	54.8	<40	<40	<40	<40	<40
29	55.7	60.0	67.2	67.2	66.9	66.5	66.9	68.4	66.2	65.1	65.6	66.1	54.9	<40	<40	<40	<40	<40
28	55.7	59.9	67.2	67.2	66.9	66.5	66.9	68.5	66.4	65.2	65.7	66.2	55.0	<40	<40	<40	<40	<40
27	55.6	59.8	67.2	67.2	66.9	66.5	66.9	68.5	66.4	65.3	65.8	66.3	55.2	<40	<40	<40	<40	<40
26	55.5	59.8	67.2	67.2	66.9	66.5	66.9	68.5	66.5	65.5	65.9	66.4	55.3	<40	<40	<40	<40	<40
25	55.4	59.7	67.2	67.2	66.9	66.5	66.9	68.6	66.6	65.6	66.0	66.5	55.4	<40	<40	<40	<40	<40
24	55.2	59.6	67.1	67.2	66.8	66.4	66.8	68.6	66.7	65.7	66.2	66.6	55.5	<40	<40	<40	<40	<40
23	55.1	59.4	67.1	67.1	66.8	66.4	66.8	68.7	66.8	65.8	66.3	66.7	55.7	<40	<40	<40	<40	<40
22	54.9	59.3	67.0	67.1	66.8	66.3	66.8	68.7	66.9	66.0	66.4	66.8	55.8	<40	<40	<40	<40	<40
21	54.7	59.1	66.9	67.0	66.7	66.3	66.7	68.7	67.1	66.1	66.6	66.9	55.9	<40	<40	<40	<40	<40
20	54.5	59.0	66.9	66.9	66.7	66.2	66.6	68.7	67.2	66.2	66.6	67.0	56.1	<40	<40	<40	<40	<40
19	54.3	58.8	66.8	66.8	66.6	66.1	66.6	68.8	67.3	66.3	66.8	67.2	56.2	<40	<40	<40	<40	<40
18	54.0	58.5	66.7	66.7	66.5	65.9	66.4	68.8	67.4	66.5	66.9	67.3	56.4	<40	<40	<40	<40	<40
17	53.7	58.3	66.6	66.6	66.4	65.8	66.3	68.8	67.6	66.7	67.1	67.4	56.5	<40	<40	<40	<40	<40
16	53.4	58.0	66.4	66.5	66.2	65.6	66.2	68.8	67.7	66.8	67.2	67.5	56.7	<40	<40	<40	<40	<40
15	53.2	57.8	66.2	66.3	66.0	65.4	65.9	68.8	67.8	67.0	67.4	67.7	56.8	<40	<40	<40	<40	<40
14	52.9	57.4	66.0	66.1	65.8	65.1	65.7	68.7	68.0	67.1	67.5	67.8	57.0	<40	<40	<40	<40	<40
13	52.6	57.0	65.8	65.8	65.5	64.7	65.4	68.7	68.1	67.3	67.7	68.0	57.2	<40	<40	<40	<40	<40
12	52.3	56.7	65.5	65.5	65.2	64.4	65.1	68.7	68.3	67.5	67.9	68.1	57.4	<40	<40	<40	<40	<40
11	52.1	56.4	65.2	65.3	65.0	64.0	64.8	68.7	68.5	67.7	68.0	68.3	57.6	<40	<40	<40	<40	<40
10	51.7	56.0	64.9	65.0	64.7	63.6	64.5	68.7	68.6	67.9	68.2	68.5	57.8	<40	<40	<40	<40	<40
9	51.3	55.7	64.7	64.8	64.4	63.2	64.2	68.8	68.8	68.1	68.4	68.7	57.9	<40	<40	<40	<40	<40
8	51.0	55.2	64.4	64.5	64.2	62.8	63.9	68.8	69.0	68.3	68.6	68.9	58.1	<40	<40	<40	<40	<40
7	50.7	54.8	64.2	64.3	63.9	62.5	63.6	68.9	69.3	68.5	68.8	69.1	58.4	<40	<40	<40	<40	<40
6	50.5	54.5	64.1	64.2	63.8	62.1	63.4	69.0	69.5	68.7	69.0	69.3	58.6	<40	<40	<40	<40	<40
5	50.2	54.2	63.9	64.0	63.6	61.9	63.2	69.2	69.7	68.9	69.3	69.6	58.8	<40	<40	<40	<40	<40
4	50.0	53.9	63.8	63.9	63.4	61.5	63.0	69.3	70.0	68.8	69.4	69.8	59.0	<40	<40	<40	<40	<40
3	49.9	53.7	63.7	63.8	63.2	61.2	62.8	69.3	70.2	68.0	69.2	70.0	59.3	<40	<40	<40	<40	<40
2	49.8	53.6	63.6	63.7	63.1	60.7	62.6	69.5	70.3	63.5	66.2	70.1	59.5	<40	<40	<40	<40	<40
1	49.6	53.3	62.9	63.5	62.9	59.6	61.1	69.6	66.3	57.1	59.0	65.1	57.4	<40	<40	<40	<40	<40
Max	56.3	60.3	67.2	67.2	66.9	66.5	66.9	69.6	70.3	68.9	69.4	70.1	59.5	<40	<40	<40	<40	<40
Min	49.6	53.3	62.9	63.5	62.9	59.6	61.1	68.3	66.0	57.1	59.0	65.1	54.6	<40	<40	<40	<40	<40

Floor	R717max	R718max	R801max	R802max	R803max	R804max	R805max	R806max	R807max	R808max	R809max	R810max	R811max	R812max	R813max	R901max	R902max	R903max
40																		
39																		
38			66.4	66.7	63.3	<40	<40	<40	<40	<40	57.4	64.1	64.3	64.6	66.3			
37			66.4	66.7	63.2	<40	<40	<40	<40	<40	57.4	64.1	64.4	64.6	66.4			
36			66.4	66.7	63.2	<40	<40	<40	<40	<40	57.5	64.2	64.5	64.7	66.5			
35			66.4	66.7	63.2	<40	<40	<40	<40	<40	57.5	64.3	64.5	64.8	66.5			
34			66.5	66.8	63.2	<40	<40	<40	<40	<40	57.5	64.4	64.6	64.8	66.6			
33			66.6	66.9	63.2	<40	<40	<40	<40	<40	57.6	64.4	64.7	64.9	66.7			
32	45.6	58.7	66.6	66.9	63.2	<40	<40	<40	<40	<40	57.6	64.5	64.8	65.0	66.8			
31	45.7	58.7	66.8	67.0	63.2	<40	<40	<40	<40	<40	57.7	64.6	64.8	65.1	66.9			
30	45.9	58.7	66.8	67.0	63.3	<40	<40	<40	<40	<40	57.7	64.7	64.9	65.2	67.0			
29	46.0	58.7	66.9	67.1	63.3	<40	<40	<40	<40	<40	57.8	64.8	65.0	65.2	67.1			
28	46.1	58.9	67.0	67.2	63.3	<40	<40	<40	<40	<40	57.8	64.9	65.1	65.3	67.1			
27	46.2	58.9	67.1	67.2	63.4	<40	<40	<40	<40	<40	57.9	65.0	65.2	65.4	67.2			
26	46.3	58.9	67.2	67.3	63.4	<40	<40	<40	<40	<40	57.9	65.1	65.2	65.5	67.3			
25	46.5	58.9	67.3	67.4	63.5	<40	<40	<40	<40	<40	58.0	65.1	65.3	65.6	67.4			
24	46.6	59.0	67.4	67.5	63.6	<40	<40	<40	<40	<40	58.0	65.2	65.5	65.6	67.5			
23	46.7	59.0	67.5	67.6	63.7	<40	<40	<40	<40	<40	58.1	65.3	65.6	65.8	67.6			
22	46.9	59.1	67.6	67.7	63.8	<40	<40	<40	<40	<40	58.1	65.5	65.6	65.9	67.8			
21	47.0	59.1	67.8	67.8	63.8	<40	<40	<40	<40	<40	58.2	65.6	65.8	66.0	67.9			
20	47.2	59.1	67.9	67.9	63.9	<40	<40	<40	<40	<40	58.2	65.7	65.9	66.1	68.0			
19	47.3	59.1	68.0	68.0	64.1	<40	<40	<40	<40	<40	58.3	65.8	66.0	66.2	68.2			
18	47.5	59.1	68.2	68.2	64.2	<40	<40	<40	<40	<40	58.3	65.9	66.1	66.3	68.3			
17	47.7	59.1	68.3	68.3	64.4	<40	<40	<40	<40	<40	58.4	66.1	66.2	66.5	68.4			
16	47.8	59.1	68.5	68.5	64.6	<40	<40	<40	<40	<40	58.4	66.2	66.4	66.6	68.6			
15	48.0	59.1	68.7	68.7	64.7	<40	<40	<40	<40	<40	58.5	66.3	66.5	66.7	68.8			
14	48.1	59.0	68.8	68.8	64.9	<40	<40	<40	<40	<40	58.6	66.5	66.7	66.8	68.9			
13	48.3	59.0	69.0	69.0	65.1	<40	<40	<40	<40	<40	58.6	66.6	66.8	67.0	69.1			
12	48.5	58.9	69.2	69.2	65.3	<40	<40	<40	<40	<40	58.7	66.8	66.9	67.2	69.3			
11	48.8	58.9	69.4	69.4	65.4	<40	<40	<40	<40	<40	58.8	66.9	67.1	67.3	69.5			
10	49.0	58.9	69.6	69.6	65.7	<40	<40	<40	<40	<40	58.9	67.1	67.3	67.5	69.7			
9	49.2	58.9	69.8	69.8	65.9	<40	<40	<40	<40	<40	59.0	67.2	67.4	67.7	69.9	49.0	49.0	49.0
8	49.4	58.8	70.1	70.1	66.1	<40	<40	<40	<40	<40	59.1	67.4	67.6	67.8	70.2	49.0	49.0	49.0
7	49.6	58.8	70.3	70.3	66.3	<40	<40	<40	<40	<40	59.2	67.6	67.8	68.0	70.4	49.0	49.0	49.0
6	49.9	58.8	68.1	69.7	66.6	<40	<40	<40	<40	<40	59.4	67.7	68.0	68.2	70.1	49.0	49.0	49.0
5	50.2	58.8	68.3	70.0	66.8	<40	<40	<40	<40	<40	59.5	67.9	68.1	68.4	70.4	49.0	49.0	49.1
4	50.3	58.4	68.6	70.3	67.1	<40	<40	<40	<40	<40	59.7	68.1	68.3	68.7	70.4	49.0	49.0	49.1
3	49.9	57.5	68.9	68.8	67.3	<40	<40	<40	<40	<40	59.8	68.2	68.5	68.8	70.2	49.0	49.0	49.1
2	44.9	56.9	69.2	69.2	67.6	<40	<40	<40	<40	<40	59.9	68.4	68.7	69.0	70.4	49.0	49.0	49.1
1	<40	56.6	69.5	69.5	67.8	<40	<40	<40	<40	<40	59.9	68.4	68.8	69.2	69.0	49.0	49.0	49.1
Max	<40	50.3	59.1	70.3	70.3	67.8	<40	<40	<40	<40	<40	59.9	68.4	68.8	69.2	70.4	49.0	49.0
Min	<40	<40	56.6	66.4	66.7	63.2	<40	<40	<40	<40	<40	57.4	64.1	64.3	64.6	66.3	49.0	49.0

Floor	R904max	R905max	R906max	R907max	R908max	R909max	R910max	R911max	R912max	R913max	R914max	R915max	R916max	R917max	R918max	R919max	R1001max	R1002max
40																		
39																		
38																		
37																		
36																		
35																		
34																		
33																		
32																		
31																		
30																		
29																		
28																		
27																		
26																		
25																	59.8	61.0
24																	59.6	60.8
23																	59.3	60.5
22																	58.9	60.1
21																	58.3	59.5
20																	57.6	58.9
19																	57.0	58.3
18																	56.2	57.6
17																	55.4	57.0
16																	54.7	56.4
15																	54.0	55.8
14																	53.4	55.3
13																	52.8	54.8
12																	52.3	54.3
11																	51.8	53.9
10																	51.5	53.5
9	49.8	59.4	59.8	60.7	61.5	62.9	64.7	65.4	64.5	66.1	66.9	66.9	61.3	59.9	59.6	49.0	50.9	52.9
8	49.7	59.2	59.7	60.6	61.5	63.0	64.9	65.5	64.6	66.2	67.0	67.0	61.5	60.0	59.8	49.0	50.3	52.4
7	49.7	59.0	59.4	60.5	61.4	63.0	64.9	65.6	64.7	66.4	67.2	67.1	61.6	60.1	59.9	49.0	49.8	52.0
6	49.6	58.4	59.0	60.2	61.2	63.0	65.0	65.7	64.8	66.5	67.4	67.3	61.7	60.3	60.0	49.0	49.4	51.6
5	49.6	57.9	58.4	59.8	60.9	62.8	65.0	65.8	64.9	66.6	67.5	67.4	61.8	60.4	60.1	49.0	49.0	51.3
4	49.6	57.0	57.6	59.1	60.4	62.5	64.9	65.8	64.8	66.7	67.7	67.5	62.0	60.5	60.2	49.0	48.6	51.0
3	49.6	55.4	56.3	58.2	59.5	62.0	64.7	65.6	64.6	66.7	67.8	67.6	62.1	60.6	60.3	49.0	48.3	50.5
2	49.6	53.3	54.1	56.4	58.3	61.3	64.3	65.4	64.4	66.6	67.8	67.6	62.2	60.7	60.4	49.0	47.9	50.2
1	49.6	50.9	51.3	53.7	55.7	59.7	63.7	65.0	63.7	66.4	67.7	67.6	62.3	60.9	60.5	49.0	47.6	49.8
Max	49.1	49.8	59.4	59.8	60.7	61.5	63.0	65.0	65.8	64.9	66.7	67.8	67.6	62.3	60.9	60.5	49.0	59.8
Min	49.0	49.6	50.9	51.3	53.7	55.7	59.7	63.7	65.0	63.7	66.1	66.9	66.9	61.3	59.9	59.6	49.0	47.6

Floor	R1003max	R1004max	R1005max	R1006max	R1007max	R1008max	R1009max	R1010max	R1011max	R1012max	R1013max	R1101max	R1102max	R1103max	R1104max	R1105max	R1106max	R1107max
40																		
39																		
38																		
37												66.4	62.7	62.2	62.1	61.8	61.3	60.9
36												66.4	62.7	62.2	62.1	61.8	61.4	60.9
35												66.4	62.7	62.2	62.2	61.8	61.4	61.0
34												66.4	62.8	62.3	62.2	61.9	61.4	61.0
33												66.5	62.8	62.3	62.2	61.9	61.5	61.1
32												66.5	62.8	62.3	62.2	61.9	61.5	61.1
31												66.5	62.8	62.3	62.2	62.0	61.5	61.1
30												66.5	62.8	62.3	62.2	62.0	61.6	61.2
29												66.4	62.8	62.3	62.2	62.0	61.6	61.2
28												66.5	62.8	62.3	62.2	62.0	61.6	61.3
27												66.4	62.8	62.3	62.2	62.0	61.6	61.3
26												66.4	62.8	62.3	62.2	62.0	61.6	61.3
25	65.3	65.3	64.1	63.7	62.7	62.2	52.2	52.0	52.3	60.3	62.8	66.4	62.8	62.3	62.2	62.0	61.6	61.3
24	65.0	65.1	63.8	63.5	62.5	62.0	52.2	52.0	52.4	60.1	62.5	66.3	62.7	62.2	62.1	62.0	61.6	61.3
23	64.7	64.8	63.6	63.3	62.2	61.8	52.2	52.0	52.4	59.9	62.2	66.3	62.7	62.2	62.1	62.0	61.5	61.3
22	64.4	64.4	63.2	62.9	61.9	61.4	52.1	52.0	52.4	59.5	61.8	66.2	62.6	62.1	62.0	61.9	61.5	61.3
21	63.9	63.9	62.8	62.5	61.5	61.1	52.1	52.0	52.4	59.1	61.4	66.1	62.5	62.1	61.9	61.8	61.4	61.2
20	63.4	63.5	62.4	62.1	61.2	60.7	52.0	52.0	52.4	58.6	61.0	66.0	62.5	62.0	61.9	61.7	61.3	61.1
19	63.0	63.0	61.9	61.7	60.8	60.4	52.0	52.0	52.4	58.2	60.6	65.9	62.4	61.9	61.8	61.5	61.1	61.0
18	62.4	62.5	61.5	61.2	60.4	60.0	51.8	52.0	52.3	57.7	60.1	65.7	62.3	61.7	61.7	61.3	60.9	60.7
17	61.9	61.9	60.9	60.6	59.9	59.5	51.7	51.9	52.3	57.2	59.6	65.5	62.1	61.6	61.6	61.0	60.5	60.4
16	61.3	61.4	60.4	60.1	59.5	59.0	51.6	51.7	52.2	56.8	59.2	65.2	61.9	61.5	61.4	60.6	60.1	60.0
15	60.8	60.8	60.0	59.7	59.0	58.6	51.3	51.6	52.0	56.3	58.7	64.9	61.7	61.3	61.2	60.2	59.5	59.4
14	60.4	60.4	59.5	59.3	58.6	58.1	51.2	51.5	51.9	56.0	58.3	64.5	61.5	61.0	60.9	59.6	58.8	58.5
13	60.0	60.0	59.1	58.9	58.2	57.7	51.0	51.4	51.8	55.6	57.9	64.1	61.2	60.7	60.6	59.2	58.1	57.8
12	59.7	59.7	58.7	58.5	57.8	57.4	50.9	51.2	51.7	55.3	57.6	63.7	60.8	60.4	60.3	58.7	57.4	56.9
11	59.4	59.5	58.4	58.2	57.6	57.1	50.6	51.0	51.5	54.9	57.3	63.2	60.5	60.1	60.0	58.2	56.7	56.2
10	58.9	58.9	58.1	57.9	57.4	57.0	50.3	50.7	51.2	54.6	57.1	62.6	60.0	59.6	59.6	57.8	56.1	55.6
9	58.3	58.4	57.6	57.4	56.9	56.5	49.8	50.3	50.8	54.2	56.6	62.1	59.6	59.3	59.3	57.4	55.6	55.1
8	57.9	58.0	57.1	57.0	56.4	56.0	49.5	50.0	50.5	53.8	56.1	61.6	59.2	58.8	58.8	57.1	55.1	54.5
7	57.5	57.5	56.7	56.5	56.0	55.6	49.1	49.7	50.2	53.4	55.7	61.1	58.7	58.4	58.3	56.8	54.7	54.1
6	57.2	57.2	56.4	56.2	55.6	55.3	49.0	49.5	50.0	53.2	55.3	60.7	58.2	57.9	57.9	56.5	54.3	53.7
5	56.9	56.8	56.1	55.9	55.3	55.0	48.8	49.4	50.0	52.9	55.0	60.4	57.8	57.4	57.4	56.3	54.0	53.3
4	56.5	56.5	55.7	55.5	55.0	54.7	48.7	49.3	49.9	52.7	54.8	60.1	57.4	57.1	57.0	56.0	53.6	52.8
3	56.1	56.1	55.3	55.1	54.6	54.3	48.5	49.3	49.9	52.6	54.6	59.6	57.0	56.6	56.6	55.5	53.0	52.3
2	55.7	55.7	54.9	54.7	54.2	53.8	48.3	49.3	49.9	52.4	54.3	59.1	56.6	56.1	56.1	55.0	52.6	51.8
1	55.4	55.4	54.6	54.4	53.7	53.1	48.1	49.3	49.8	52.2	54.0	58.7	56.2	55.7	55.6	54.5	52.2	51.5
Max	61.0	65.3	65.3	64.1	63.7	62.7	62.2	52.2	52.0	52.4	60.3	62.8	66.5	62.8	62.3	62.2	62.0	61.6
Min	49.8	55.4	55.4	54.6	54.4	53.7	53.1	48.1	49.3	49.8	52.2	54.0	58.7	56.2	55.7	55.6	54.5	52.2

Floor	R1108max	R1109max	R1110max	R1111max	R1112max	R1113max	R1201max	R1202max	R1203max	R1204max	R1205max	R1206max	R1207max	R1208max	R1209max	R1210max	R1211max	R1212max
40																		
39																		
38																		
37	60.7	59.7	59.5	64.6	66.7	66.6												
36	60.7	59.8	59.6	64.6	66.7	66.6												
35	60.8	59.9	59.6	64.6	66.7	66.6												
34	60.8	60.0	59.7	64.6	66.7	66.6												
33	60.9	60.0	59.8	64.7	66.8	66.7												
32	60.9	60.1	59.9	64.7	66.8	66.7												
31	61.0	60.1	59.9	64.7	66.8	66.7												
30	61.0	60.2	60.0	64.7	66.8	66.7												
29	61.1	60.2	60.1	64.7	66.8	66.7												
28	61.1	60.3	60.1	64.7	66.8	66.7												
27	61.1	60.3	60.2	64.7	66.8	66.6												
26	61.2	60.4	60.3	64.7	66.7	66.6												
25	61.2	60.4	60.3	64.7	66.7	66.6												
24	61.2	60.4	60.4	64.7	66.7	66.5	63.9	69.0	68.9	69.1	69.4	69.9	69.0	68.5	68.1	67.9	60.8	<40
23	61.2	60.5	60.4	64.7	66.6	66.5	63.8	68.9	68.8	68.9	69.3	69.7	68.9	68.3	67.9	67.8	60.7	<40
22	61.2	60.4	60.4	64.6	66.6	66.4	63.7	68.7	68.6	68.8	69.1	69.6	68.7	68.2	67.8	67.7	60.6	<40
21	61.1	60.4	60.3	64.5	66.5	66.3	63.5	68.5	68.4	68.5	68.9	69.4	68.5	68.0	67.6	67.5	60.5	<40
20	61.0	60.3	60.3	64.5	66.3	66.2	63.2	68.2	68.1	68.2	68.6	69.1	68.3	67.8	67.4	67.2	60.3	<40
19	60.9	60.2	60.2	64.3	66.2	66.1	62.7	67.8	67.6	67.8	68.2	68.7	67.9	67.5	67.1	66.9	60.1	<40
18	60.7	60.0	60.0	64.2	66.0	65.9	62.0	67.2	67.1	67.2	67.7	68.2	67.5	67.1	66.7	66.6	59.9	<40
17	60.3	59.7	59.7	64.0	65.8	65.7	61.1	66.5	66.5	66.6	67.2	67.8	67.1	66.6	66.3	66.2	59.6	<40
16	59.9	59.3	59.3	63.7	65.5	65.4	60.1	65.8	65.8	66.0	66.6	67.2	66.6	66.2	65.8	65.7	59.2	<40
15	59.3	58.7	58.7	63.3	65.2	65.1	59.3	65.1	65.2	65.4	66.0	66.6	66.0	65.6	65.3	65.2	58.7	<40
14	58.4	57.7	57.6	62.8	64.8	64.7	58.5	64.4	64.5	64.7	65.3	66.0	65.4	65.0	64.8	64.7	58.2	<40
13	57.6	56.9	56.7	62.3	64.3	64.3	57.8	63.8	63.9	64.1	64.7	65.4	64.8	64.5	64.2	64.1	57.7	<40
12	56.8	56.0	55.8	61.8	63.9	63.8	57.2	63.3	63.4	63.6	64.1	64.8	64.3	64.0	63.7	63.5	57.3	<40
11	56.0	55.3	55.0	61.4	63.3	63.3	56.8	62.9	63.0	63.2	63.7	64.4	63.8	63.4	63.1	63.0	56.7	<40
10	55.4	54.6	54.3	60.9	62.8	62.7	56.2	62.2	62.3	62.5	63.1	63.7	63.3	63.0	62.7	62.6	56.0	<40
9	54.8	54.0	53.7	60.4	62.2	62.1	55.5	61.6	61.7	61.9	62.4	63.1	62.6	62.3	62.1	62.1	55.4	<40
8	54.3	53.4	53.1	59.8	61.7	61.6	55.0	61.1	61.1	61.4	61.9	62.5	62.1	61.8	61.6	61.5	54.9	<40
7	53.8	53.0	52.7	59.4	61.2	61.1	54.4	60.6	60.7	60.9	61.4	62.0	61.6	61.3	61.1	61.0	54.4	<40
6	53.5	52.5	52.2	58.9	60.8	60.7	53.9	60.1	60.2	60.4	61.0	61.6	61.1	60.9	60.7	60.6	54.0	<40
5	53.0	52.0	51.7	58.5	60.4	60.3	53.4	59.7	59.7	59.9	60.4	61.0	60.5	60.3	60.1	60.0	53.6	<40
4	52.5	51.5	51.1	58.1	59.9	59.9	52.9	59.3	59.3	59.5	59.9	60.4	60.0	59.7	59.6	59.5	52.9	<40
3	52.0	51.0	50.6	57.7	59.5	59.5	52.6	58.8	58.8	59.0	59.4	60.0	59.5	59.3	59.1	59.1	52.2	<40
2	51.6	50.6	50.2	57.3	59.0	59.0	52.1	58.4	58.4	58.6	59.0	59.5	59.1	58.8	58.7	58.6	51.7	<40
1	51.2	50.3	49.9	56.8	58.5	58.5	51.7	58.0	58.0	58.2	58.6	59.1	58.7	58.4	58.3	58.2	51.1	<40
Max	61.3	61.2	60.5	60.4	64.7	66.8	66.7	63.9	69.0	68.9	69.1	69.4	69.9	69.0	68.5	68.1	67.9	60.8
Min	51.5	51.2	50.3	49.9	56.8	58.5	58.5	51.7	58.0	58.0	58.2	58.6	59.1	58.7	58.4	58.3	58.2	51.1

Floor	R1213max	R1301max	R1302max	R1303max	R1304max	R1305max	R1306max	R1307max	R1308max	R1309max	R1401max	R1402max	R1403max	R1404max	R1405max	R1406max	R1407max	R1408max
40		69.9	67.7	61.1	61.3	61.7	62.0	68.7	69.3	70.4								
39		70.0	67.7	61.2	61.3	61.8	62.0	68.7	69.4	70.4								
38		70.0	67.8	61.2	61.3	61.8	62.0	68.8	69.4	70.4								
37		70.1	67.8	61.2	61.3	61.8	62.1	68.8	69.4	70.4	69.7	68.1	68.2	68.1	68.0	61.5	58.7	58.7
36		70.1	67.9	61.2	61.4	61.8	62.1	68.8	69.5	70.3	69.7	68.2	68.2	68.2	68.1	61.5	58.7	58.7
35		70.2	68.0	61.2	61.4	61.8	62.1	68.8	69.5	70.4	69.8	68.2	68.3	68.2	68.1	61.5	58.6	58.6
34		70.2	68.0	61.2	61.4	61.9	62.1	68.8	69.5	70.4	69.8	68.3	68.3	68.3	68.2	61.5	58.6	58.6
33		70.2	68.1	61.2	61.4	61.8	62.1	68.9	69.5	70.4	69.9	68.3	68.4	68.3	68.2	61.5	58.6	58.6
32		70.3	68.1	61.2	61.4	61.8	62.1	68.9	69.6	68.2	69.9	68.4	68.4	68.3	68.2	61.6	58.5	58.5
31		70.3	68.1	61.2	61.3	61.8	62.1	68.9	69.6	68.2	70.0	68.4	68.4	68.4	68.3	61.6	58.5	58.6
30		70.3	68.2	61.1	61.3	61.8	62.0	68.9	69.6	68.2	70.0	68.4	68.5	68.4	68.3	61.6	58.4	58.5
29		70.3	68.2	61.1	61.3	61.8	62.0	68.9	69.6	68.2	70.0	68.5	68.5	68.5	68.3	61.5	58.4	58.4
28		70.4	68.3	61.1	61.2	61.7	62.0	68.9	69.6	68.2	70.1	68.5	68.5	68.5	68.4	61.5	58.4	58.4
27		70.4	68.3	61.0	61.2	61.6	61.9	68.8	69.5	68.2	70.1	68.6	68.6	68.5	68.4	61.5	58.3	58.3
26		70.4	68.3	60.9	61.1	61.6	61.8	68.8	69.5	70.4	70.2	68.6	68.6	68.5	68.4	61.4	58.2	58.2
25		70.3	68.3	60.8	61.0	61.4	61.7	68.7	69.5	70.4	70.2	68.6	68.6	68.6	68.4	61.4	58.1	58.1
24	<40	70.3	68.3	60.6	60.8	61.3	61.6	68.6	69.4	70.4	70.2	68.6	68.6	68.6	68.4	61.4	58.0	58.0
23	<40	70.2	68.2	60.4	60.6	61.1	61.4	68.5	69.3	70.4	70.2	68.6	68.6	68.5	68.4	61.3	57.8	57.9
22	<40	70.2	68.2	60.2	60.4	60.9	61.1	68.3	69.1	70.3	70.2	68.6	68.6	68.5	68.4	61.2	57.7	57.7
21	<40	70.0	68.1	59.9	60.1	60.6	60.9	68.1	70.3	70.3	70.1	68.6	68.6	68.5	68.4	61.2	57.5	57.5
20	<40	69.8	68.0	59.6	59.7	60.2	60.5	67.9	70.1	70.2	70.1	68.5	68.5	68.5	68.3	61.1	57.2	57.3
19	<40	69.7	67.8	59.1	59.3	59.8	60.0	67.6	69.8	69.9	70.0	68.5	68.5	68.4	68.2	61.0	57.0	57.0
18	<40	69.3	67.5	58.6	58.8	59.3	59.5	67.2	69.5	69.5	69.9	68.3	68.3	68.3	68.2	60.9	56.7	56.7
17	<40	68.9	67.1	58.3	58.4	58.8	59.1	66.7	69.0	69.1	69.8	68.2	68.2	68.2	68.0	60.8	56.4	56.3
16	<40	68.3	66.6	57.9	58.0	58.5	58.6	66.2	68.4	68.5	69.6	68.0	68.0	68.0	67.8	60.7	56.0	56.0
15	<40	67.6	65.8	57.2	57.4	57.8	58.0	65.6	67.7	67.7	69.3	67.7	67.8	67.7	67.6	60.5	55.7	55.7
14	<40	66.9	65.0	56.7	56.8	57.2	57.4	65.0	67.0	67.1	68.8	67.4	67.4	67.4	67.2	60.4	55.5	55.4
13	<40	66.1	64.1	56.2	56.2	56.6	56.8	64.3	66.2	66.2	68.2	66.9	66.9	66.9	66.8	60.3	55.3	55.2
12	<40	65.1	62.9	55.6	55.7	56.1	56.3	63.6	65.3	65.3	67.5	66.3	66.4	66.4	66.3	60.2	54.9	54.8
11	<40	64.2	61.8	55.2	55.3	55.8	56.0	63.0	64.6	64.6	66.7	65.6	65.7	65.7	65.7	60.0	54.4	54.4
10	<40	63.4	60.9	54.8	54.9	55.3	55.6	62.6	64.0	63.9	65.9	65.0	65.2	65.3	65.3	59.9	54.0	54.0
9	<40	62.7	59.9	54.6	54.8	55.2	55.5	62.2	63.4	63.4	65.1	64.4	64.7	64.7	64.8	59.8	53.6	53.6
8	<40	61.9	58.7	54.5	54.5	54.7	54.9	61.6	62.5	62.5	64.3	63.7	64.1	64.2	64.3	59.7	53.2	53.2
7	<40	61.1	57.6	53.8	53.9	54.1	54.2	60.9	61.7	61.7	63.6	63.2	63.6	63.7	63.9	59.6	52.9	52.9
6	<40	60.3	56.7	53.3	53.3	53.6	53.7	60.3	61.1	61.0	62.8	62.7	63.1	63.3	63.4	59.4	52.7	52.7
5	<40	59.7	55.9	52.8	52.9	53.2	53.3	59.7	60.5	60.4	62.1	62.1	62.6	62.8	63.0	59.1	52.4	52.4
4	<40	59.1	55.1	52.4	52.4	52.7	52.9	59.3	59.9	59.8	61.5	61.6	62.0	62.3	62.5	59.0	52.3	52.3
3	<40	58.5	54.4	52.1	52.1	52.4	52.5	58.8	59.4	59.3	61.0	61.2	61.6	61.8	62.1	58.8	52.2	52.2
2	<40	58.0	53.8	51.7	51.7	52.0	52.1	58.3	58.9	58.8	60.5	60.8	61.1	61.4	61.7	58.6	52.1	52.0
1	<40	57.5	53.1	51.4	51.4	51.7	51.8	57.9	58.4	58.3	60.1	60.4	60.8	61.1	61.3	58.4	51.6	51.5
Max	<40	<40	70.4	68.3	61.2	61.4	61.9	62.1	68.9	70.3	70.4	70.2	68.6	68.6	68.6	68.4	61.6	58.7
Min	<40	<40	57.5	53.1	51.4	51.4	51.7	51.8	57.9	58.4	58.3	60.1	60.4	60.8	61.1	61.3	58.4	51.6

Floor	R1409max	R1410max	R1411max	R1412max	R1413max	R1414max	R1415max	R1416max	R1417max
40									
39									
38									
37	58.7	58.7	58.7	59.1	59.4	67.3	69.6	69.6	69.6
36	58.7	58.7	58.7	59.1	59.4	67.4	69.7	69.6	69.6
35	58.7	58.7	58.7	59.1	59.4	67.4	69.7	69.7	69.7
34	58.7	58.7	58.7	59.0	59.4	67.5	69.8	69.7	69.7
33	58.7	58.7	58.7	59.0	59.3	67.5	69.8	69.8	69.8
32	58.6	58.6	58.6	59.0	59.3	67.5	69.9	69.8	69.8
31	58.6	58.6	58.5	58.9	59.3	67.5	69.9	69.9	69.9
30	58.5	58.6	58.6	58.9	59.2	67.5	70.0	69.9	69.9
29	58.5	58.5	58.5	58.8	59.2	67.6	70.0	70.0	69.9
28	58.4	58.4	58.4	58.8	59.2	67.6	70.0	70.0	70.0
27	58.4	58.4	58.4	58.7	59.1	67.6	70.1	70.0	70.0
26	58.3	58.3	58.3	58.6	59.0	67.6	70.1	70.1	70.0
25	58.2	58.2	58.2	58.6	58.9	67.6	70.1	70.1	70.1
24	58.0	58.1	58.1	58.4	58.8	67.5	70.1	70.1	70.1
23	57.9	57.9	57.9	58.3	58.7	67.5	70.1	70.1	70.1
22	57.7	57.8	57.8	58.2	58.5	67.5	70.1	70.1	70.1
21	57.5	57.6	57.6	57.9	58.3	67.4	70.0	70.0	70.0
20	57.3	57.3	57.3	57.7	58.1	67.2	70.0	70.0	70.0
19	57.1	57.1	57.1	57.4	57.8	67.1	69.9	69.9	69.9
18	56.8	56.8	56.7	57.1	57.4	67.0	69.8	69.8	69.8
17	56.4	56.4	56.4	56.7	57.1	66.7	69.6	69.6	69.6
16	56.1	56.1	56.1	56.4	56.7	66.5	69.3	69.4	69.4
15	55.7	55.8	55.7	56.0	56.4	66.1	69.0	69.0	69.1
14	55.5	55.5	55.5	55.8	56.1	65.7	68.5	68.5	68.6
13	55.3	55.3	55.2	55.5	55.8	65.1	67.8	67.9	67.9
12	54.8	54.8	54.7	55.0	55.3	64.4	67.0	67.0	67.1
11	54.4	54.3	54.2	54.5	54.8	63.8	66.2	66.2	66.2
10	53.9	53.9	53.9	54.1	54.4	63.0	65.3	65.3	65.4
9	53.6	53.5	53.5	53.7	53.9	62.1	64.3	64.4	64.4
8	53.2	53.2	53.1	53.3	53.6	61.4	63.6	63.6	63.6
7	52.9	52.9	52.8	53.1	53.3	60.7	62.7	62.8	62.8
6	52.7	52.7	52.6	52.7	53.0	59.9	61.9	61.9	62.0
5	52.4	52.4	52.3	52.6	52.9	59.2	61.2	61.2	61.2
4	52.3	52.2	52.2	52.5	52.9	58.6	60.6	60.6	60.6
3	52.3	52.2	52.2	52.2	52.4	57.9	59.9	60.0	60.1
2	51.9	51.7	51.6	51.7	51.9	57.3	59.3	59.4	59.5
1	51.4	51.3	51.1	51.3	51.5	56.7	58.8	58.9	58.9
Max	58.7	58.7	58.7	58.7	59.1	59.4	67.6	70.1	70.1
Min	51.5	51.4	51.3	51.1	51.3	51.5	56.7	58.8	58.9

Floor	R101a	R101b	R101c	R101d	R101e	R101f	R101g	R102a	R102b	R103a	R103b	R103c	R103d	R103e	R104a	R104b	R104c
40																	
39																	
38																	
37	59.3	59.1	59.8	59.6	60.0	60.3	61.9	62.4	62.3	64.8	64.3	64.4	62.5	61.1	60.7	60.4	60.1
36	59.3	59.1	59.8	59.6	60.0	60.3	62.0	62.5	62.3	64.8	64.4	64.4	62.6	61.1	60.8	60.4	60.2
35	59.4	59.1	59.8	59.6	60.0	60.3	62.0	62.5	62.4	64.9	64.4	64.5	62.7	61.2	60.8	60.5	60.2
34	59.4	59.1	59.8	59.6	60.0	60.3	62.0	62.6	62.4	64.9	64.5	64.6	62.7	61.3	60.9	60.5	60.3
33	59.4	59.1	59.8	59.6	60.0	60.3	62.1	62.6	62.5	65.0	64.6	64.7	62.8	61.4	61.0	60.6	60.4
32	59.5	59.1	59.7	59.6	60.0	60.4	62.1	62.7	62.6	65.1	64.7	64.7	62.9	61.5	61.1	60.7	60.5
31	59.5	59.1	59.7	59.6	60.0	60.4	62.2	62.7	62.6	65.2	64.8	64.8	63.0	61.6	61.2	60.8	60.6
30	59.6	59.1	59.7	59.6	60.0	60.3	62.2	62.8	62.7	65.2	64.9	64.9	63.1	61.7	61.2	60.9	60.7
29																	
28																	
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Max	59.6	59.1	59.8	59.6	60.0	60.4	62.2	62.8	62.7	65.2	64.9	64.9	63.1	61.7	61.2	60.9	60.7
Min	59.3	59.1	59.7	59.6	60.0	60.3	61.9	62.4	62.3	64.8	64.3	64.4	62.5	61.1	60.7	60.4	60.1

Total Flats	7052
Exceedance	56
Compliance Rate	99.2%

Floor	R104d	R104e	R105a	R105b	R105c	R105d	R701a	R702a	R702b	R702c	R703a	R703b	R703c	R704a	R704b	R704c	R705a
40																	
39																	
38							<40	67.0	66.9	66.9	66.7	66.6	66.4	66.2	66.3	66.4	66.5
37	59.7	59.7	59.5	59.6	59.4	59.5	<40	67.0	66.9	66.9	66.7	66.6	66.5	66.3	66.3	66.4	66.5
36	59.8	59.8	59.6	59.6	59.4	59.5	<40	67.0	67.0	66.9	66.7	66.6	66.5	66.3	66.4	66.4	66.5
35	59.9	59.8	59.6	59.7	59.5	59.6	<40	67.1	67.0	66.9	66.7	66.7	66.5	66.3	66.4	66.4	66.6
34	59.9	59.9	59.7	59.7	59.5	59.6	<40	67.1	67.0	67.0	66.8	66.7	66.5	66.3	66.4	66.5	66.6
33	60.0	59.9	59.7	59.8	59.6	59.7	<40	67.1	67.0	67.0	66.8	66.7	66.6	66.3	66.4	66.5	66.6
32	60.1	60.0	59.8	59.9	59.6	59.7											
31	60.2	60.1	59.9	59.9	59.7	59.8											
30	60.2	60.1	60.0	60.0	59.7	59.8											
29																	
28																	
27																	
26																	
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7																	
6																	
5																	
4																	
3																	
2																	
1																	
Max	60.2	60.1	60.0	60.0	59.7	59.8	<40	67.1	67.0	67.0	66.8	66.7	66.6	66.3	66.4	66.5	66.6
Min	59.7	59.7	59.5	59.6	59.4	59.5	<40	67.0	66.9	66.9	66.7	66.6	66.4	66.2	66.3	66.4	66.5

Floor	R705b	R706a	R706b	R706c	R707a	R707b	R707c	R708a	R708b	R708c	R708d	R709a	R709b	R709c	R710a	R710b	R710c
40																	
39																	
38	66.7	66.9	67.6	68.1	65.8	64.8	64.7	64.5	64.4	64.3	64.2	64.4	64.7	64.9	65.1	65.2	65.4
37	66.7	66.9	67.6	68.1	65.7	64.8	64.6	64.5	64.4	64.3	64.3	64.5	64.7	64.9	65.1	65.2	65.4
36	66.7	66.9	67.6	68.1	65.7	64.8	64.6	64.5	64.4	64.4	64.3	64.5	64.8	65.0	65.2	65.3	65.5
35	66.8	66.9	67.7	68.1	65.8	64.8	64.7	64.6	64.5	64.4	64.4	64.6	64.8	65.0	65.2	65.3	65.5
34	66.8	67.0	67.7	68.2	65.8	64.9	64.8	64.6	64.6	64.5	64.4	64.7	64.9	65.1	65.3	65.4	65.6
33	66.8	67.0	67.7	68.2	65.9	65.0	64.8	64.7	64.7	64.6	64.5	64.8	65.0	65.2	65.4	65.5	65.7
32																	
31																	
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3																	
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1																	
Max	66.8	67.0	67.7	68.2	65.9	65.0	64.8	64.7	64.7	64.6	64.5	64.8	65.0	65.2	65.4	65.5	65.7
Min	66.7	66.9	67.6	68.1	65.7	64.8	64.6	64.5	64.4	64.3	64.2	64.4	64.7	64.9	65.1	65.2	65.4

Floor	R711a	R711b	R712a	R712b	R713a	R713b	R714a	R715a	R715b	R715c	R716a	R716b	R717a	R717b	R717c	R901a	R901b
40																	
39																	
38	54.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	45.5	51.2	53.1	58.3	48.6	48.7
37	54.1	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	45.4	51.1	53.1	58.4	48.6	48.7
36	54.2	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	45.4	51.2	53.2	58.5	48.7	48.7
35	54.2	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	45.4	51.3	53.3	58.5	48.7	48.7
34	54.3	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	45.4	51.4	53.4	58.5	48.7	48.8
33	54.4	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	45.5	51.5	53.5	58.6	48.7	48.8
32																48.7	48.8
31																48.7	48.8
30																48.8	48.8
29																48.8	48.8
28																48.8	48.9
27																48.8	48.9
26																48.8	48.9
25																48.8	48.9
24																48.8	48.9
23																48.9	48.9
22																48.9	48.9
21																48.9	48.9
20																48.9	49.0
19																48.9	49.0
18																48.9	49.0
17																48.9	49.0
16																48.9	49.0
15																48.9	49.0
14																48.9	49.0
13																48.9	49.0
12																48.9	49.0
11																<40	<40
10																<40	<40
9																	
8																	
7																	
6																	
5																	
4																	
3																	
2																	
1																	
Max	54.4	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	45.5	51.5	53.5	58.6	48.9	49.0
Min	54.0	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	45.4	51.1	53.1	58.3	<40	<40

Floor	R902a	R902b	R903a	R903b	R904a	R904b	R904c	R904d	R905a	R905b	R905c	R905d	R905e	R906a	R906b	R907a	R907b
40																	
39																	
38	48.7	48.6	48.7	48.7	48.7	50.6	50.2	49.0	50.1	50.6	57.6	57.9	58.0	58.2	58.5	58.8	59.0
37	48.7	48.7	48.7	48.7	48.7	50.6	50.1	49.0	50.1	50.6	57.6	58.0	58.1	58.2	58.5	58.9	59.1
36	48.7	48.7	48.8	48.7	48.7	50.6	50.1	49.0	50.0	50.5	57.7	58.0	58.1	58.3	58.6	58.9	59.2
35	48.7	48.7	48.8	48.7	48.7	50.6	50.1	48.9	50.0	50.5	57.7	58.0	58.2	58.4	58.7	59.0	59.2
34	48.7	48.7	48.8	48.8	48.7	50.6	50.1	48.9	50.0	50.5	57.8	58.1	58.3	58.4	58.7	59.1	59.3
33	48.8	48.7	48.8	48.8	48.8	50.6	50.1	48.9	50.0	50.5	57.9	58.2	58.3	58.5	58.8	59.2	59.4
32	48.8	48.7	48.8	48.8	48.8	50.5	50.1	48.9	49.9	50.5	57.9	58.3	58.4	58.6	58.9	59.3	59.5
31	48.8	48.8	48.8	48.8	48.8	50.5	50.0	48.9	49.9	50.4	58.0	58.3	58.5	58.7	59.0	59.3	59.5
30	48.8	48.8	48.8	48.8	48.8	50.5	50.0	48.9	49.9	50.4	58.1	58.4	58.6	58.8	59.1	59.4	59.6
29	48.8	48.8	48.9	48.8	48.8	50.5	50.0	48.9	49.9	50.4	58.1	58.5	58.6	58.9	59.2	59.5	59.7
28	48.8	48.8	48.9	48.9	48.8	50.5	50.0	48.9	49.9	50.3	58.2	58.6	58.7	58.9	59.2	59.6	59.8
27	48.8	48.8	48.9	48.9	48.8	50.4	50.0	48.9	49.9	50.3	58.3	58.6	58.8	59.0	59.3	59.7	59.9
26	48.9	48.8	48.9	48.9	48.9	50.4	50.0	48.9	49.9	50.3	58.4	58.7	58.9	59.1	59.4	59.8	60.0
25	48.9	48.8	48.9	48.9	48.9	50.4	50.0	48.9	49.8	50.3	58.5	58.8	58.9	59.2	59.5	59.9	60.1
24	48.9	48.9	48.9	48.9	48.9	50.4	50.0	48.9	49.8	50.2	58.5	58.9	59.0	59.3	59.6	60.0	60.2
23	48.9	48.9	48.9	48.9	48.9	50.3	49.9	49.0	49.8	50.2	58.6	58.9	59.1	59.4	59.7	60.1	60.3
22	48.9	48.9	49.0	48.9	48.9	50.3	49.9	49.0	49.8	50.2	58.7	59.0	59.1	59.5	59.8	60.2	60.4
21	48.9	48.9	49.0	48.9	48.9	50.3	49.9	49.0	49.7	50.1	58.8	59.1	59.2	59.6	59.9	60.3	60.5
20	48.9	48.9	49.0	48.9	48.9	50.2	49.8	49.0	49.7	50.1	58.8	59.1	59.3	59.7	60.0	60.4	60.6
19	48.9	48.9	49.0	49.0	48.9	50.2	49.8	49.0	49.7	50.0	58.9	59.2	59.4	59.8	60.1	60.5	60.7
18	48.9	48.9	49.0	49.0	48.9	50.1	49.8	48.9	49.6	50.0	59.0	59.3	59.4	59.9	60.2	60.6	60.8
17	49.0	48.9	49.0	49.0	48.9	50.0	49.8	48.9	49.6	49.9	59.0	59.4	59.5	60.0	60.3	60.7	60.9
16	49.0	48.9	49.0	49.0	49.0	50.0	49.7	48.9	49.5	49.9	59.1	59.5	59.5	60.0	60.4	60.8	61.0
15	49.0	48.9	49.0	49.0	49.0	49.9	49.7	48.9	49.5	49.9	59.2	59.5	59.6	60.1	60.5	60.9	61.1
14	49.0	49.0	49.0	49.0	49.0	49.9	49.7	48.9	49.5	49.8	59.1	59.5	59.6	60.2	60.6	61.0	61.2
13	49.0	49.0	49.0	49.0	49.0	49.8	49.6	48.9	49.5	49.8	59.2	59.5	59.7	60.3	60.7	61.0	61.3
12	49.0	49.0	49.0	49.0	49.0	49.8	49.6	48.9	49.4	49.8	59.1	59.5	59.7	60.4	60.7	61.1	61.4
11	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
10	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
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Max	49.0	49.0	49.0	49.0	49.0	50.6	50.2	49.0	50.1	50.6	59.2	59.5	59.7	60.4	60.7	61.1	61.4
Min	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40

Floor	R908a	R908b	R909a	R909b	R909c	R909d	R909e	R910a	R910b	R911a	R911b	R912a	R912b	R912c	R913a	R913b	R913c
40																	
39																	
38	59.4	60.2	61.0	61.8	62.1	62.4	61.9	61.4	61.6	62.0	62.9	63.5	63.8	63.7	63.8	64.1	62.5
37	59.4	60.3	61.0	61.9	62.2	62.5	62.0	61.4	61.6	62.0	63.0	63.5	63.8	63.8	63.8	64.1	62.5
36	59.5	60.4	61.1	62.0	62.2	62.5	62.1	61.5	61.7	62.1	63.1	63.6	63.9	63.8	63.9	64.1	62.6
35	59.6	60.4	61.2	62.0	62.3	62.6	62.1	61.6	61.8	62.2	63.1	63.7	63.9	63.9	63.9	64.2	62.6
34	59.7	60.5	61.3	62.1	62.4	62.7	62.2	61.6	61.9	62.2	63.2	63.8	64.0	64.0	64.0	64.3	62.7
33	59.8	60.6	61.4	62.2	62.4	62.8	62.3	61.7	62.0	62.3	63.3	63.9	64.1	64.1	64.1	64.4	62.7
32	59.8	60.7	61.5	62.3	62.5	62.9	62.4	61.8	62.0	62.4	63.4	64.0	64.2	64.2	64.2	64.4	62.8
31	59.9	60.8	61.5	62.4	62.6	62.9	62.5	61.9	62.1	62.5	63.5	64.0	64.3	64.3	64.3	64.5	62.9
30	60.0	60.8	61.6	62.5	62.7	63.0	62.6	62.0	62.2	62.6	63.6	64.1	64.4	64.4	64.3	64.6	63.0
29	60.1	61.0	61.7	62.6	62.8	63.1	62.7	62.1	62.3	62.7	63.7	64.2	64.5	64.5	64.5	64.7	63.1
28	60.2	61.1	61.8	62.7	62.9	63.2	62.8	62.2	62.4	62.8	63.8	64.3	64.6	64.6	64.6	64.8	63.2
27	60.3	61.2	61.9	62.8	63.0	63.3	62.9	62.3	62.5	62.9	63.9	64.5	64.7	64.7	64.7	64.9	63.3
26	60.4	61.3	62.0	62.9	63.2	63.5	63.0	62.4	62.6	63.0	64.0	64.6	64.8	64.8	64.8	65.0	63.4
25	60.5	61.4	62.2	63.0	63.3	63.6	63.1	62.5	62.8	63.2	64.1	64.7	64.9	64.9	64.9	65.1	63.4
24	60.6	61.5	62.3	63.1	63.4	63.7	63.2	62.6	62.9	63.3	64.3	64.8	65.1	65.0	65.0	65.2	63.6
23	60.7	61.6	62.4	63.2	63.5	63.8	63.4	62.8	63.0	63.4	64.4	64.9	65.2	65.1	65.1	65.4	63.7
22	60.8	61.7	62.5	63.3	63.6	63.9	63.5	62.9	63.1	63.5	64.5	65.1	65.3	65.3	65.2	65.5	63.8
21	60.9	61.8	62.6	63.5	63.7	64.0	63.6	63.0	63.2	63.6	64.6	65.2	65.4	65.4	65.4	65.6	63.9
20	61.0	61.9	62.7	63.6	63.8	64.2	63.7	63.1	63.3	63.7	64.8	65.3	65.6	65.5	65.5	65.7	64.0
19	61.1	62.0	62.9	63.7	64.0	64.3	63.8	63.2	63.4	63.9	64.9	65.5	65.7	65.6	65.6	65.8	64.1
18	61.2	62.1	63.0	63.8	64.1	64.4	64.0	63.3	63.6	64.0	65.0	65.6	65.8	65.8	65.7	65.9	64.2
17	61.3	62.2	63.1	63.9	64.2	64.5	64.1	63.4	63.7	64.1	65.2	65.7	66.0	65.9	65.9	66.1	64.3
16	61.4	62.3	63.2	64.1	64.3	64.7	64.2	63.6	63.9	64.3	65.3	65.9	66.1	66.0	66.0	66.2	64.4
15	61.5	62.5	63.3	64.2	64.4	64.8	64.4	63.7	64.0	64.4	65.5	66.0	66.3	66.2	66.1	66.3	64.5
14	61.6	62.6	63.4	64.3	64.6	64.9	64.5	63.8	64.1	64.5	65.6	66.1	66.4	66.3	66.3	66.4	64.6
13	61.7	62.7	63.6	64.5	64.7	65.1	64.6	63.9	64.2	64.7	65.7	66.3	66.6	66.5	66.4	66.6	64.7
12	61.8	62.8	63.7	64.6	64.9	65.2	64.7	64.0	64.3	64.8	65.9	66.5	66.7	66.6	66.6	66.7	64.9
11	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
10	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
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Max	61.8	62.8	63.7	64.6	64.9	65.2	64.7	64.0	64.3	64.8	65.9	66.5	66.7	66.6	66.6	66.7	64.9
Min	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40

Floor	R913d	R914a	R914b	R915a	R915b	R916a	R916b	R916c	R916d	R916e	R917a	R917b	R1001a	R1001b	R1002a	R1002b	R1003a
40													53.4	59.9	60.3	61.3	61.5
39													53.4	60.0	60.4	61.3	61.6
38	60.2	59.3	58.4	58.2	58.2	57.8	57.2	57.2	57.6	50.5	48.6	48.6	53.4	60.0	60.4	61.4	61.6
37	60.2	59.3	58.4	58.2	58.2	57.8	57.3	57.3	57.6	50.5	48.7	48.6	53.5	60.1	60.4	61.4	61.6
36	60.2	59.3	58.4	58.2	58.1	57.8	57.3	57.3	57.6	50.5	48.7	48.7	53.5	60.1	60.5	61.4	61.7
35	60.2	59.3	58.4	58.2	58.2	57.8	57.3	57.3	57.7	50.5	48.7	48.7	53.4	60.1	60.5	61.5	61.7
34	60.3	59.3	58.4	58.2	58.2	57.8	57.4	57.4	57.7	50.5	48.7	48.7	53.4	60.2	60.5	61.5	61.7
33	60.3	59.4	58.4	58.2	58.2	57.9	57.4	57.4	57.8	50.5	48.7	48.7	53.4	60.2	60.6	61.5	61.7
32	60.4	59.4	58.5	58.3	58.3	57.9	57.5	57.5	57.8	50.5	48.7	48.7	53.3	60.2	60.6	61.5	61.7
31	60.4	59.5	58.5	58.3	58.3	58.0	57.6	57.5	57.9	50.5	48.8	48.7	53.3	60.2	60.6	61.5	61.7
30	60.5	59.6	58.6	58.4	58.4	58.0	57.6	57.6	57.9	50.4	48.8	48.8	53.3	60.2	60.6	61.5	61.7
29	60.6	59.6	58.6	58.5	58.4	58.1	57.7	57.7	58.0	50.4	48.8	48.8	53.2	60.2	60.6	61.5	61.7
28	60.7	59.7	58.7	58.5	58.5	58.1	57.7	57.7	58.0	50.5	48.8	48.8	53.2	60.2	60.5	61.4	61.6
27	60.8	59.8	58.8	58.6	58.6	58.2	57.8	57.8	58.1	50.4	48.8	48.8	53.0	60.1	60.5	61.3	61.6
26	60.9	59.9	58.8	58.6	58.6	58.3	57.9	57.9	58.1	50.4	48.8	48.8	52.9	60.0	60.4	61.2	61.4
25	60.9	60.0	58.9	58.7	58.7	58.4	57.9	57.9	58.2	50.4	48.8	48.8					
24	61.0	60.0	59.0	58.8	58.8	58.4	58.0	58.0	58.2	50.3	48.9	48.8					
23	61.1	60.1	59.1	58.9	58.9	58.5	58.1	58.1	58.3	50.3	48.9	48.8					
22	61.2	60.2	59.1	58.9	58.9	58.6	58.2	58.1	58.3	50.3	48.9	48.9					
21	61.3	60.3	59.2	59.0	59.0	58.7	58.2	58.2	58.4	50.2	48.9	48.9					
20	61.4	60.4	59.3	59.1	59.1	58.7	58.3	58.3	58.5	50.2	48.9	48.9					
19	61.5	60.5	59.4	59.2	59.2	58.8	58.4	58.4	58.5	50.2	48.9	48.9					
18	61.6	60.6	59.5	59.3	59.2	58.9	58.5	58.4	58.6	50.1	48.9	48.9					
17	61.7	60.7	59.6	59.3	59.3	59.0	58.6	58.5	58.6	50.1	48.9	48.9					
16	61.8	60.8	59.6	59.4	59.4	59.1	58.7	58.6	58.7	50.0	48.9	48.9					
15	61.9	60.9	59.7	59.5	59.5	59.2	58.8	58.7	58.8	50.0	49.0	48.9					
14	62.0	61.0	59.8	59.6	59.6	59.3	58.9	58.8	58.9	50.0	49.0	48.9					
13	62.1	61.1	59.9	59.7	59.7	59.4	58.9	58.9	59.0	49.9	49.0	48.9					
12	62.3	61.2	60.1	59.8	59.8	59.5	59.1	59.0	59.1	49.8	49.0	48.9					
11	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40					
10	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40					
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Max	62.3	61.2	60.1	59.8	59.8	59.5	59.1	59.0	59.1	50.5	49.0	48.9	53.5	60.2	60.6	61.5	61.7
Min	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	52.9	59.9	60.3	61.2	61.4

Floor	R1003b	R1003c	R1003d	R1004a	R1004b	R1004c	R1004d	R1004e	R1005a	R1005b	R1006a	R1006b	R1007a	R1007b	R1007c	R1007d	R1008a
40	64.3	65.9	66.0	66.0	65.9	65.8	65.6	64.8	64.5	64.0	63.6	63.5	63.1	63.0	61.9	54.4	50.8
39	64.3	65.9	66.0	66.0	65.9	65.8	65.7	64.8	64.5	63.9	63.6	63.4	63.1	63.0	62.0	54.4	50.8
38	64.3	65.9	66.0	66.0	65.9	65.9	65.6	64.7	64.5	63.9	63.6	63.4	63.1	63.0	61.9	54.4	50.8
37	64.3	65.9	66.0	66.0	65.9	65.9	65.6	64.7	64.5	64.0	63.6	63.5	63.1	63.0	61.9	54.4	50.8
36	64.3	66.0	66.0	66.0	65.9	65.9	65.7	64.8	64.5	64.0	63.6	63.5	63.1	63.0	61.9	54.4	50.8
35	64.3	66.0	66.0	66.0	66.0	65.9	65.7	64.8	64.5	64.0	63.6	63.5	63.1	63.0	61.9	54.3	50.8
34	64.3	66.0	66.0	66.0	66.0	65.9	65.7	64.8	64.5	64.0	63.5	63.4	63.1	62.9	61.8	54.3	50.8
33	64.3	65.9	66.0	66.0	66.0	65.9	65.7	64.7	64.5	63.9	63.5	63.4	63.1	62.9	61.8	54.2	50.8
32	64.3	65.9	66.0	66.0	65.9	65.9	65.6	64.7	64.4	63.9	63.5	63.4	63.0	62.9	61.7	54.2	50.7
31	64.3	65.9	66.0	66.0	65.9	65.8	65.6	64.7	64.4	63.8	63.5	63.3	63.0	62.8	61.6	54.1	50.7
30	64.2	65.8	65.9	65.9	65.8	65.8	65.6	64.6	64.3	63.8	63.4	63.3	62.9	62.8	61.6	54.1	50.6
29	64.2	65.7	65.8	65.8	65.8	65.7	65.5	64.6	64.3	63.7	63.3	63.2	62.8	62.7	61.5	54.1	50.6
28	64.1	65.7	65.8	65.8	65.8	65.7	65.5	64.5	64.2	63.6	63.2	63.1	62.7	62.6	61.3	53.9	50.6
27	64.0	65.6	65.7	65.6	65.7	65.6	65.4	64.4	64.1	63.5	63.1	63.0	62.6	62.5	61.2	53.9	50.5
26	63.8	65.4	65.5	65.5	65.5	65.4	65.2	64.3	63.9	63.4	62.9	62.9	62.5	62.4	61.1	53.8	50.6
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Max	64.3	66.0	66.0	66.0	66.0	65.9	65.7	64.8	64.5	64.0	63.6	63.5	63.1	63.0	62.0	54.4	50.8
Min	63.8	65.4	65.5	65.5	65.5	65.4	65.2	64.3	63.9	63.4	62.9	62.9	62.5	62.4	61.1	53.8	50.5

Floor	R1008b	R1009a	R1009b	R1010a	R1010b	R1010c	R1010d	R1010e	R1011a	R1011b	R1011c	R1011d	R1201a	R1201b	R1201c	R1201d	R1202a
40	52.4	51.6	52.0	52.3	52.5	53.1	59.5	60.5	60.6	63.5	63.5	62.0					
39	52.4	51.6	52.0	52.3	52.5	53.1	59.5	60.6	60.7	63.6	63.6	62.0	44.1	<40	63.3	63.4	64.0
38	52.4	51.6	51.9	52.2	52.5	53.1	59.6	60.6	60.7	63.6	63.6	62.0	<40	<40	63.3	63.4	64.1
37	52.4	51.6	51.9	52.3	52.5	53.1	59.6	60.6	60.7	63.6	63.6	62.0	<40	<40	63.4	63.5	64.1
36	52.4	51.6	52.0	52.3	52.5	53.1	59.6	60.7	60.8	63.6	63.6	62.1	<40	<40	63.4	63.6	64.2
35	52.4	51.6	52.0	52.3	52.5	53.1	59.7	60.7	60.8	63.6	63.6	62.1	<40	<40	63.5	63.6	64.2
34	52.4	51.6	52.0	52.3	52.5	53.1	59.7	60.7	60.8	63.6	63.6	62.1	<40	<40	63.6	63.7	64.3
33	52.4	51.6	52.0	52.3	52.5	53.1	59.7	60.7	60.8	63.5	63.6	62.1	<40	<40	63.6	63.7	64.3
32	52.4	51.6	52.0	52.3	52.6	53.1	59.7	60.7	60.8	63.5	63.5	62.1	<40	<40	63.7	63.8	64.4
31	52.4	51.6	52.0	52.3	52.5	53.1	59.7	60.7	60.8	63.5	63.5	62.1	<40	<40	63.7	63.8	64.4
30	52.3	51.6	52.0	52.3	52.5	53.1	59.7	60.7	60.8	63.5	63.4	62.0	<40	<40	63.7	63.9	64.5
29	52.3	51.6	52.0	52.3	52.6	53.2	59.6	60.7	60.8	63.4	63.4	62.0	<40	<40	63.8	63.9	64.5
28	52.3	51.6	52.0	52.3	52.6	53.2	59.6	60.6	60.7	63.3	63.3	61.9	<40	<40	63.8	63.9	64.5
27	52.2	51.5	51.9	52.3	52.6	53.2	59.5	60.6	60.7	63.2	63.2	61.8	<40	<40	63.8	63.9	64.5
26	52.2	51.6	52.0	52.4	52.6	53.2	59.4	60.5	60.6	63.0	63.0	61.7	<40	<40	63.8	64.0	64.5
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Max	52.4	51.6	52.0	52.4	52.6	53.2	59.7	60.7	60.8	63.6	63.6	62.1	44.1	<40	63.8	64.0	64.5
Min	52.2	51.5	51.9	52.2	52.5	53.1	59.4	60.5	60.6	63.0	63.0	61.7	<40	<40	63.3	63.4	64.0

Floor	R1202b	R1202c	R1202d	R1202e	R1203a	R1203b	R1204a	R1204b	R1205a	R1205b	R1205c	R1205d	R1206a	R1206b	R1207a	R1207b	R1208a
40																	
39	67.3	68.9	68.9	68.9	69.0	69.1	69.2	69.5	69.9	69.9	69.8	69.4	69.1	68.9	68.6	68.5	68.2
38	67.3	68.9	69.0	69.0	69.1	69.1	69.2	69.5	69.9	69.9	69.9	69.4	69.2	68.9	68.7	68.5	68.3
37	67.4	69.0	69.0	69.0	69.1	69.1	69.3	69.5	70.0	70.0	69.9	69.4	69.2	68.9	68.7	68.6	68.3
36	67.5	69.0	69.0	69.0	69.2	69.2	69.3	69.6	70.0	70.0	69.9	69.5	69.2	68.9	68.7	68.6	68.3
35	67.5	69.0	69.1	69.1	69.2	69.2	69.3	69.6	70.0	70.0	70.0	69.5	69.3	69.0	68.7	68.6	68.4
34	67.5	69.1	69.1	69.1	69.2	69.2	69.4	69.6	70.0	70.1	70.0	69.5	69.3	69.0	68.8	68.7	68.4
33	67.6	69.1	69.2	69.1	69.3	69.3	69.4	69.6	70.1	70.1	70.0	69.5	69.3	69.0	68.8	68.6	68.4
32	67.6	69.1	69.2	69.1	69.3	69.3	69.4	69.7	70.1	70.1	70.0	69.5	69.3	69.0	68.8	68.7	68.4
31	67.6	69.1	69.2	69.2	69.3	69.3	69.4	69.7	70.1	70.1	70.0	69.6	69.3	69.0	68.8	68.7	68.4
30	67.6	69.1	69.2	69.2	69.3	69.3	69.4	69.7	70.1	70.1	70.1	69.6	69.3	69.0	68.8	68.7	68.4
29	67.7	69.1	69.2	69.1	69.3	69.3	69.4	69.7	70.1	70.1	70.0	69.5	69.3	69.0	68.8	68.6	68.4
28	67.6	69.1	69.2	69.2	69.3	69.3	69.4	69.7	70.1	70.1	70.0	69.5	69.3	69.0	68.7	68.6	68.3
27	67.7	69.1	69.2	69.1	69.3	69.3	69.4	69.6	70.1	70.1	70.0	69.5	69.3	69.0	68.7	68.6	68.3
26	67.6	69.1	69.2	69.1	69.2	69.2	69.3	69.6	70.0	70.0	70.0	69.4	69.2	68.9	68.7	68.6	68.3
25	67.6	69.0	69.1	69.0	69.1	69.1	69.3	69.5	70.0	70.0	69.9	69.4	69.1	68.9	68.6	68.5	68.2
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Max	67.7	69.1	69.2	69.2	69.3	69.3	69.4	69.7	70.1	70.1	70.1	69.6	69.3	69.0	68.8	68.7	68.4
Min	67.3	68.9	68.9	68.9	69.0	69.1	69.2	69.5	69.9	69.9	69.8	69.4	69.1	68.9	68.6	68.5	68.2

Floor	R1208b	R1208c	R1208d	R1208e	R1209a	R1209b	R1209c	R1209d	R1210a	R1210b	R1211a	R1211b
40												
39	68.1	67.9	66.1	61.4	61.0	60.1	<40	<40	<40	<40	<40	<40
38	68.1	68.0	66.1	61.4	60.9	60.1	<40	<40	<40	<40	<40	<40
37	68.2	68.0	66.1	61.5	61.0	60.1	<40	<40	<40	<40	<40	<40
36	68.2	68.0	66.2	61.5	61.0	60.1	<40	<40	<40	<40	<40	<40
35	68.2	68.0	66.2	61.5	61.0	60.2	<40	<40	<40	<40	<40	<40
34	68.2	68.1	66.2	61.5	61.0	60.2	<40	<40	<40	<40	<40	<40
33	68.2	68.0	66.2	61.5	61.0	60.2	<40	<40	<40	<40	<40	<40
32	68.2	68.1	66.2	61.6	61.1	60.2	<40	<40	<40	<40	<40	<40
31	68.2	68.1	66.2	61.6	61.1	60.2	<40	<40	<40	<40	<40	<40
30	68.2	68.1	66.2	61.5	61.0	60.2	<40	<40	<40	<40	<40	<40
29	68.2	68.0	66.2	61.5	61.0	60.2	<40	<40	<40	<40	<40	<40
28	68.2	68.0	66.2	61.5	61.0	60.2	<40	<40	<40	<40	<40	<40
27	68.1	68.0	66.1	61.5	61.0	60.2	<40	<40	<40	<40	<40	<40
26	68.1	67.9	66.1	61.4	61.0	60.1	<40	<40	<40	<40	<40	<40
25	68.1	67.9	66.0	61.4	60.9	60.1	<40	<40	<40	<40	<40	<40
24												
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Max	68.2	68.1	66.2	61.6	61.1	60.2	<40	<40	<40	<40	<40	<40
Min	68.1	67.9	66.0	61.4	60.9	60.1	<40	<40	<40	<40	<40	<40

Floor	R101max	R102max	R103max	R104max	R105max	R701max	R702max	R703max	R704max	R705max	R706max	R707max	R708max	R709max	R710max	R711max	R712max	R713max	R714max
40																			
39																			
38						<40	67.0	66.7	66.4	66.7	68.1	65.8	64.5	64.9	65.4	54.0	<40	<40	<40
37	61.9	62.4	64.8	60.7	59.6	<40	67.0	66.7	66.4	66.7	68.1	65.7	64.5	64.9	65.4	54.1	<40	<40	<40
36	62.0	62.5	64.8	60.8	59.6	<40	67.0	66.7	66.4	66.7	68.1	65.7	64.5	65.0	65.5	54.2	<40	<40	<40
35	62.0	62.5	64.9	60.8	59.7	<40	67.1	66.7	66.4	66.8	68.1	65.8	64.6	65.0	65.5	54.2	<40	<40	<40
34	62.0	62.6	64.9	60.9	59.7	<40	67.1	66.8	66.5	66.8	68.2	65.8	64.6	65.1	65.6	54.3	<40	<40	<40
33	62.1	62.6	65.0	61.0	59.8	<40	67.1	66.8	66.5	66.8	68.2	65.9	64.7	65.2	65.7	54.4	<40	<40	<40
32	62.1	62.7	65.1	61.1	59.9														
31	62.2	62.7	65.2	61.2	59.9														
30	62.2	62.8	65.2	61.2	60.0														
29																			
28																			
27																			
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Max	62.2	62.8	65.2	61.2	60.0	<40	67.1	66.8	66.5	66.8	68.2	65.9	64.7	65.2	65.7	54.4	<40	<40	<40
Min	61.9	62.4	64.8	60.7	59.6	<40	67.0	66.7	66.4	66.7	68.1	65.7	64.5	64.9	65.4	54.0	<40	<40	<40

Total Flats	7052
Exceedance	56
Compliance Rate	99.2%

Floor	R715max	R716max	R717max	R901max	R902max	R903max	R904max	R905max	R906max	R907max	R908max	R909max	R910max	R911max	R912max	R913max	R914max	R915max	R916max
40																			
39																			
38	<40	45.5	58.3	48.7	48.7	48.7	50.6	58.0	58.5	59.0	60.2	62.4	61.6	62.9	63.8	64.1	59.3	58.2	57.8
37	<40	45.4	58.4	48.7	48.7	48.7	50.6	58.1	58.5	59.1	60.3	62.5	61.6	63.0	63.8	64.1	59.3	58.2	57.8
36	<40	45.4	58.5	48.7	48.7	48.8	50.6	58.1	58.6	59.2	60.4	62.5	61.7	63.1	63.9	64.1	59.3	58.2	57.8
35	<40	45.4	58.5	48.7	48.7	48.8	50.6	58.2	58.7	59.2	60.4	62.6	61.8	63.1	63.9	64.2	59.3	58.2	57.8
34	<40	45.4	58.5	48.8	48.7	48.8	50.6	58.3	58.7	59.3	60.5	62.7	61.9	63.2	64.0	64.3	59.3	58.2	57.8
33	<40	45.5	58.6	48.8	48.8	48.8	50.6	58.3	58.8	59.4	60.6	62.8	62.0	63.3	64.1	64.4	59.4	58.2	57.9
32				48.8	48.8	48.8	50.5	58.4	58.9	59.5	60.7	62.9	62.0	63.4	64.2	64.4	59.4	58.3	57.9
31				48.8	48.8	48.8	50.5	58.5	59.0	59.5	60.8	62.9	62.1	63.5	64.3	64.5	59.5	58.3	58.0
30				48.8	48.8	48.8	50.5	58.6	59.1	59.6	60.8	63.0	62.2	63.6	64.4	64.6	59.6	58.4	58.0
29				48.8	48.8	48.9	50.5	58.6	59.2	59.7	61.0	63.1	62.3	63.7	64.5	64.7	59.6	58.5	58.1
28				48.9	48.8	48.9	50.5	58.7	59.2	59.8	61.1	63.2	62.4	63.8	64.6	64.8	59.7	58.5	58.1
27				48.9	48.8	48.9	50.4	58.8	59.3	59.9	61.2	63.3	62.5	63.9	64.7	64.9	59.8	58.6	58.2
26				48.9	48.9	48.9	50.4	58.9	59.4	60.0	61.3	63.5	62.6	64.0	64.8	65.0	59.9	58.6	58.3
25				48.9	48.9	48.9	50.4	58.9	59.5	60.1	61.4	63.6	62.8	64.1	64.9	65.1	60.0	58.7	58.4
24				48.9	48.9	48.9	50.4	59.0	59.6	60.2	61.5	63.7	62.9	64.3	65.1	65.2	60.0	58.8	58.4
23				48.9	48.9	48.9	50.3	59.1	59.7	60.3	61.6	63.8	63.0	64.4	65.2	65.4	60.1	58.9	58.5
22				48.9	48.9	49.0	50.3	59.1	59.8	60.4	61.7	63.9	63.1	64.5	65.3	65.5	60.2	58.9	58.6
21				48.9	48.9	49.0	50.3	59.2	59.9	60.5	61.8	64.0	63.2	64.6	65.4	65.6	60.3	59.0	58.7
20				49.0	48.9	49.0	50.2	59.3	60.0	60.6	61.9	64.2	63.3	64.8	65.6	65.7	60.4	59.1	58.7
19				49.0	48.9	49.0	50.2	59.4	60.1	60.7	62.0	64.3	63.4	64.9	65.7	65.8	60.5	59.2	58.8
18				49.0	48.9	49.0	50.1	59.4	60.2	60.8	62.1	64.4	63.6	65.0	65.8	65.9	60.6	59.3	58.9
17				49.0	49.0	49.0	50.0	59.5	60.3	60.9	62.2	64.5	63.7	65.2	66.0	66.1	60.7	59.3	59.0
16				49.0	49.0	49.0	50.0	59.5	60.4	61.0	62.3	64.7	63.9	65.3	66.1	66.2	60.8	59.4	59.1
15				49.0	49.0	49.0	49.9	59.6	60.5	61.1	62.5	64.8	64.0	65.5	66.3	66.3	60.9	59.5	59.2
14				49.0	49.0	49.0	49.9	59.6	60.6	61.2	62.6	64.9	64.1	65.6	66.4	66.4	61.0	59.6	59.3
13				49.0	49.0	49.0	49.8	59.7	60.7	61.3	62.7	65.1	64.2	65.7	66.6	66.6	61.1	59.7	59.4
12				49.0	49.0	49.0	49.8	59.7	60.7	61.4	62.8	65.2	64.3	65.9	66.7	66.7	61.2	59.8	59.5
11				<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
10				<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
9																			
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7																			
6																			
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1																			
Max	<40	45.5	58.6	49.0	49.0	49.0	50.6	59.7	60.7	61.4	62.8	65.2	64.3	65.9	66.7	66.7	61.2	59.8	59.5
Min	<40	45.4	58.3	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40

Floor	R917max	R1001max	R1002max	R1003max	R1004max	R1005max	R1006max	R1007max	R1008max	R1009max	R1010max	R1011max	R1201max	R1202max	R1203max	R1204max	R1205max	R1206max	R1207max
40		59.9	61.3	66.0	66.0	64.5	63.6	63.1	52.4	52.0	60.5	63.5							
39		60.0	61.3	66.0	66.0	64.5	63.6	63.1	52.4	52.0	60.6	63.6	63.4	68.9	69.1	69.5	69.9	69.1	68.6
38	48.6	60.0	61.4	66.0	66.0	64.5	63.6	63.1	52.4	51.9	60.6	63.6	63.4	69.0	69.1	69.5	69.9	69.2	68.7
37	48.7	60.1	61.4	66.0	66.0	64.5	63.6	63.1	52.4	51.9	60.6	63.6	63.5	69.0	69.1	69.5	70.0	69.2	68.7
36	48.7	60.1	61.4	66.0	66.0	64.5	63.6	63.1	52.4	52.0	60.7	63.6	63.6	69.0	69.2	69.6	70.0	69.2	68.7
35	48.7	60.1	61.5	66.0	66.0	64.5	63.6	63.1	52.4	52.0	60.7	63.6	63.6	69.1	69.2	69.6	70.0	69.3	68.7
34	48.7	60.2	61.5	66.0	66.0	64.5	63.5	63.1	52.4	52.0	60.7	63.6	63.7	69.1	69.2	69.6	70.1	69.3	68.8
33	48.7	60.2	61.5	66.0	66.0	64.5	63.5	63.1	52.4	52.0	60.7	63.6	63.7	69.2	69.3	69.6	70.1	69.3	68.8
32	48.7	60.2	61.5	66.0	66.0	64.4	63.5	63.0	52.4	52.0	60.7	63.5	63.8	69.2	69.3	69.7	70.1	69.3	68.8
31	48.8	60.2	61.5	66.0	66.0	64.4	63.5	63.0	52.4	52.0	60.7	63.5	63.8	69.2	69.3	69.7	70.1	69.3	68.8
30	48.8	60.2	61.5	65.9	65.9	64.3	63.4	62.9	52.3	52.0	60.7	63.5	63.9	69.2	69.3	69.7	70.1	69.3	68.8
29	48.8	60.2	61.5	65.8	65.8	64.3	63.3	62.8	52.3	52.0	60.7	63.4	63.9	69.2	69.3	69.7	70.1	69.3	68.8
28	48.8	60.2	61.4	65.8	65.8	64.2	63.2	62.7	52.3	52.0	60.6	63.3	63.9	69.2	69.3	69.7	70.1	69.3	68.7
27	48.8	60.1	61.3	65.7	65.7	64.1	63.1	62.6	52.2	51.9	60.6	63.2	63.9	69.2	69.3	69.6	70.1	69.3	68.7
26	48.8	60.0	61.2	65.5	65.5	63.9	62.9	62.5	52.2	52.0	60.5	63.0	64.0	69.2	69.2	69.6	70.0	69.2	68.7
25	48.8												64.0	69.1	69.1	69.5	70.0	69.1	68.6
24	48.9																		
23	48.9																		
22	48.9																		
21	48.9																		
20	48.9																		
19	48.9																		
18	48.9																		
17	48.9																		
16	48.9																		
15	49.0																		
14	49.0																		
13	49.0																		
12	49.0																		
11	<40																		
10	<40																		
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8																			
7																			
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5																			
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3																			
2																			
1																			
Max	49.0	60.2	61.5	66.0	66.0	64.5	63.6	63.1	52.4	52.0	60.7	63.6	64.0	69.2	69.3	69.7	70.1	69.3	68.8
Min	<40	59.9	61.2	65.5	65.5	63.9	62.9	62.5	52.2	51.9	60.5	63.0	63.4	68.9	69.1	69.5	69.9	69.1	68.6

Floor	R1208max	R1209max	R1210max	R1211max
40				
39	68.2	61.0	<40	<40
38	68.3	60.9	<40	<40
37	68.3	61.0	<40	<40
36	68.3	61.0	<40	<40
35	68.4	61.0	<40	<40
34	68.4	61.0	<40	<40
33	68.4	61.0	<40	<40
32	68.4	61.1	<40	<40
31	68.4	61.1	<40	<40
30	68.4	61.0	<40	<40
29	68.4	61.0	<40	<40
28	68.3	61.0	<40	<40
27	68.3	61.0	<40	<40
26	68.3	61.0	<40	<40
25	68.2	60.9	<40	<40
24				
23				
22				
21				
20				
19				
18				
17				
16				
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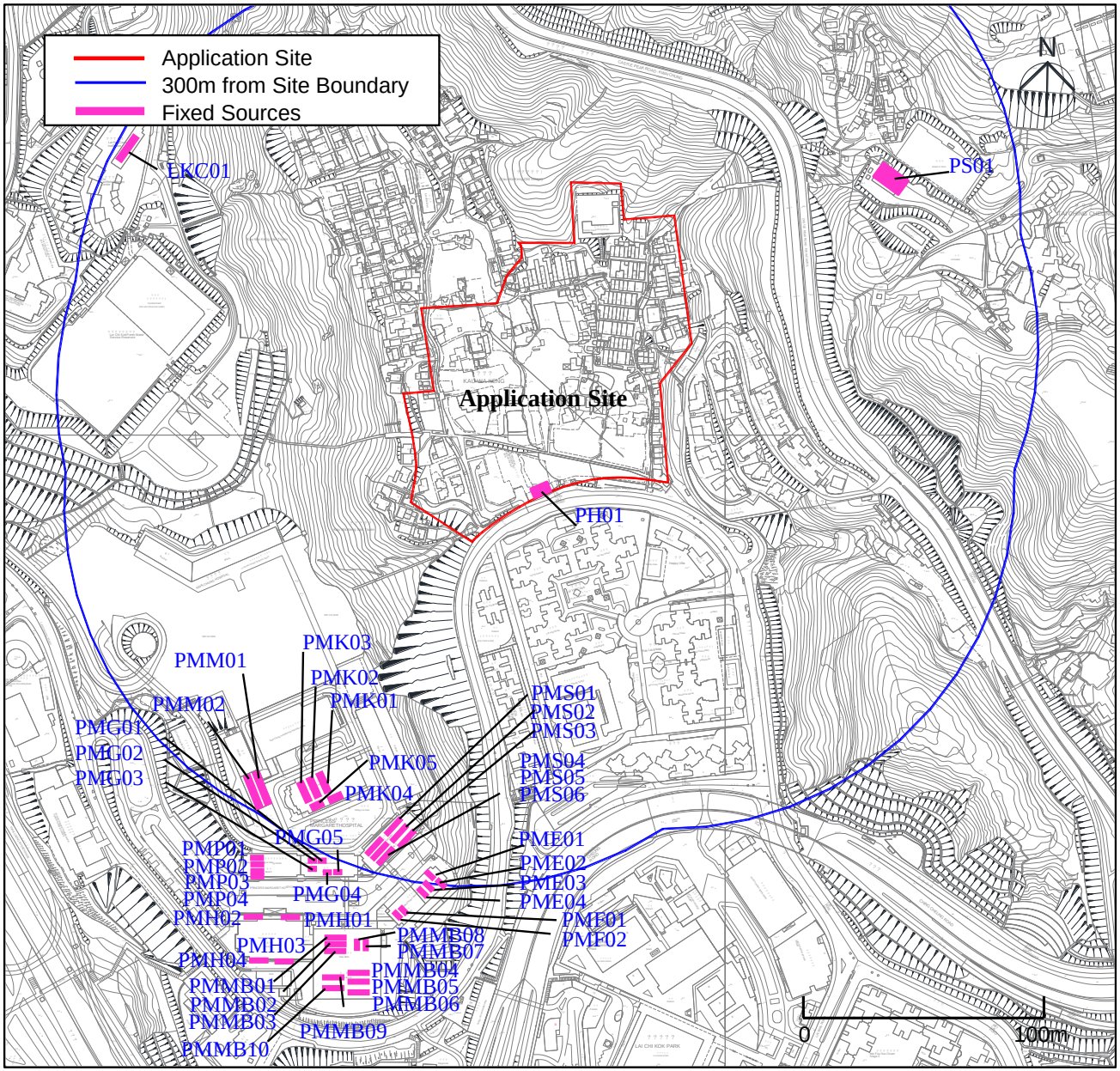
10				
9				
8				
7				
6				
5				
4				
3				
2				
1				
Max	68.4	61.1	<40	<40
Min	68.2	60.9	<40	<40

Appendix 5.1

Site Survey Record

Appendix 5.1: Site Survey Record



Identified Fixed Noise Source for Assessment
Fixed Noise Source ID: PS01

Name	Date of observation	Type of landuse	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
Kau Wa Keng Pumping Station (九華徑泵房)	10 April 2024	Government, Institution or Community	• Louvres on façade and pumps inside structure	• It is located at about 180 m to the northeast of the site. Site access is not allowed. Based on site inspection, no noticeable noise was perceived at the boundary of the pumping station. Given the large separation distance, potential fixed noise impact on the proposed development is not anticipated. Hence, it is not included in the assessment.

Identified Fixed Noise Source for Assessment
Fixed Noise Source ID: PH01

Name	Date of observation	Type of landuse	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
Pump House (九華徑泵房)	10 April 2024	Government, Institution or Community	• Pumps inside structure	• It is located within the Application Site. Based on site inspection, no noticeable noise was perceived at the boundary of the pump house during daytime and nighttime. Also, the noise climate was dominated by road traffic noise from Lai King Hill Road. In view of the small scale of sources and high background traffic noise, contribution from the pump house is considered insignificant. Hence, it is not included in the assessment.

Identified Fixed Noise Source for Assessment
Fixed Noise Source ID: PMK01 - 05

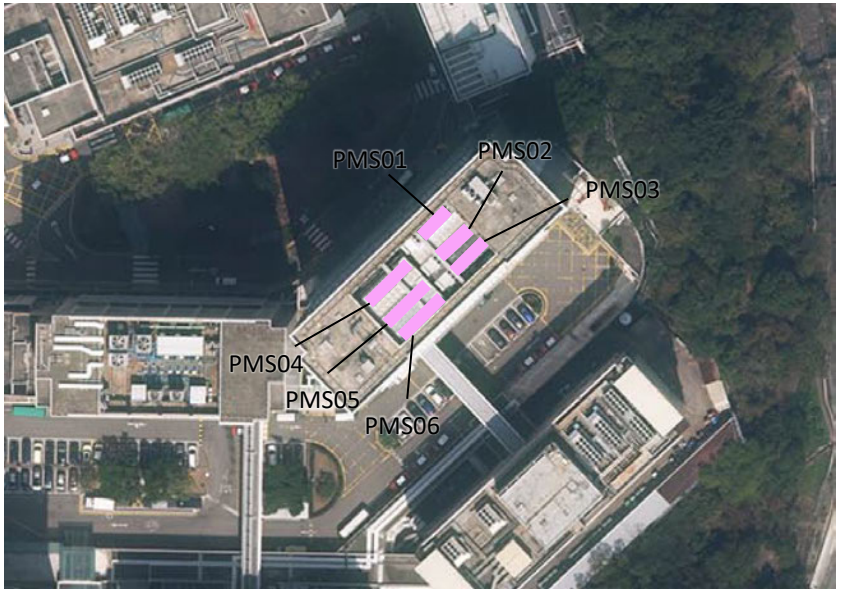
Name	Date of observation	Type of landuse	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
Princess Margaret Hospital Block K (瑪嘉烈醫院 K 座)	10 April 2024	Government, Institution or Community	• Chillers/ condensers on rooftop	• Fixed noise source operates in both daytime and night time. Planned NSRs may have direct line of sight to the fixed noise sources on the rooftop of Block K. • This fixed noise source is included for assessment.

Identified Fixed Noise Source for Assessment
Fixed Noise Source ID: PMM01 - 02

Name	Date of observation	Type of landuse	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
Princess Margaret Hospital Block M (瑪嘉烈醫院 M 座)	10 April 2024	Government, Institution or Community	• Chillers/ condensers on rooftop	• Based on the latest aerial photo, the fixed plants are vertically screened by the parapet walls on four sides of the rooftop. Hence, it is not included in the assessment.

Identified Fixed Noise Source for Assessment
Fixed Noise Source ID: PMS01 - 06

Name	Date of observation	Type of landuse	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
Princess Margaret Hospital Block S (瑪嘉烈醫院 S 座)	10 April 2024	Government, Institution or Community	• Chillers/ condensers on rooftop	• Based on the latest aerial photo, the fixed plants are vertically screened by the parapet walls on four sides of the rooftop. Hence, it is not included in the assessment.

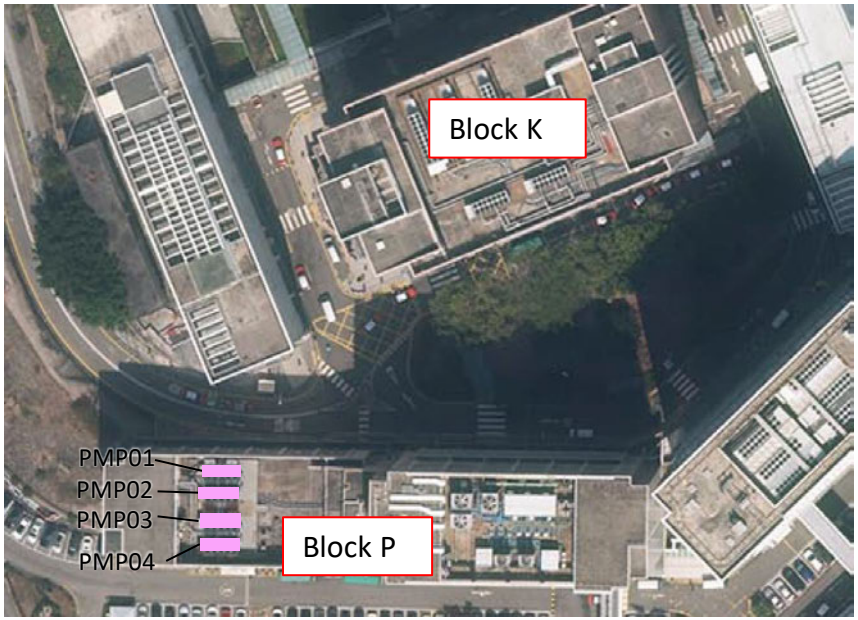


Identified Fixed Noise Source for Assessment
Fixed Noise Source ID: PMG01 - 05

Name	Date of observation	Type of landuse	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
Princess Margaret Hospital Block G (瑪嘉烈醫院 G 座)	10 April 2024	Government, Institution or Community	• Chillers/ condensers on rooftop	• Based on the latest aerial photo, the fixed plants are vertically screened by the parapet walls on four sides of the rooftop. Hence, it is not included in the assessment.

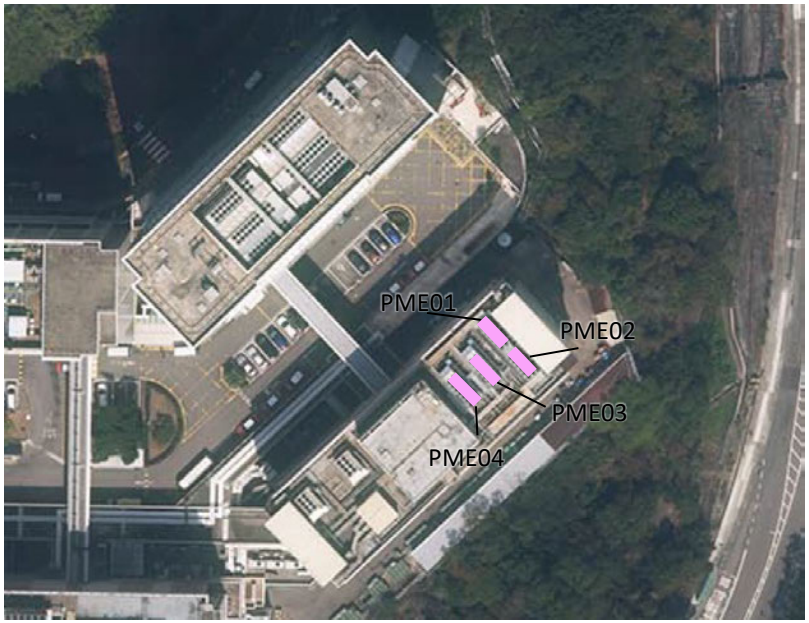
Identified Fixed Noise Source for Assessment
Fixed Noise Source ID: PMP01 - 04

Name	Date of observation	Type of landuse	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
Princess Margaret Hospital Block P (瑪嘉烈醫院 P 座)	10 April 2024	Government, Institution or Community	• Chillers/ condensers on rooftop	• Based on the latest aerial photo, the fixed plants on the rooftop of Block P 91.4 mPD are completely screened by Block K 118.7 mPD. Hence, it is not included in the assessment.



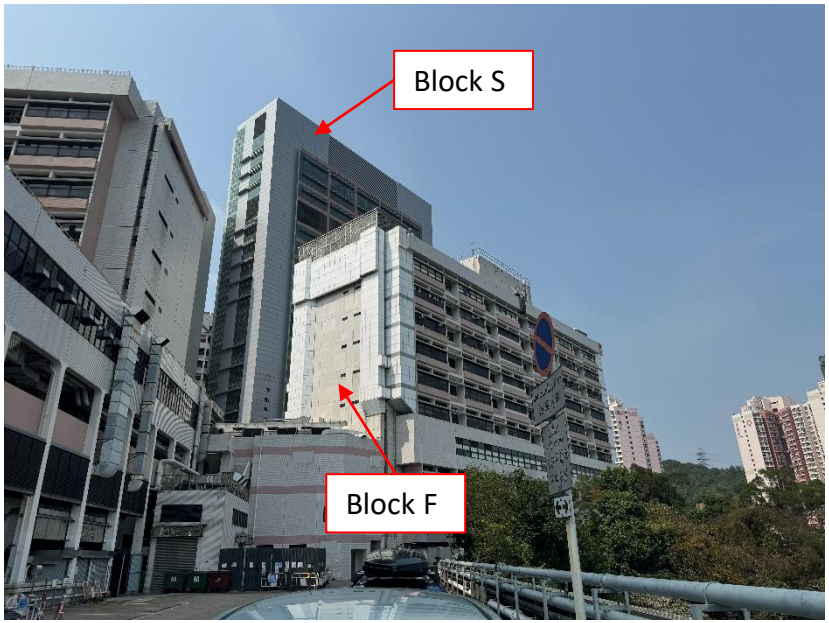
Identified Fixed Noise Source for Assessment
Fixed Noise Source ID: PME01 - 04

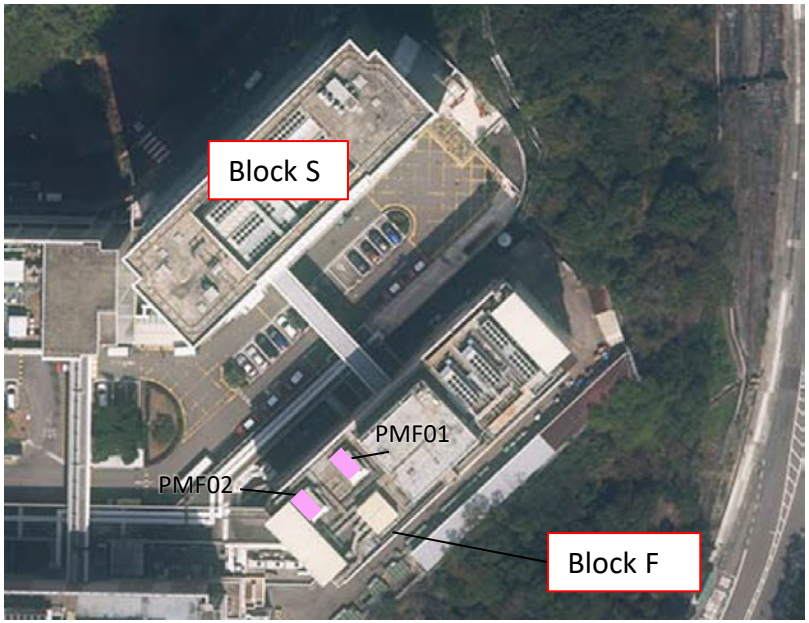
Name	Date of observation	Type of landuse	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
Princess Margaret Hospital Block E (瑪嘉烈醫院 E 座)	10 April 2024	Government, Institution or Community	• Chillers/ condensers on rooftop	• Fixed noise source operates in both daytime and night time. Planned NSRs may have direct line of sight to the fixed plants on the rooftop of Block E. • This fixed noise source is included for assessment.



Identified Fixed Noise Source for Assessment
Fixed Noise Source ID: PME01 - 02

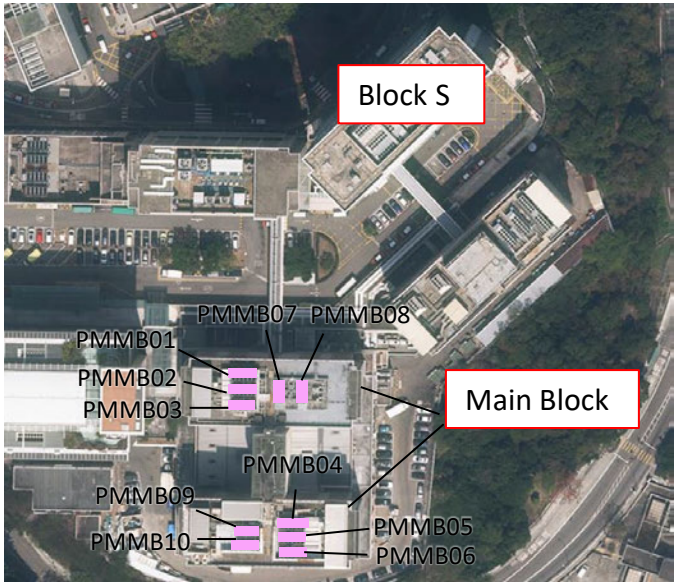
Name	Date of observation	Type of landuse	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
Princess Margaret Hospital Block F (瑪嘉烈醫院 F 座)	10 April 2024	Government, Institution or Community	• Chillers/ condensers on rooftop	• Based on the latest aerial photo, the fixed plants on the rooftop of Block F (84.6 mPD) are completely screened by Block S (146.9 mPD). Hence, it is not included in the assessment.





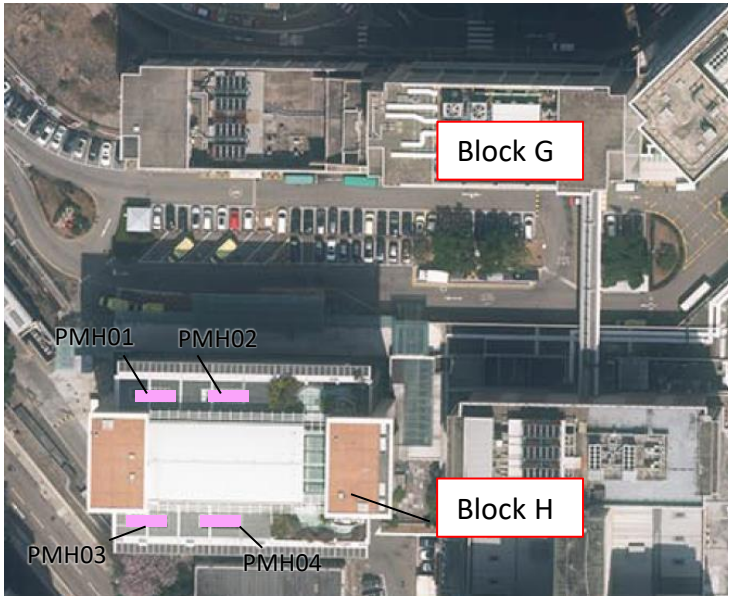
Identified Fixed Noise Source for Assessment
Fixed Noise Source ID: PMMB01 - 10

Name	Date of observation	Type of landuse	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
Princess Margaret Hospital Main Block (瑪嘉烈醫院 A,B,C,D 座)	10 April 2024	Government, Institution or Community	• Chillers/ condensers on rooftop	• Based on the latest aerial photo, the fixed plants on the rooftop of the main block 83.8 mPD are completely screened by Block S 146.9 mPD Hence, it is not included in the assessment.



Identified Fixed Noise Source for Assessment
Fixed Noise Source ID: PMH01 - 04

Name	Date of observation	Type of landuse	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
Princess Margaret Hospital Block H (瑪嘉烈醫院 H 座)	10 April 2024	Government, Institution or Community	• Chillers/ condensers on rooftop	• Based on the latest aerial photo, the fixed plants on the rooftop of Block H 103.8 mPD are completely screened by Block G 124.1 mPD. Hence, it is not included in the assessment.



Identified Fixed Noise Source for Assessment
Fixed Noise Source ID: KCH

Name	Date of observation	Type of landuse	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
Kwai Chung Hospital Block L (葵涌醫院 L, 座)	10 April 2024	Government, Institution or Community	• Chillers/ condensers on rooftop	• Based on the latest aerial photo, the fixed plants on the rooftop of Block L are completely covered Hence, it is not included in the assessment

Identified Fixed Noise Source for Assessment
Fixed Noise Source ID: LKC01

Name	Date of observation	Type of landuse	Noisy activities /sources based on site observation and/or employees information	Site record and/or information provided by operators / employees
Lai King Correctional Institution	10 April 2024	Government, Institution or Community	• Chillers/ condensers on rooftop	• It is located at about 290m to the northwest of the site. Site access is not allowed. Based on site inspection, no noticeable noise was perceived at the boundary of the institution. Given the large separation distance, potential fixed noise impact on the proposed development is not anticipated. Hence, it is not included in the assessment.

Appendix 5.2

Measured Sound Pressure Levels of Fixed Noise Sources

Project: Kau Wah Keng
Project number: 299277
Title: Measured Sound Pressure Level (SPL) of Fixed Noise Sources

Source Location	Source Description	Source ID	Source Height, mPD	Max Measured SPL, dB(A)	Measurement distance from source, m	Operation		Assumptions	Remarks
						Daytime	Nighttime		
Princess Margaret Hospital	Block K	PMK01	120.7	69.0	10.0	Y	Y	Model RTAF 410 Standard Efficiency Standard Noise	-
		PMK02	120.7	69.0	10.0	Y	Y	Model RTAF 410 Standard Efficiency Standard Noise	
		PMK03	120.7	69.0	10.0	Y	Y	Model RTAF 410 Standard Efficiency Standard Noise	
		PMK04	120.7	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	
		PMK05	120.7	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	
	Block S	PMS01	146.9	69.0	10.0	Y	Y	Model RTAF 410 Standard Efficiency Standard Noise	Based on the latest aerial photo and building height, the chillers/condensers are screened by the parapet walls itself.
		PMS02	146.9	69.0	10.0	Y	Y	Model RTAF 410 Standard Efficiency Standard Noise	
		PMS03	146.9	69.0	10.0	Y	Y	Model RTAF 410 Standard Efficiency Standard Noise	
		PMS04	146.9	69.0	10.0	Y	Y	Model RTAF 410 Standard Efficiency Standard Noise	
		PMS05	146.9	69.0	10.0	Y	Y	Model RTAF 410 Standard Efficiency Standard Noise	
		PMS06	146.9	69.0	10.0	Y	Y	Model RTAF 410 Standard Efficiency Standard Noise	
	Block M	PMM01	109.4	69.0	10.0	Y	Y	Model RTAF 410 Standard Efficiency Standard Noise	Based on the latest aerial photo and building height, the chillers/condensers are screened by the parapet walls itself.
		PMM02	109.4	69.0	10.0	Y	Y	Model RTAF 410 Standard Efficiency Standard Noise	
	Block E	PME01	87.0	64.0	10.0	Y	Y	Model RTAF 205 Standard Efficiency Standard Noise	-
		PME02	87.0	64.0	10.0	Y	Y	Model RTAF 205 Standard Efficiency Standard Noise	
		PME03	87.0	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	
		PME04	87.0	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	
	Block F	PMF01	86.6	62.0	10.0	Y	Y	Model RTAF 125 Standard Efficiency Standard Noise	Based on the latest aerial photo and building height, the chillers/condensers are completely screened by Block S.
		PMF02	86.6	62.0	10.0	Y	Y	Model RTAF 125 Standard Efficiency Standard Noise	
	Block G	PMG01	124.1	46.0	5.0	Y	Y	Zonda-S H 80-1 A 2,1 V AC 06D	Based on the latest aerial photo and building height, the chillers/condensers are screened by the parapet walls itself.
		PMG02	124.1	46.0	5.0	Y	Y	Zonda-S H 80-1 A 2,1 V AC 06D	
		PMG03	124.1	46.0	5.0	Y	Y	Zonda-S H 80-1 A 2,1 V AC 06D	
		PMG04	124.1	46.0	5.0	Y	Y	Zonda-S H 80-1 A 2,1 V AC 06D	
		PMG05	124.1	46.0	5.0	Y	Y	Zonda-S H 80-1 A 2,1 V AC 06D	
	Block P	PMP01	93.4	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	Based on the latest aerial photo and building height, the chillers/condensers are completely screened by Block K.
		PMP02	93.4	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	
		PMP03	93.4	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	
		PMP04	93.4	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	
	Block H	PMH01	61.4	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	Based on the latest aerial photo and building height, the chillers/condensers are completely screened by Block G.
		PMH02	61.4	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	
		PMH03	61.4	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	
		PMH04	61.4	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	
	Main Block	PMMB01	85.8	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	Based on the latest aerial photo and building height, the chillers/condensers are completely screened by Block S.
		PMMB02	85.8	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	
		PMMB03	85.8	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	
		PMMB04	85.8	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	
		PMMB05	85.8	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	
		PMMB06	85.8	68.0	10.0	Y	Y	Model RTAF 310 Standard Efficiency Standard Noise	
		PMMB07	85.8	64.0	10.0	Y	Y	Model RTAF 205 Standard Efficiency Standard Noise	
		PMMB08	85.8	64.0	10.0	Y	Y	Model RTAF 205 Standard Efficiency Standard Noise	
		PMMB09	85.8	64.0	10.0	Y	Y	Model RTAF 205 Standard Efficiency Standard Noise	
		PMMB10	85.8	64.0	10.0	Y	Y	Model RTAF 205 Standard Efficiency Standard Noise	

Note:
Measured SPL and measured distance of fixed noise sources are referenced from specification/ catalogue for Trane Model RTAF 090 to 450 air-cooled chillers and Stefani V-type single-row condensers. The models chosen are based on dimensions observed in aerial photos and dimension data as shown in the specification/ catalogue.

Appendix 5.3

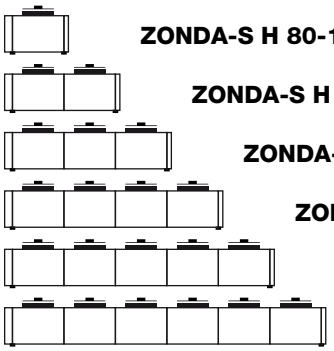
Fixed Noise Plant Catalog - Stefan

AIR HEAT EXCHANGER MANUFACTURER

ZONDA-S H 80

V-type single-row condenser

Ø 800 mm	FAN SIZE
60 ÷ 530 kW	DT 15K CAPACITY
1 ÷ 6	NUMBER OF FANS



ZONDA-S H 80-1

ZONDA-S H 80-2

ZONDA-S H 80-3

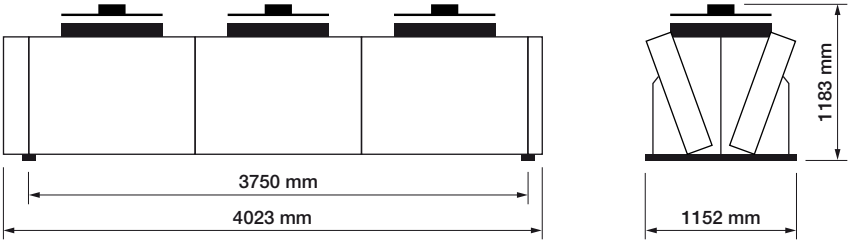
ZONDA-S H 80-4

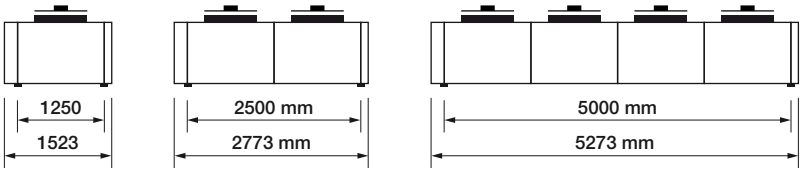
ZONDA-S H 80-5

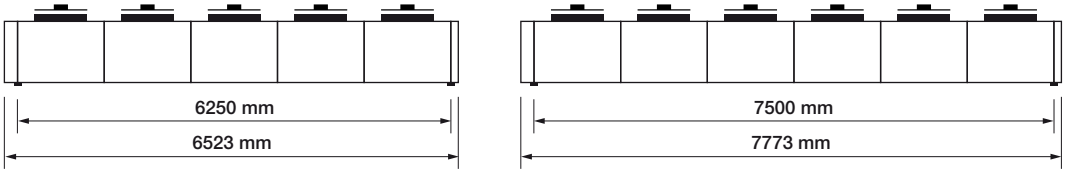
ZONDA-S H 80-6

DIMENSIONS

ZONDA-S H 80-1/2/3/4/5/6







ZONDA-S H 80

V-type single-row condenser

3 PH 6 poles	CAPACITY	SURFACE	AIR FLOW	SOUND PRESSURE	N° FANS x DIAMETER	FANS DIAMETER	FAN SPEED	POWER	CURRENT	VOLUME	WEIGHT	Ø IN	Ø OUT
	kW	m²	m³/h	dB(A) @ 5m	Nr. x Ø mm	mm	Rpm	W	A	lt	kg	mm	mm
ZONDA-S H 80-1 A 2,1 V AC 06D	70,8	104,7	20300	46	1x1	800	880	1720	3,9	12,1	142	2x28	2x22
ZONDA-S H 80-1 B 2,1 V AC 06D	84,1	157,1	19250	46	1x1	800	880	1720	3,9	18,1	159	2x28	2x22
ZONDA-S H 80-1 C 2,1 V AC 06D	87,9	209,5	18350	46	1x1	800	880	1720	3,9	23,1	176	2x28	2x22
ZONDA-S H 80-2 A 2,1 V AC 06D	141,2	209,5	40550	49	1x2	800	880	3440	7,8	23,1	251	2x35	2x28
ZONDA-S H 80-2 B 2,1 V AC 06D	167,1	314,2	38500	49	1x2	800	880	3440	7,8	34,1	284	2x35	2x28
ZONDA-S H 80-2 C 2,1 V AC 06D	176,4	419	36700	49	1x2	800	880	3440	7,8	45,7	318	2x35	2x28
ZONDA-S H 80-3 A 2,1 V AC 06D	212,3	314,2	60850	51	1x3	800	880	5160	11,7	34,1	361	2x35	2x28
ZONDA-S H 80-3 B 2,1 V AC 06D	250,5	470,9	57750	51	1x3	800	880	5160	11,7	51,7	411	2x42	2x35
ZONDA-S H 80-3 C 2,1 V AC 06D	265	628,5	55100	51	1x3	800	880	5160	11,7	68,5	462	2x42	2x35
ZONDA-S H 80-4 A 2,1 V AC 06D	282,6	419	81150	52	1x4	800	880	6880	15,6	46,5	470	2x42	2x35
ZONDA-S H 80-4 B 2,1 V AC 06D	338,2	628,5	77000	52	1x4	800	880	6880	15,6	69,9	537	2x54	2x42
ZONDA-S H 80-4 C 2,1 V AC 06D	359	837,9	73450	52	1x4	800	880	6880	15,6	93,8	605	2x54	2x42
ZONDA-S H 80-5 A 2,1 V AC 06D	356,3	523,7	101400	53	1x5	800	880	8600	19,5	57,5	580	2x54	2x42
ZONDA-S H 80-5 B 2,1 V AC 06D	422,4	785,6	96250	53	1x5	800	880	8600	19,5	84,5	664	2x54	2x42
ZONDA-S H 80-5 C 2,1 V AC 06D	446,3	1047,4	91800	53	1x5	800	880	8600	19,5	115,8	749	2x54	2x42
ZONDA-S H 80-6 A 2,1 V AC 06D	425,4	628,5	121700	54	1x6	800	880	10320	23,4	68,5	688	2x54	2x42
ZONDA-S H 80-6 B 2,1 V AC 06D	502,8	942,7	115500	54	1x6	800	880	10320	23,4	101,5	790	2x64	2x54
ZONDA-S H 80-6 C 2,1 V AC 06D	530,5	1256,9	110150	54	1x6	800	880	10320	23,4	137,8	892	2x64	2x54

3 PH 8 poles	CAPACITY	SURFACE	AIR FLOW	SOUND PRESSURE	N° FANS x DIAMETER	FANS DIAMETER	FAN SPEED	POWER	CURRENT	VOLUME	WEIGHT	Ø IN	Ø OUT
	kW	m²	m³/h	dB(A) @ 5m	Nr. x Ø mm	mm	Rpm	W	A	lt	kg	mm	mm
ZONDA-S H 80-1 A 2,1 V AC 08D	60	104,7	14700	39	1x1	800	680	770	2,22	12,1	142	2x28	2x22
ZONDA-S H 80-1 B 2,1 V AC 08D	67	157,1	14000	39	1x1	800	680	770	2,22	18,1	159	2x28	2x22
ZONDA-S H 80-1 C 2,1 V AC 08D	67,3	209,5	13400	39	1x1	800	680	770	2,22	23,1	176	2x28	2x22
ZONDA-S H 80-2 A 2,1 V AC 08D	119,8	209,5	29450	42	1x2	800	680	1540	4,44	23,1	251	2x35	2x28
ZONDA-S H 80-2 B 2,1 V AC 08D	133,2	314,2	28000	42	1x2	800	680	1540	4,44	34,1	284	2x35	2x28
ZONDA-S H 80-2 C 2,1 V AC 08D	134,9	419	26750	42	1x2	800	680	1540	4,44	45,7	318	2x35	2x28
ZONDA-S H 80-3 A 2,1 V AC 08D	180	314,2	44150	44	1x3	800	680	2310	6,66	34,1	361	2x35	2x28
ZONDA-S H 80-3 B 2,1 V AC 08D	199,7	470,9	42050	44	1x3	800	680	2310	6,66	51,7	411	2x42	2x35
ZONDA-S H 80-3 C 2,1 V AC 08D	202,5	628,5	40150	44	1x3	800	680	2310	6,66	68,5	462	2x42	2x35
ZONDA-S H 80-4 A 2,1 V AC 08D	239,3	419	58850	45	1x4	800	680	3080	8,88	46,5	470	2x42	2x35
ZONDA-S H 80-4 B 2,1 V AC 08D	269,1	628,5	56050	45	1x4	800	680	3080	8,88	69,9	537	2x54	2x42
ZONDA-S H 80-4 C 2,1 V AC 08D	273,5	837,9	53500	45	1x4	800	680	3080	8,88	93,8	605	2x54	2x42
ZONDA-S H 80-5 A 2,1 V AC 08D	301,6	523,7	73550	46	1x5	800	680	3850	11,1	57,5	580	2x54	2x42
ZONDA-S H 80-5 B 2,1 V AC 08D	336	785,6	70050	46	1x5	800	680	3850	11,1	84,5	664	2x54	2x42
ZONDA-S H 80-5 C 2,1 V AC 08D	340,4	1047,4	66900	46	1x5	800	680	3850	11,1	115,8	749	2x54	2x42
ZONDA-S H 80-6 A 2,1 V AC 08D	360,6	628,5	88300	47	1x6	800	680	4620	13,32	68,5	688	2x54	2x42
ZONDA-S H 80-6 B 2,1 V AC 08D	400,6	942,7	84050	47	1x6	800	680	4620	13,32	101,5	790	2x64	2x54
ZONDA-S H 80-6 C 2,1 V AC 08D	405,4	1256,9	80250	47	1x6	800	680	4620	13,32	137,8	892	2x64	2x54

Capacity: R404A Tc=40°C Ts=65°C Ta=25°C

stefani® SMART THINKING

Appendix 5.4

Fixed Noise Plant Catalog - Trane

Sintesis air-cooled chillers

Model RTAF 090 to 450
(300 to 1600 kW – 50 Hz)
Built for Industrial and Commercial Markets

SINTESIS

RLC-PRC046C-GB

Sound Power Levels

Table 19 – Sound power levels in accordance with ISO 9614 - 1996.

Unit RTAF	SE					HE		XE					HSE				
dB(A)(1)	SN	LN	LN+NNSB	XLN	XLN+NNSB	SN	LN	SN	LN	LN+NNSB	XLN	XLN+NNSB	SN	LN	LN+NNSB	XLN	XLN+NNSB
090	95	92	89	88	85	95	93	94	91	90	88	86	94	91	90	88	86
105	95	92	89	89	86	95	93	94	91	89	88	86	94	91	89	88	86
125	95	92	89	89	86	96	93	95	92	90	88	85	95	92	90	88	85
145	96	93	90	89	86	96	93	96	93	90	89	86	96	93	90	89	86
155	96	93	90	90	87	97	94	97	94	91	90	87	97	94	91	90	87
175	97	94	91	90	87	97	94	97	94	91	90	87	97	94	91	90	87
190	97	94	91	91	88	98	95	98	95	92	91	88	98	95	92	91	88
205	97	94	91	91	88	98	95	98	95	92	91	88	98	95	92	91	88

Table 20 – Sound pressure levels at 10m

Unit RTAF		SE				HE		XE					HSE				
dB(A)(2)	SN	LN	LN+NNSB	XLN	XLN+NNSB	SN	LN	SN	LN	LN+NNSB	XLN	XLN+NNSB	SN	LN	LN+NNSB	XLN	XLN+NNSB
090	62	59	56	55	52	62	60	61	58	57	55	53	61	58	57	55	53
105	62	59	56	56	53	62	60	61	58	56	55	53	61	58	56	55	53
125	62	59	56	56	53	63	60	62	59	57	55	52	62	59	57	55	52
145	63	60	57	56	53	63	60	63	60	57	56	53	63	60	57	56	53
155	63	60	57	57	54	64	61	64	61	58	57	54	64	61	58	57	54
175	64	61	58	57	54	64	61	64	61	58	57	54	64	61	58	57	54
190	64	61	58	58	55	65	62	65	62	59	58	55	65	62	59	58	55
205	64	61	58	58	55	65	62	65	62	59	58	55	65	62	59	58	55

Notes:

At Eurovent conditions: 12/7°C entering/leaving water temperature and 35°C ambient temperature

(1) Value at full load with 1pW Reference Sound Power, according to ISO9614

(2) Average at 10 meters in a free field. This is a non-contractual data, calculated from the above certified sound power level according to the formula Lp=Lw-10logS. This is an averaged value considering the unit as a paralelopedic box with five exposed face areas.

Table 21 – Sound Power Levels in accordance with ISO 9614-1996

Unit RTAF	SE					HE		XE					HSS					HSE				
dB(A)	SN	LN	LN+NNSB	XLN	XLN+NNSB	SN	LN	SN	LN	LN+NNSB	XLN	XLN+NNSB	SN	LN	LN+NNSB	XLN	XLN+NNSB	SN	LN	LN+NNSB	XLN	XLN+NNSB
250	99	96	94	93	91	99	96	99	96	94	93	91	99	97	95	93	91	99	97	95	93	91
280	100	97	95	94	92	100	97	100	97	95	94	92	100	98	96	94	92	100	98	96	94	92
310	101	98	96	94	92	101	98	101	98	96	95	93	101	99	97	95	93	101	99	97	95	93
350	101	98	96	94	92	101	98	101	98	96	95	93	101	99	97	95	93	101	99	97	95	93
380	101	98	96	95	93	102	98	102	98	96	95	93	102	99	97	95	93	102	99	97	95	93
410	102	99	97	95	93	102	99	102	99	97	95	93	102	100	98	95	93	102	100	98	95	93
450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	107	105	103	103	101

Table 22 – Sound Pressure Levels at 10 m

Unit RTAF		SE				HE		XE					HSS					HSE				
dB(A)	SN	LN	LN+NNSB	XLN	XLN+NNSB	SN	LN	SN	LN	LN+NNSB	XLN	XLN+NNSB	SN	LN	LN+NNSB	XLN	XLN+NNSB	SN	LN	LN+NNSB	XLN	XLN+NNSB
250	66	63	61	60	58	66	63	66	63	61	60	58	66	64	62	60	58	66	64	62	60	58
280	67	64	62	61	59	67	64	67	64	62	61	59	67	65	63	61	59	67	65	63	61	59
310	68	65	63	61	59	68	65	68	65	63	62	60	68	66	64	62	60	68	66	64	62	60
350	68	65	63	61	59	68	65	68	65	63	62	60	68	66	64	62	60	68	66	64	62	60
380	68	65	63	62	60	69	65	69	65	63	62	60	69	66	64	62	60	69	66	64	62	60
410	69	66	64	62	60	69	66	69	66	64	62	60	69	67	65	62	60	69	67	65	62	60
450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	72	70	70	68

Notes:

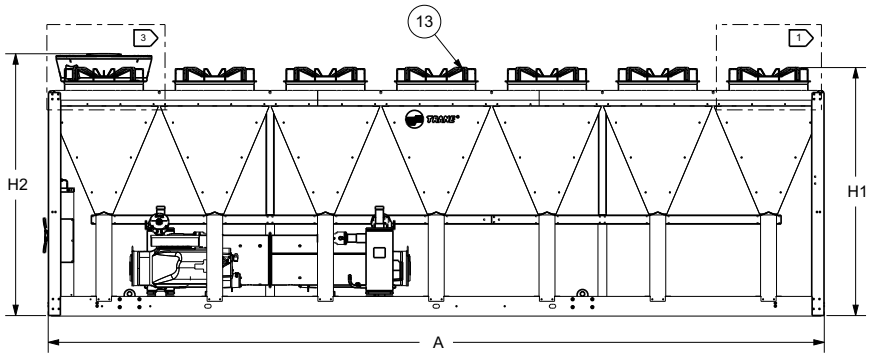
At Eurovent conditions: 12/7°C entering/leaving water temperature and 35°C ambient temperature

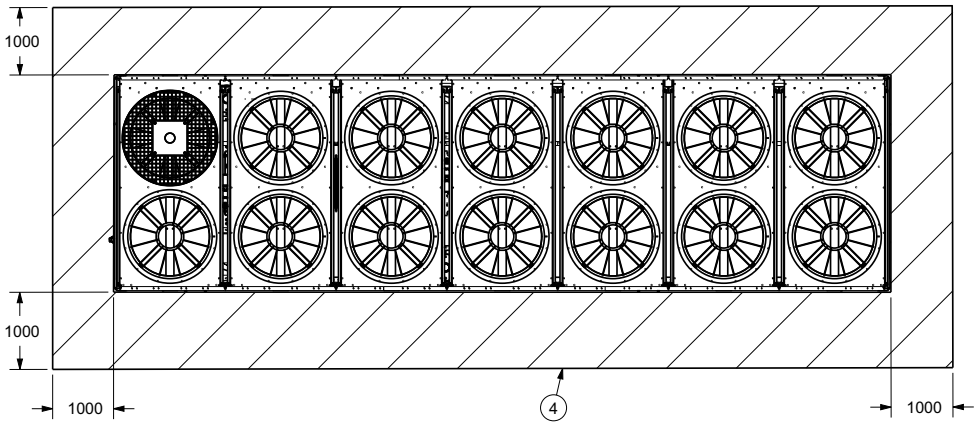
(1) Value at full load with 1pW Reference Sound Power, according to ISO9614

(2) Average at 10 meters in a free field. This is a non-contractual data, calculated from the above certified sound power level according to the formula Lp=Lw-10logS. This is an averaged value considering the unit as a paralelopedic box with five exposed face areas.

Dimensional Data

Dimensions RTAF models SE / HE / XE



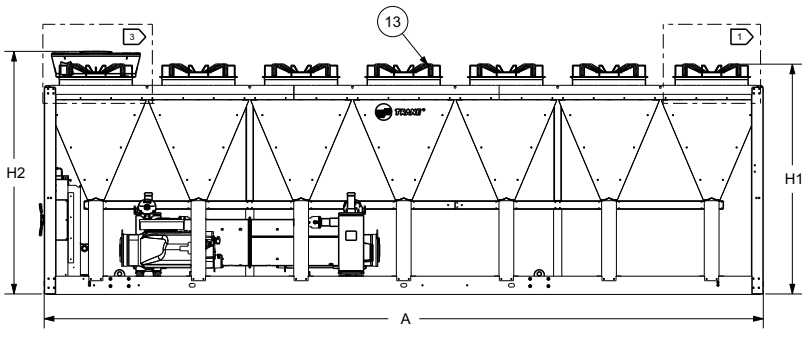


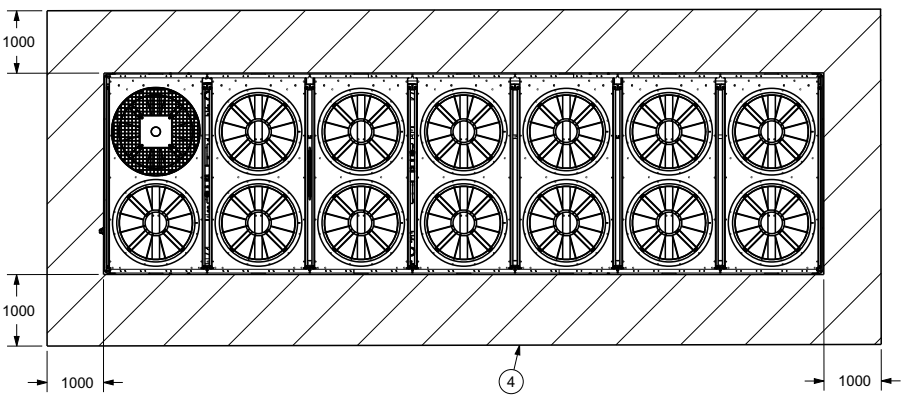
H1 = STD_LN
H2 = XLN

		A	H1	H2
090-105-125	SE	4520	2526	2672
	HE_XE	5645		
145-155-175	SE	5645		
	HE_XE	6770		
190-205	SE	6770		
	HE_XE	7895		

		13
090_105_125	SE	8
	HE_XE	10
145_155_175	SE	10
	HE_XE	12
190_205	SE	12
	HE_XE	14

Dimensions RTAF model HSE





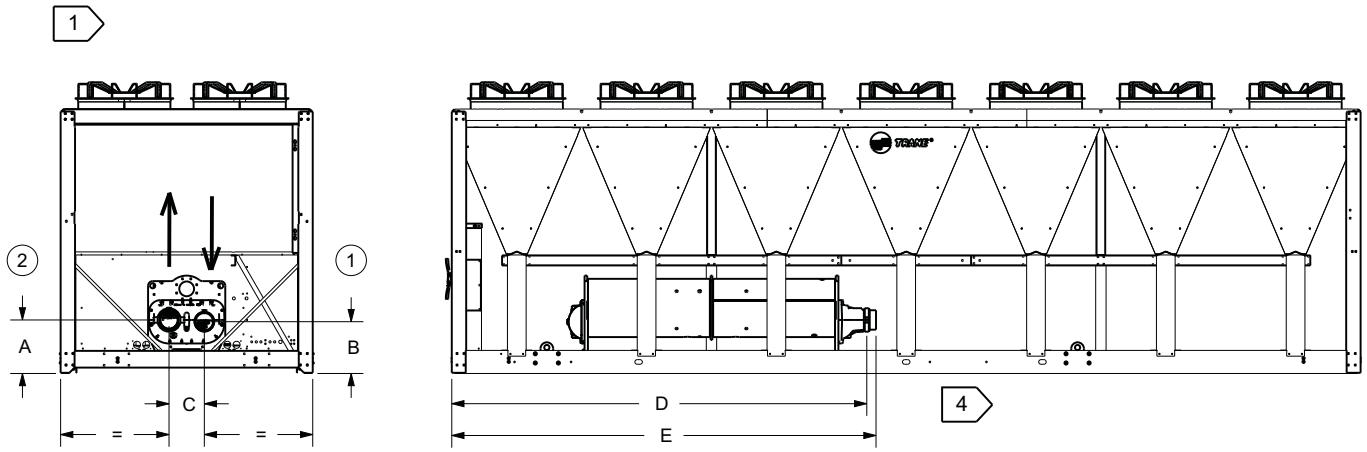
H1 = STD_LN
H2 = XLN

	A	H1	H2
090-105-125	5645	2526	2672
145-155-175	6770		
190-205	7895		

	13
090-105-125	10
145-155-175	12
190-205	14

Dimensional Data

RTAF 090-205 units without hydraulic module



	∅ VICTAULIC ®	A	B	C	D	4 E
090-105	4"_114.3 mm	459	449	260	3565	3625
125-145-155	5"_139.7 mm	501	491	275	3570	3630
175-190	6"_168.3 mm	464	449	306	3595	3675
205	6"_168.3 mm	464	449	306	3595	3675

Numbers in circles

1 = Evaporator water inlet connection
2 = Evaporator water outlet connection
3 = Electrical panel
4 = Minimum clearance (air entering and maintenance)
5 = Power cable gland plate for customer wiring
6 = External control wiring cable gland plate
7 = Power disconnect switch
8 = Display module
9 = Main processor module
10 = Hydraulic module
11 = Isolators
12 = Operating weight (kg)
13 = Number of fans

Numbers in arrows

1 = SN_LN unit
2 = Unit with hydraulic module
3 = Option XLN
4 = Grooved pipe (option)

Appendix 5.5

Parameters and Assumptions for Fixed Noise Impact Assessment

Sound Pressure Level (SPL) for Identified Fixed Noise Sources

1. Sound Pressure Level (SPL) from identified fixed noise sources was reference to other plant of similar mode, nature and scale. The assumptions and details of identified noise sources are summarized as follow:

Identified Noise Sources	Assumptions / Details
Kau Wa Keng Pumping Station	• Operation: Exhaust and pumps enclosed in the building • It is located at about 180m to the northeast of the site. Site access is not allowed. Based on site inspection, no noticeable noise was perceived at the boundary of the pumping station. Given the large separation distance, potential fixed noise impact on the proposed development is not anticipated.
Pump House	• Operation: Exhaust and pumps enclosed in the building • It is located within the Application Site. Based on site inspection, no noticeable noise was perceived. Also, the noise climate was dominated by road traffic noise from Lai King Hill Road. In view of the small scale of sources and high background traffic noise, contribution from the pump house is considered insignificant and hence not considered.
Princess Margaret Hospital Block K	• Operation: Chillers/ Condensers on rooftop
Princess Margaret Hospital Block M	• Operation: Chillers/ Condensers on rooftop
Princess Margaret Hospital Block S	• Operation: Chillers/ Condensers on rooftop
Princess Margaret Hospital Block G	• Operation: Chillers/ Condensers on rooftop
Princess Margaret Hospital Block P	• Operation: Chillers/ Condensers on rooftop
Princess Margaret Hospital Block E	• Operation: Chillers/ Condensers on rooftop
Princess Margaret Hospital Block F	• Operation: Chillers/ Condensers on rooftop
Princess Margaret Hospital Block Main Block	• Operation: Chillers/ Condensers on rooftop
Princess Margaret Hospital Block H	• Operation: Chillers/ Condensers on rooftop
Lai King Correctional Institution	• Operation: Chillers/ condensers on rooftop

Identified Noise Sources	Assumptions / Details
	• It is located at about 290 m to the northwest of the site. Site access is not allowed. Based on site inspection, no noticeable noise was perceived at the boundary of the institution. Given the large separation distance, potential fixed noise impact on the proposed development is not anticipated. Hence it is not included in the assessment

Calculation of Predicted SPL at NSRs

2. Predicted daytime and night-time SPLs at NSRs are corrected from the measured SPL with the following parameters:

Correction	Calculation / Assumption (dB(A))
Distance Correction	-[20 log (d / $d_{measure}$)] *where* d = shortest slant distance from NSR to center of noise source; and $d_{measure}$ = horizontal distance from measurement location to center of noise source
Screening Effect Correction	● No correction applied if only partially screened ● For noise sources which are largely separated from the development and are completely screened by front buildings, noise contribution is considered insignificant and hence -10dB(A) correction has been applied.
Tonality Correction	No tonal character has been identified at the subject site and therefore no correction has been applied.
Intermittency Correction	No intermittent character has been identified at the subject site and therefore no correction has been applied.
Impulsiveness Correction	No impulsiveness character has been identified at the subject site and therefore no correction has been applied.
Facade Correction	+3dB(A)

Appendix 5.6

Predicted Fixed Noise Levels - Scenario A

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R104d**
NSR x coord:	**832087**
NSR y coord:	**822783**
NSR floor (/F)	**1**
NSR height (mPD)	**30.2**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	346	-31	-10	3	31	31	-
PMK02			Y	Y	69	10	353	-31	-10	3	31	31	-
PMK03			Y	Y	69	10	360	-31	-10	3	31	31	-
PMK04			Y	Y	68	10	366	-31	-10	3	30	30	-
PMK05			Y	Y	68	10	362	-31	-10	3	30	30	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	361	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	366	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	371	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	363	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	368	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	374	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	373	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	382	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	379	-32	-	3	35	35	-
PME02			Y	Y	64	10	383	-32	-	3	35	35	-
PME03			Y	Y	68	10	378	-32	-	3	39	39	-
PME04			Y	Y	68	10	383	-32	-	3	39	39	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	407	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	415	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	408	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	410	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	415	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	416	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	414	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	425	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	429	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	434	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	437	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	466	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	476	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	483	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	493	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	451	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	456	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	461	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	484	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	489	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	494	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	450	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	452	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	491	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	497	-	-	-	-	-	No line of sight.
										Total SPL	45	45	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R104d**
NSR x coord:	**832087**
NSR y coord:	**822783**
NSR floor (/F)	**10**
NSR height (mPD)	**58.55**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	340	-31	-10	3	31	31	-
PMK02			Y	Y	69	10	347	-31	-10	3	31	31	-
PMK03			Y	Y	69	10	354	-31	-10	3	31	31	-
PMK04			Y	Y	68	10	360	-31	-10	3	30	30	-
PMK05			Y	Y	68	10	356	-31	-10	3	30	30	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	353	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	358	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	363	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	355	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	360	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	366	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	368	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	377	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	376	-32	-	3	35	35	-
PME02			Y	Y	64	10	380	-32	-	3	35	35	-
PME03			Y	Y	68	10	375	-31	-	3	40	40	-
PME04			Y	Y	68	10	380	-32	-	3	39	39	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	404	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	412	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	402	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	405	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	409	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	410	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	408	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	422	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	425	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	430	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	434	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	465	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	475	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	482	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	492	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	449	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	453	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	458	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	481	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	486	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	491	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	447	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	450	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	489	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	495	-	-	-	-	-	No line of sight.
										Total SPL	45	45	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R104d**
NSR x coord:	**832087**
NSR y coord:	**822783**
NSR floor (/F)	**20**
NSR height (mPD)	**90.05**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	336	-31	-10	3	31	31	-
PMK02			Y	Y	69	10	343	-31	-10	3	31	31	-
PMK03			Y	Y	69	10	349	-31	-10	3	31	31	-
PMK04			Y	Y	68	10	356	-31	-10	3	30	30	-
PMK05			Y	Y	68	10	352	-31	-10	3	30	30	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	346	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	351	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	357	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	349	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	354	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	359	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	365	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	374	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	375	-31	-	3	36	36	-
PME02			Y	Y	64	10	379	-32	-	3	35	35	-
PME03			Y	Y	68	10	374	-31	-	3	40	40	-
PME04			Y	Y	68	10	379	-32	-	3	39	39	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	403	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	411	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	398	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	401	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	405	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	407	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	405	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	421	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	424	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	429	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	433	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	466	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	476	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	483	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	493	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	448	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	453	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	458	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	480	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	486	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	490	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	446	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	449	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	488	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	494	-	-	-	-	-	No line of sight.
										Total SPL	45	45	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R104d**
NSR x coord:	**832087**
NSR y coord:	**822783**
NSR floor (/F)	**30**
NSR height (mPD)	**121.55**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	334	-30	-	3	42	42	-
PMK02			Y	Y	69	10	341	-31	-	3	41	41	-
PMK03			Y	Y	69	10	348	-31	-	3	41	41	-
PMK04			Y	Y	68	10	354	-31	-	3	40	40	-
PMK05			Y	Y	68	10	351	-31	-	3	40	40	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	342	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	348	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	353	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	345	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	350	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	356	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	364	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	374	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	377	-32	-	3	35	35	-
PME02			Y	Y	64	10	381	-32	-	3	35	35	-
PME03			Y	Y	68	10	375	-31	-	3	40	40	-
PME04			Y	Y	68	10	380	-32	-	3	39	39	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	405	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	413	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	397	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	400	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	404	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	405	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	403	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	422	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	425	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	430	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	433	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	469	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	479	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	486	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	496	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	449	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	454	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	459	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	482	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	487	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	492	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	448	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	450	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	490	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	495	-	-	-	-	-	No line of sight.
										Total SPL	49	49	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R104d**
NSR x coord:	**832087**
NSR y coord:	**822783**
NSR floor (/F)	**37**
NSR height (mPD)	**143.6**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	335	-31	-	3	41	41	-
PMK02			Y	Y	69	10	342	-31	-	3	41	41	-
PMK03			Y	Y	69	10	349	-31	-	3	41	41	-
PMK04			Y	Y	68	10	355	-31	-	3	40	40	-
PMK05			Y	Y	68	10	351	-31	-	3	40	40	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	341	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	347	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	352	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	344	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	349	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	355	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	366	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	375	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	379	-32	-	3	35	35	-
PME02			Y	Y	64	10	383	-32	-	3	35	35	-
PME03			Y	Y	68	10	378	-32	-	3	39	39	-
PME04			Y	Y	68	10	383	-32	-	3	39	39	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	407	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	415	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	397	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	400	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	405	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	406	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	404	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	424	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	427	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	432	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	435	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	472	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	482	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	489	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	499	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	451	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	456	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	461	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	484	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	489	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	494	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	450	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	453	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	492	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	497	-	-	-	-	-	No line of sight.
										Total SPL	49	49	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R211a**
NSR x coord:	**832019**
NSR y coord:	**822809**
NSR floor (/F)	**1**
NSR height (mPD)	**30.2**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	337	-31	-10	3	31	31	-
PMK02			Y	Y	69	10	343	-31	-10	3	31	31	-
PMK03			Y	Y	69	10	349	-31	-10	3	31	31	-
PMK04			Y	Y	68	10	358	-31	-10	3	30	30	-
PMK05			Y	Y	68	10	355	-31	-10	3	30	30	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	368	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	372	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	377	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	371	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	376	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	380	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	353	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	361	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	394	-32	-	3	35	35	-
PME02			Y	Y	64	10	399	-32	-	3	35	35	-
PME03			Y	Y	68	10	392	-32	-	3	39	39	-
PME04			Y	Y	68	10	397	-32	-	3	39	39	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	417	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	426	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	405	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	407	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	411	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	415	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	413	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	415	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	418	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	424	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	428	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	461	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	469	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	480	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	487	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	455	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	460	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	465	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	492	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	498	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	503	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	457	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	458	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	498	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	503	-	-	-	-	-	No line of sight.
										Total SPL	45	45	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R211a**
NSR x coord:	**832019**
NSR y coord:	**822809**
NSR floor (/F)	**10**
NSR height (mPD)	**58.55**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	331	-30	-10	3	32	32	-
PMK02			Y	Y	69	10	337	-31	-10	3	31	31	-
PMK03			Y	Y	69	10	342	-31	-10	3	31	31	-
PMK04			Y	Y	68	10	352	-31	-10	3	30	30	-
PMK05			Y	Y	68	10	349	-31	-10	3	30	30	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	360	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	364	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	369	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	363	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	368	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	372	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	348	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	356	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	391	-32	-	3	35	35	-
PME02			Y	Y	64	10	396	-32	-	3	35	35	-
PME03			Y	Y	68	10	389	-32	-	3	39	39	-
PME04			Y	Y	68	10	394	-32	-	3	39	39	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	415	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	423	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	399	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	401	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	406	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	409	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	408	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	411	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	415	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	420	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	424	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	460	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	468	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	479	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	486	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	453	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	458	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	463	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	490	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	495	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	500	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	454	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	455	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	495	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	501	-	-	-	-	-	No line of sight.
										Total SPL	45	45	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R211a**
NSR x coord:	**832019**
NSR y coord:	**822809**
NSR floor (/F)	**20**
NSR height (mPD)	**90.05**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	326	-30	-10	3	32	32	-
PMK02			Y	Y	69	10	332	-30	-10	3	32	32	-
PMK03			Y	Y	69	10	338	-31	-10	3	31	31	-
PMK04			Y	Y	68	10	348	-31	-10	3	30	30	-
PMK05			Y	Y	68	10	345	-31	-10	3	30	30	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	353	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	358	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	363	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	357	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	361	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	366	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	344	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	353	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	390	-32	-	3	35	35	-
PME02			Y	Y	64	10	395	-32	-	3	35	35	-
PME03			Y	Y	68	10	388	-32	-	3	39	39	-
PME04			Y	Y	68	10	393	-32	-	3	39	39	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	414	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	422	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	395	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	397	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	402	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	405	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	404	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	410	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	414	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	419	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	423	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	461	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	468	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	480	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	487	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	452	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	457	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	462	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	489	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	495	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	500	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	453	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	455	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	494	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	500	-	-	-	-	-	No line of sight.
										Total SPL	45	45	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R211a**
NSR x coord:	**832019**
NSR y coord:	**822809**
NSR floor (/F)	**30**
NSR height (mPD)	**121.55**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	325	-30	-	3	42	42	-
PMK02			Y	Y	69	10	331	-30	-	3	42	42	-
PMK03			Y	Y	69	10	337	-31	-	3	41	41	-
PMK04			Y	Y	68	10	347	-31	-	3	40	40	-
PMK05			Y	Y	68	10	344	-31	-	3	40	40	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	350	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	354	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	359	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	353	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	358	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	362	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	344	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	352	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	391	-32	-	3	35	35	-
PME02			Y	Y	64	10	397	-32	-	3	35	35	-
PME03			Y	Y	68	10	390	-32	-	3	39	39	-
PME04			Y	Y	68	10	394	-32	-	3	39	39	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	415	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	423	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	394	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	396	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	401	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	404	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	403	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	411	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	415	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	420	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	424	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	464	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	471	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	483	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	490	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	453	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	458	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	463	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	491	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	496	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	501	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	455	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	456	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	496	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	502	-	-	-	-	-	No line of sight.
										Total SPL	49	49	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R211a**
NSR x coord:	**832019**
NSR y coord:	**822809**
NSR floor (/F)	**37**
NSR height (mPD)	**143.6**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	326	-30	-	3	42	42	-
PMK02			Y	Y	69	10	332	-30	-	3	42	42	-
PMK03			Y	Y	69	10	337	-31	-	3	41	41	-
PMK04			Y	Y	68	10	347	-31	-	3	40	40	-
PMK05			Y	Y	68	10	344	-31	-	3	40	40	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	349	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	353	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	358	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	352	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	357	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	361	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	345	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	354	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	394	-32	-	3	35	35	-
PME02			Y	Y	64	10	399	-32	-	3	35	35	-
PME03			Y	Y	68	10	392	-32	-	3	39	39	-
PME04			Y	Y	68	10	397	-32	-	3	39	39	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	417	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	426	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	395	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	396	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	401	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	404	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	403	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	413	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	417	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	422	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	426	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	468	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	475	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	486	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	493	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	455	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	460	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	466	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	493	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	498	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	503	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	457	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	458	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	498	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	504	-	-	-	-	-	No line of sight.
										Total SPL	49	49	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Appendix 5.7

Predicted Fixed Noise Levels - Scenario B

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R802b**
NSR x coord:	**832048**
NSR y coord:	**822738**
NSR floor (/F)	**1**
NSR height (mPD)	**25.2**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	291	-29	-10	3	33	33	-
PMK02			Y	Y	69	10	298	-29	-10	3	33	33	-
PMK03			Y	Y	69	10	304	-30	-10	3	32	32	-
PMK04			Y	Y	68	10	311	-30	-10	3	31	31	-
PMK05			Y	Y	68	10	307	-30	-10	3	31	31	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	311	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	316	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	321	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	314	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	318	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	323	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	316	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	325	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	329	-30	-	3	37	37	-
PME02			Y	Y	64	10	333	-30	-	3	37	37	-
PME03			Y	Y	68	10	327	-30	-	3	41	41	-
PME04			Y	Y	68	10	332	-30	-	3	41	41	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	355	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	363	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	353	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	356	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	360	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	362	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	360	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	368	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	371	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	376	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	380	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	408	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	418	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	426	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	436	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	396	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	401	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	406	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	430	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	436	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	441	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	396	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	398	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	437	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	443	-	-	-	-	-	No line of sight.
										Total SPL	46	46	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R802b**
NSR x coord:	**832048**
NSR y coord:	**822738**
NSR floor (/F)	**10**
NSR height (mPD)	**53.55**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	283	-29	-10	3	33	33	-
PMK02			Y	Y	69	10	290	-29	-10	3	33	33	-
PMK03			Y	Y	69	10	297	-29	-10	3	33	33	-
PMK04			Y	Y	68	10	303	-30	-10	3	31	31	-
PMK05			Y	Y	68	10	300	-30	-10	3	31	31	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	301	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	306	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	311	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	304	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	309	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	314	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	310	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	319	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	325	-30	-	3	37	37	-
PME02			Y	Y	64	10	329	-30	-	3	37	37	-
PME03			Y	Y	68	10	323	-30	-	3	41	41	-
PME04			Y	Y	68	10	328	-30	-	3	41	41	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	351	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	359	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	346	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	349	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	353	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	355	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	353	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	364	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	367	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	372	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	376	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	407	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	416	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	425	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	434	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	393	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	398	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	403	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	427	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	433	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	438	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	393	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	395	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	434	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	440	-	-	-	-	-	No line of sight.
										Total SPL	46	46	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R802b**
NSR x coord:	**832048**
NSR y coord:	**822738**
NSR floor (/F)	**20**
NSR height (mPD)	**85.05**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	278	-29	-10	3	33	33	-
PMK02			Y	Y	69	10	284	-29	-10	3	33	33	-
PMK03			Y	Y	69	10	291	-29	-10	3	33	33	-
PMK04			Y	Y	68	10	298	-29	-10	3	32	32	-
PMK05			Y	Y	68	10	294	-29	-10	3	32	32	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	293	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	298	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	303	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	296	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	301	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	306	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	306	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	315	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	323	-30	-	3	37	37	-
PME02			Y	Y	64	10	328	-30	-	3	37	37	-
PME03			Y	Y	68	10	321	-30	-	3	41	41	-
PME04			Y	Y	68	10	326	-30	-	3	41	41	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	349	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	358	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	341	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	344	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	348	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	350	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	348	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	362	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	365	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	370	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	374	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	407	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	417	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	425	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	435	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	392	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	397	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	402	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	426	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	432	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	436	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	392	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	394	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	433	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	439	-	-	-	-	-	No line of sight.
										Total SPL	46	46	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R802b**
NSR x coord:	**832048**
NSR y coord:	**822738**
NSR floor (/F)	**30**
NSR height (mPD)	**116.55**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	275	-29	-	3	43	43	-
PMK02			Y	Y	69	10	282	-29	-	3	43	43	-
PMK03			Y	Y	69	10	289	-29	-	3	43	43	-
PMK04			Y	Y	68	10	296	-29	-	3	42	42	-
PMK05			Y	Y	68	10	292	-29	-	3	42	42	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	288	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	293	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	298	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	291	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	296	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	301	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	305	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	314	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	324	-30	-	3	37	37	-
PME02			Y	Y	64	10	329	-30	-	3	37	37	-
PME03			Y	Y	68	10	323	-30	-	3	41	41	-
PME04			Y	Y	68	10	327	-30	-	3	41	41	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	351	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	359	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	339	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	342	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	346	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	348	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	346	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	362	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	366	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	371	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	374	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	411	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	420	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	428	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	438	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	393	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	398	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	403	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	427	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	433	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	438	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	393	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	395	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	434	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	440	-	-	-	-	-	No line of sight.
										Total SPL	51	51	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R802b**
NSR x coord:	**832048**
NSR y coord:	**822738**
NSR floor (/F)	**38**
NSR height (mPD)	**141.75**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	276	-29	-	3	43	43	-
PMK02			Y	Y	69	10	283	-29	-	3	43	43	-
PMK03			Y	Y	69	10	290	-29	-	3	43	43	-
PMK04			Y	Y	68	10	296	-29	-	3	42	42	-
PMK05			Y	Y	68	10	293	-29	-	3	42	42	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	286	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	291	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	297	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	289	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	294	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	300	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	307	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	316	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	328	-30	-	3	37	37	-
PME02			Y	Y	64	10	332	-30	-	3	37	37	-
PME03			Y	Y	68	10	326	-30	-	3	41	41	-
PME04			Y	Y	68	10	331	-30	-	3	41	41	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	354	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	362	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	340	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	342	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	347	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	348	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	346	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	365	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	368	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	373	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	377	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	415	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	424	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	432	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	441	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	396	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	401	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	406	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	430	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	435	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	440	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	395	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	398	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	437	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	442	-	-	-	-	-	No line of sight.
										Total SPL	51	51	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R913b**
NSR x coord:	**832002**
NSR y coord:	**822741**
NSR floor (/F)	**1**
NSR height (mPD)	**25.2**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	273	-29	-10	3	33	33	-
PMK02			Y	Y	69	10	279	-29	-10	3	33	33	-
PMK03			Y	Y	69	10	284	-29	-10	3	33	33	-
PMK04			Y	Y	68	10	293	-29	-10	3	32	32	-
PMK05			Y	Y	68	10	290	-29	-10	3	32	32	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	304	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	309	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	313	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	308	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	312	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	316	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	290	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	298	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	327	-30	-	3	37	37	-
PME02			Y	Y	64	10	333	-30	-	3	37	37	-
PME03			Y	Y	68	10	325	-30	-	3	41	41	-
PME04			Y	Y	68	10	329	-30	-	3	41	41	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	349	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	358	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	339	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	340	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	345	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	348	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	347	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	348	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	351	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	357	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	360	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	392	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	400	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	411	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	418	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	386	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	391	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	397	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	424	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	429	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	434	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	388	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	389	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	429	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	434	-	-	-	-	-	No line of sight.
										Total SPL	46	46	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R913b**
NSR x coord:	**832002**
NSR y coord:	**822741**
NSR floor (/F)	**10**
NSR height (mPD)	**53.55**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	264	-28	-10	3	34	34	-
PMK02			Y	Y	69	10	270	-29	-10	3	33	33	-
PMK03			Y	Y	69	10	276	-29	-10	3	33	33	-
PMK04			Y	Y	68	10	285	-29	-10	3	32	32	-
PMK05			Y	Y	68	10	282	-29	-10	3	32	32	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	294	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	299	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	303	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	298	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	302	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	306	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	283	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	292	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	323	-30	-	3	37	37	-
PME02			Y	Y	64	10	329	-30	-	3	37	37	-
PME03			Y	Y	68	10	321	-30	-	3	41	41	-
PME04			Y	Y	68	10	325	-30	-	3	41	41	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	346	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	354	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	332	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	333	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	338	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	341	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	340	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	343	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	347	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	352	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	356	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	391	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	398	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	409	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	417	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	383	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	388	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	393	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	421	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	426	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	431	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	385	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	386	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	426	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	431	-	-	-	-	-	No line of sight.
										Total SPL	46	46	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R913b**
NSR x coord:	**832002**
NSR y coord:	**822741**
NSR floor (/F)	**20**
NSR height (mPD)	**85.05**
ASR	**B**

Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	258	-28	-10	3	34	34	-
PMK02			Y	Y	69	10	264	-28	-10	3	34	34	-
PMK03			Y	Y	69	10	270	-29	-10	3	33	33	-
PMK04			Y	Y	68	10	279	-29	-10	3	32	32	-
PMK05			Y	Y	68	10	276	-29	-10	3	32	32	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	286	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	290	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	295	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	289	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	294	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	298	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	279	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	287	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	321	-30	-	3	37	37	-
PME02			Y	Y	64	10	327	-30	-	3	37	37	-
PME03			Y	Y	68	10	319	-30	-	3	41	41	-
PME04			Y	Y	68	10	324	-30	-	3	41	41	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	344	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	352	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	326	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	328	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	333	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	336	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	335	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	341	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	345	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	350	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	354	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	391	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	399	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	410	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	417	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	382	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	387	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	392	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	419	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	425	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	430	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	383	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	385	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	424	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	430	-	-	-	-	-	No line of sight.
										Total SPL	46	46	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R913b**
NSR x coord:	**832002**
NSR y coord:	**822741**
NSR floor (/F)	**30**
NSR height (mPD)	**116.55**
ASR	**B**

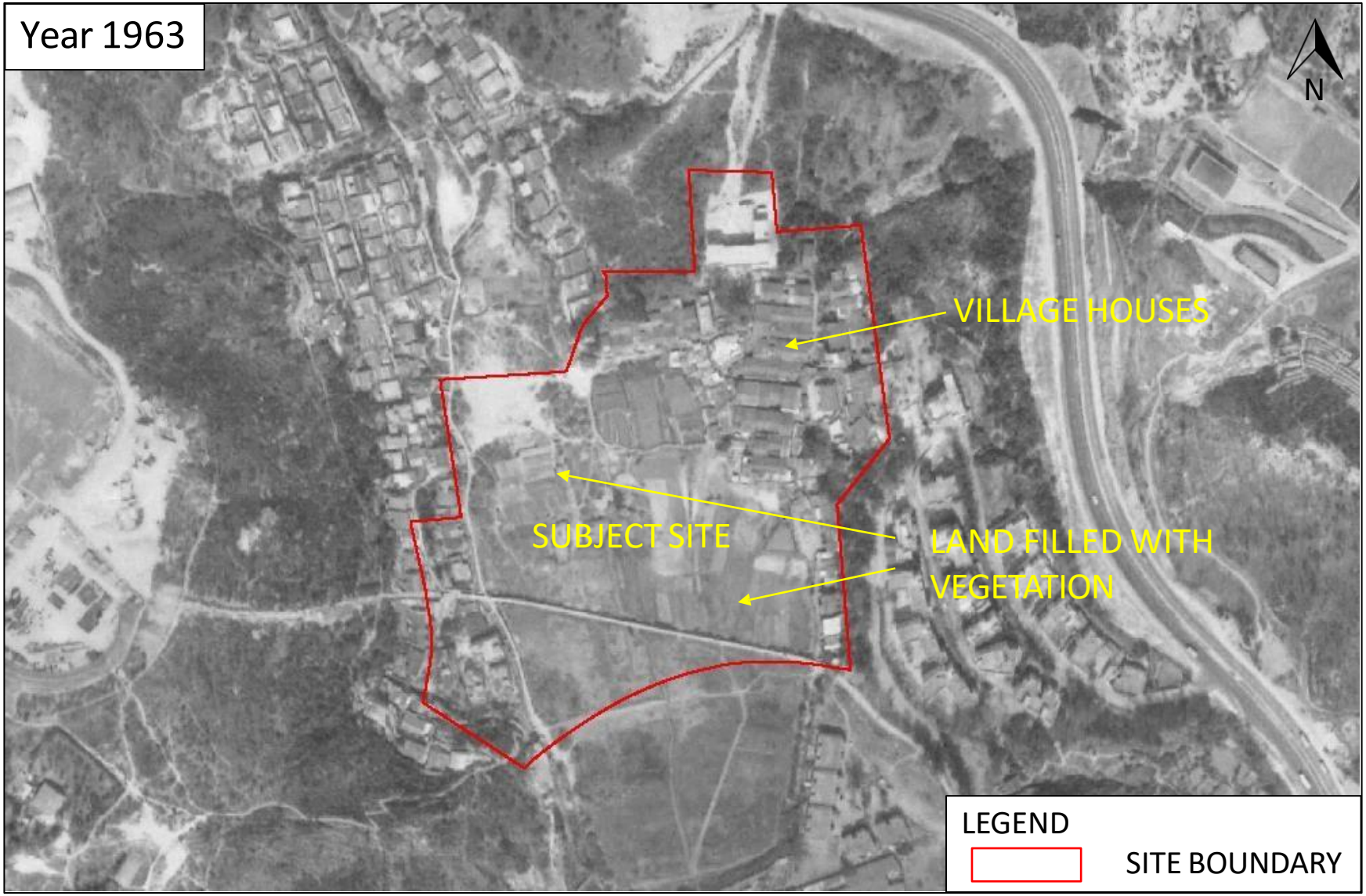
Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	256	-28	-	3	44	44	-
PMK02			Y	Y	69	10	262	-28	-	3	44	44	-
PMK03			Y	Y	69	10	268	-29	-	3	43	43	-
PMK04			Y	Y	68	10	277	-29	-	3	42	42	-
PMK05			Y	Y	68	10	274	-29	-	3	42	42	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	281	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	285	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	290	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	284	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	289	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	293	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	278	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	286	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	323	-30	-	3	37	37	-
PME02			Y	Y	64	10	328	-30	-	3	37	37	-
PME03			Y	Y	68	10	321	-30	-	3	41	41	-
PME04			Y	Y	68	10	325	-30	-	3	41	41	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	345	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	354	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	324	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	326	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	331	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	334	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	333	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	342	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	345	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	351	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	355	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	394	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	402	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	413	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	420	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	383	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	388	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	393	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	421	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	426	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	431	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	385	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	386	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	425	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	431	-	-	-	-	-	No line of sight.
										Total SPL	51	51	
										Cirteria ANL	65	55	
										Exceedance	-	-	

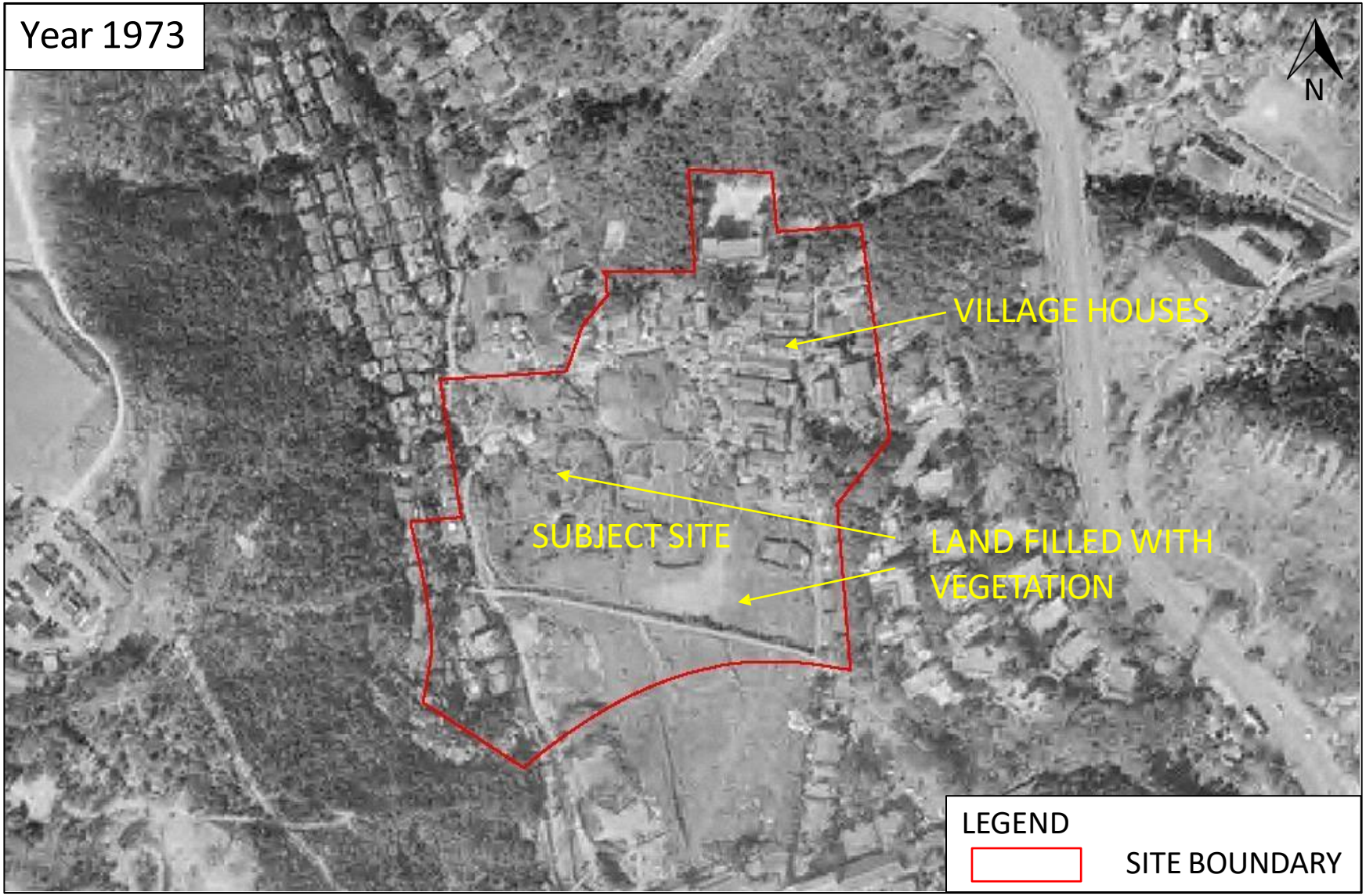
Project :	**Kau Wah Keng**
Project number:	**299277**
Title:	**Fixed Noise Assessment (Unmitigated Scenario)**
Subtitle:	**Calculation of Fixed Noise Levels at Receivers for Residential Blocks**
NSR ID:	**R913b**
NSR x coord:	**832002**
NSR y coord:	**822741**
NSR floor (/F)	**38**
NSR height (mPD)	**141.75**
ASR	**B**

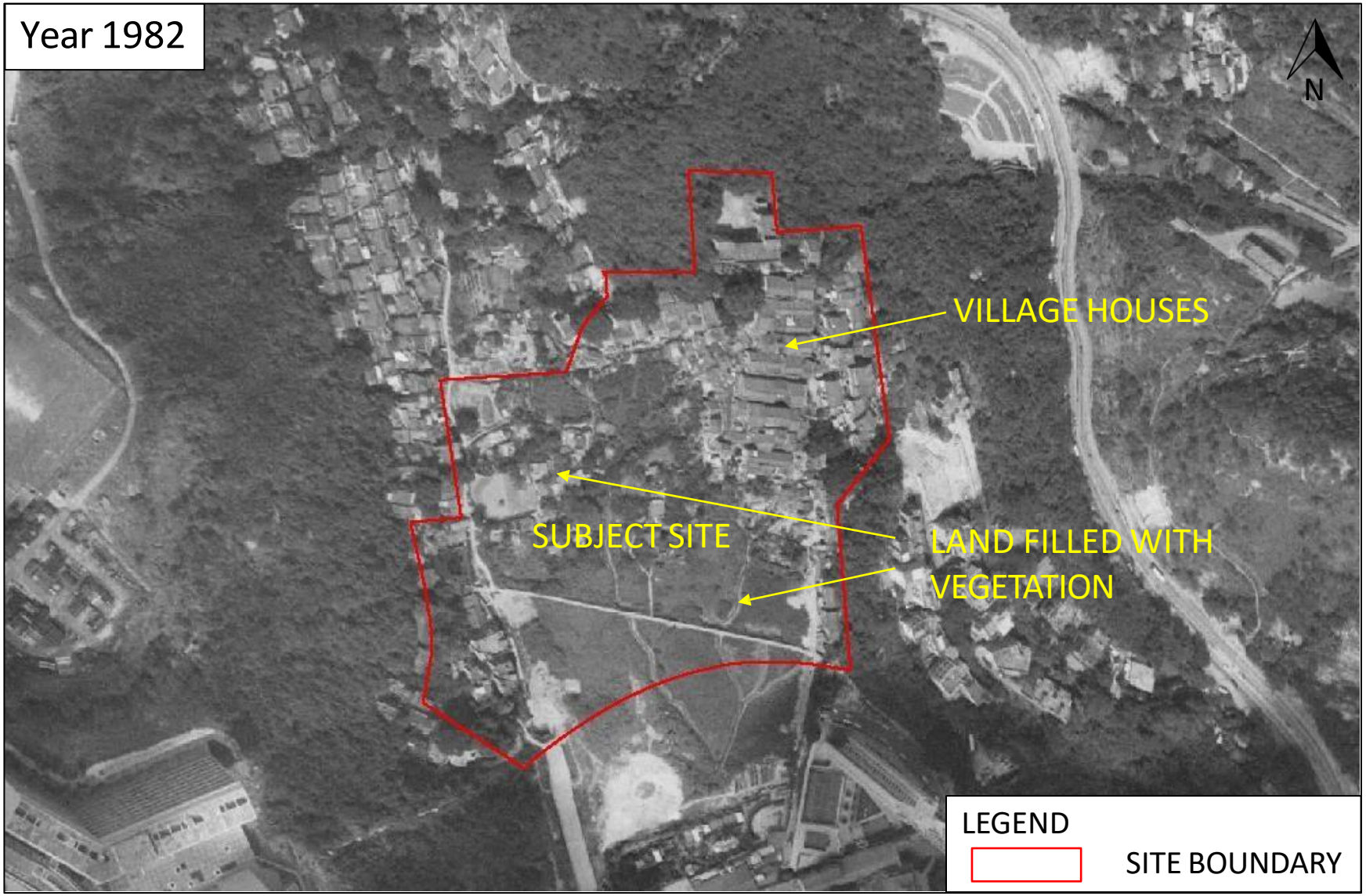
Noise source ID	Description	Activities/Equipment	Operation		Max measured SPL, dB(A)	Measurement distance from source, m	Shortest separation distance from centre of source, m	Correction, dB(A)			Predicted daytime SPL at NSR, dB(A)	Predicted nighttime SPL at NSR,	Remark
			Daytime	Nighttime				Distance	Screening effect	Facade			
PMK01	Block K	Chillers/condenser on rooftop	Y	Y	69	10	256	-28	-	3	44	44	-
PMK02			Y	Y	69	10	262	-28	-	3	44	44	-
PMK03			Y	Y	69	10	269	-29	-	3	43	43	-
PMK04			Y	Y	68	10	278	-29	-	3	42	42	-
PMK05			Y	Y	68	10	275	-29	-	3	42	42	-
PMS01	Block S	Chillers/condenser on rooftop	Y	Y	69	10	279	-	-	-	-	-	No line of sight.
PMS02			Y	Y	69	10	284	-	-	-	-	-	No line of sight.
PMS03			Y	Y	69	10	289	-	-	-	-	-	No line of sight.
PMS04			Y	Y	69	10	283	-	-	-	-	-	No line of sight.
PMS05			Y	Y	69	10	287	-	-	-	-	-	No line of sight.
PMS06			Y	Y	69	10	292	-	-	-	-	-	No line of sight.
PMM01	Block M	Chillers/condenser on rooftop	Y	Y	69	10	279	-	-	-	-	-	No line of sight.
PMM02			Y	Y	69	10	288	-	-	-	-	-	No line of sight.
PME01	Block E	Chillers/condenser on rooftop	Y	Y	64	10	326	-30	-	3	37	37	-
PME02			Y	Y	64	10	331	-30	-	3	37	37	-
PME03			Y	Y	68	10	324	-30	-	3	41	41	-
PME04			Y	Y	68	10	328	-30	-	3	41	41	-
PMF01	Block F	Chillers/condenser on rooftop	Y	Y	62	10	348	-	-	-	-	-	No line of sight.
PMF02			Y	Y	62	10	357	-	-	-	-	-	No line of sight.
PMG01	Block G	Chillers/condenser on rooftop	Y	Y	46	5	324	-	-	-	-	-	No line of sight.
PMG02			Y	Y	46	5	326	-	-	-	-	-	No line of sight.
PMG03			Y	Y	46	5	331	-	-	-	-	-	No line of sight.
PMG04			Y	Y	46	5	334	-	-	-	-	-	No line of sight.
PMG05			Y	Y	46	5	333	-	-	-	-	-	No line of sight.
PMP01	Block P	Chillers/condenser on rooftop	Y	Y	68	10	344	-	-	-	-	-	No line of sight.
PMP02			Y	Y	68	10	348	-	-	-	-	-	No line of sight.
PMP03			Y	Y	68	10	353	-	-	-	-	-	No line of sight.
PMP04			Y	Y	68	10	357	-	-	-	-	-	No line of sight.
PMH01	Block H	Chillers/condenser on rooftop	Y	Y	68	10	399	-	-	-	-	-	No line of sight.
PMH02			Y	Y	68	10	406	-	-	-	-	-	No line of sight.
PMH03			Y	Y	68	10	417	-	-	-	-	-	No line of sight.
PMH04			Y	Y	68	10	424	-	-	-	-	-	No line of sight.
PMMB01	Main Block	Chillers/condenser on rooftop	Y	Y	68	10	386	-	-	-	-	-	No line of sight.
PMMB02			Y	Y	68	10	391	-	-	-	-	-	No line of sight.
PMMB03			Y	Y	68	10	396	-	-	-	-	-	No line of sight.
PMMB04			Y	Y	68	10	423	-	-	-	-	-	No line of sight.
PMMB05			Y	Y	68	10	429	-	-	-	-	-	No line of sight.
PMMB06			Y	Y	68	10	434	-	-	-	-	-	No line of sight.
PMMB07			Y	Y	64	10	387	-	-	-	-	-	No line of sight.
PMMB08			Y	Y	64	10	389	-	-	-	-	-	No line of sight.
PMMB09			Y	Y	64	10	428	-	-	-	-	-	No line of sight.
PMMB10			Y	Y	64	10	434	-	-	-	-	-	No line of sight.
										Total SPL	51	51	
										Cirteria ANL	65	55	
										Exceedance	-	-	

Appendix 8.1

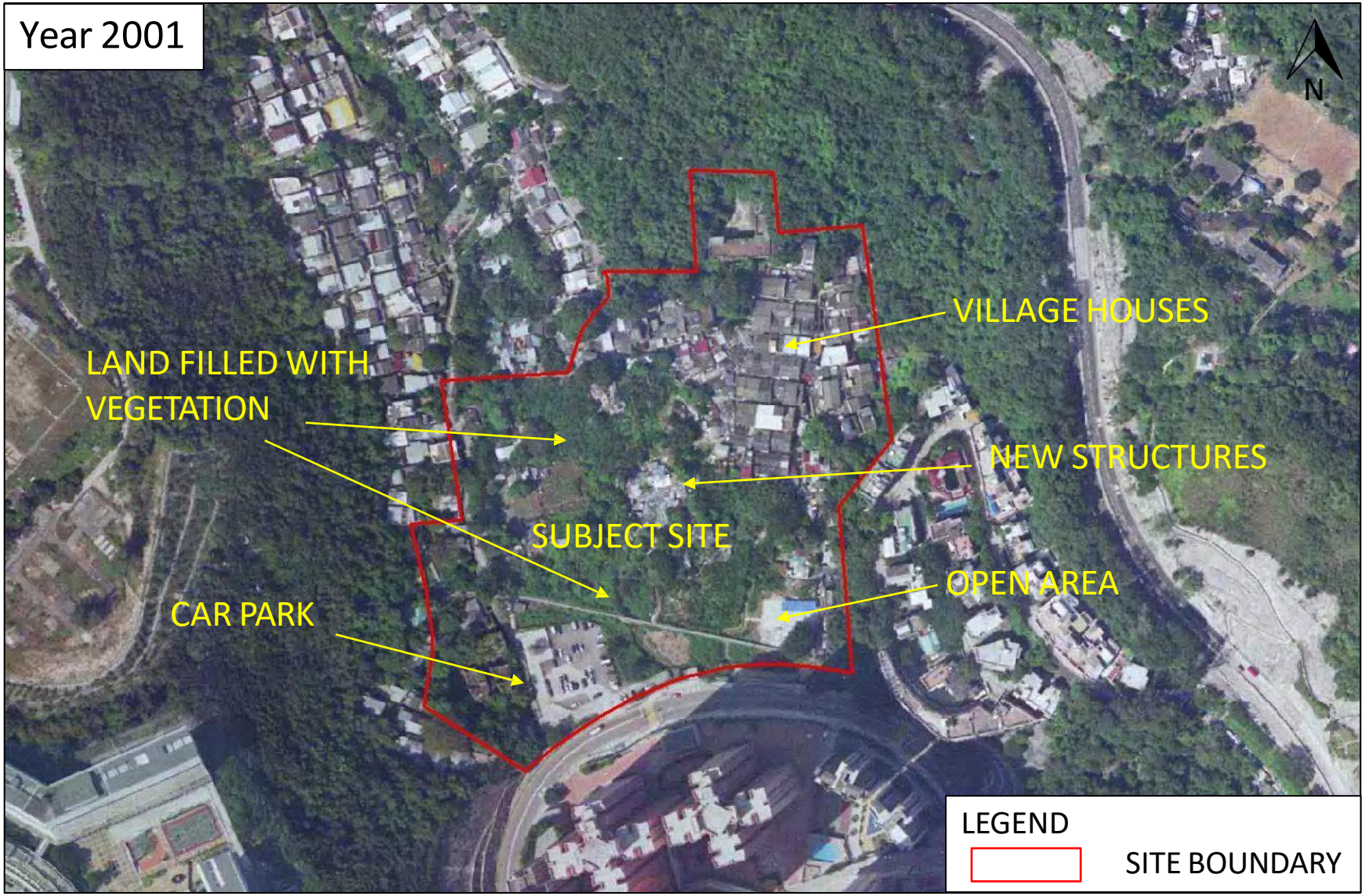
Historical Aerial Photos

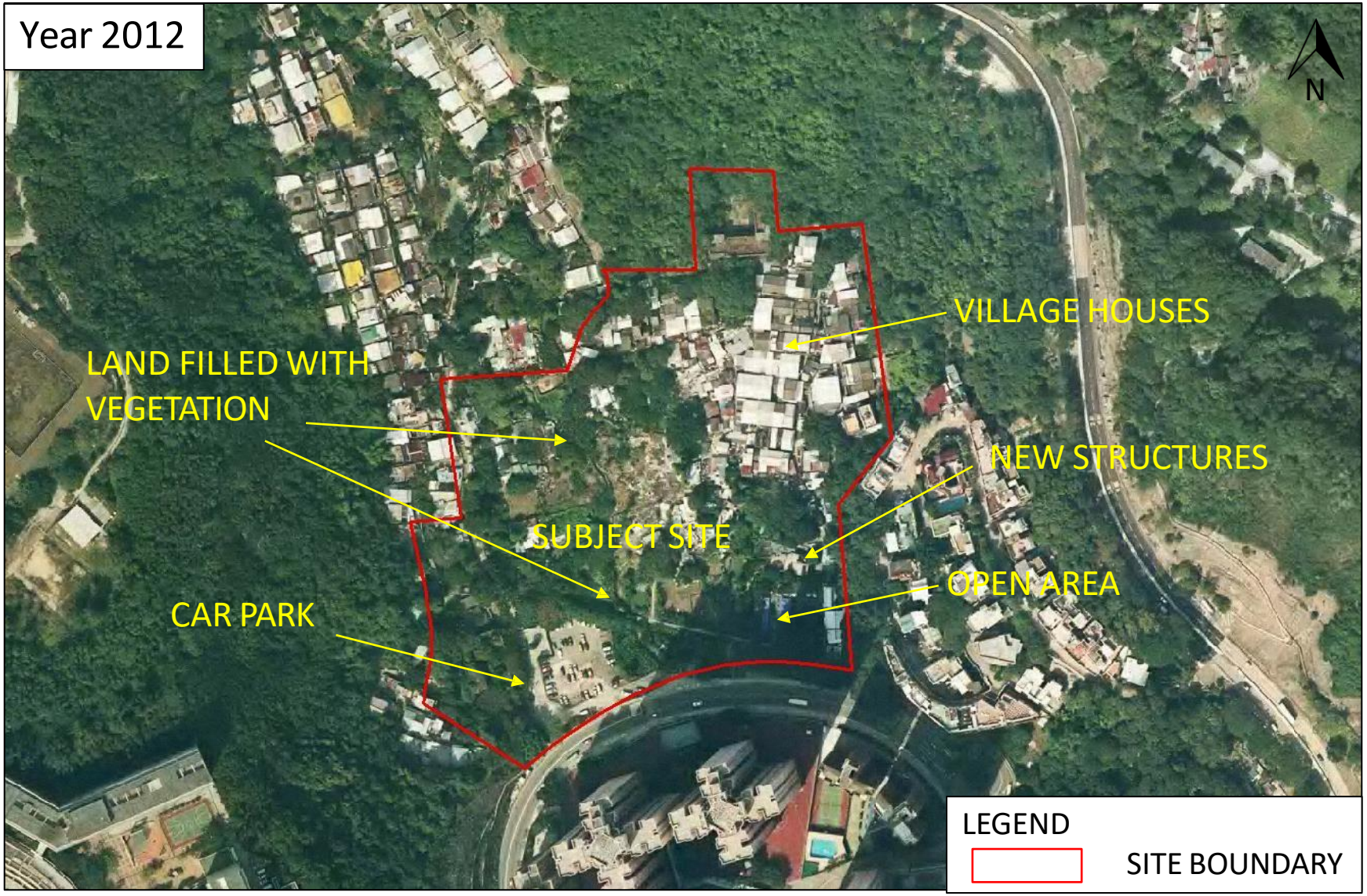

Year 1963
N
VILLAGE HOUSES
SUBJECT SITE
LAND FILLED WITH VEGETATION
LEGEND
SITE BOUNDARY

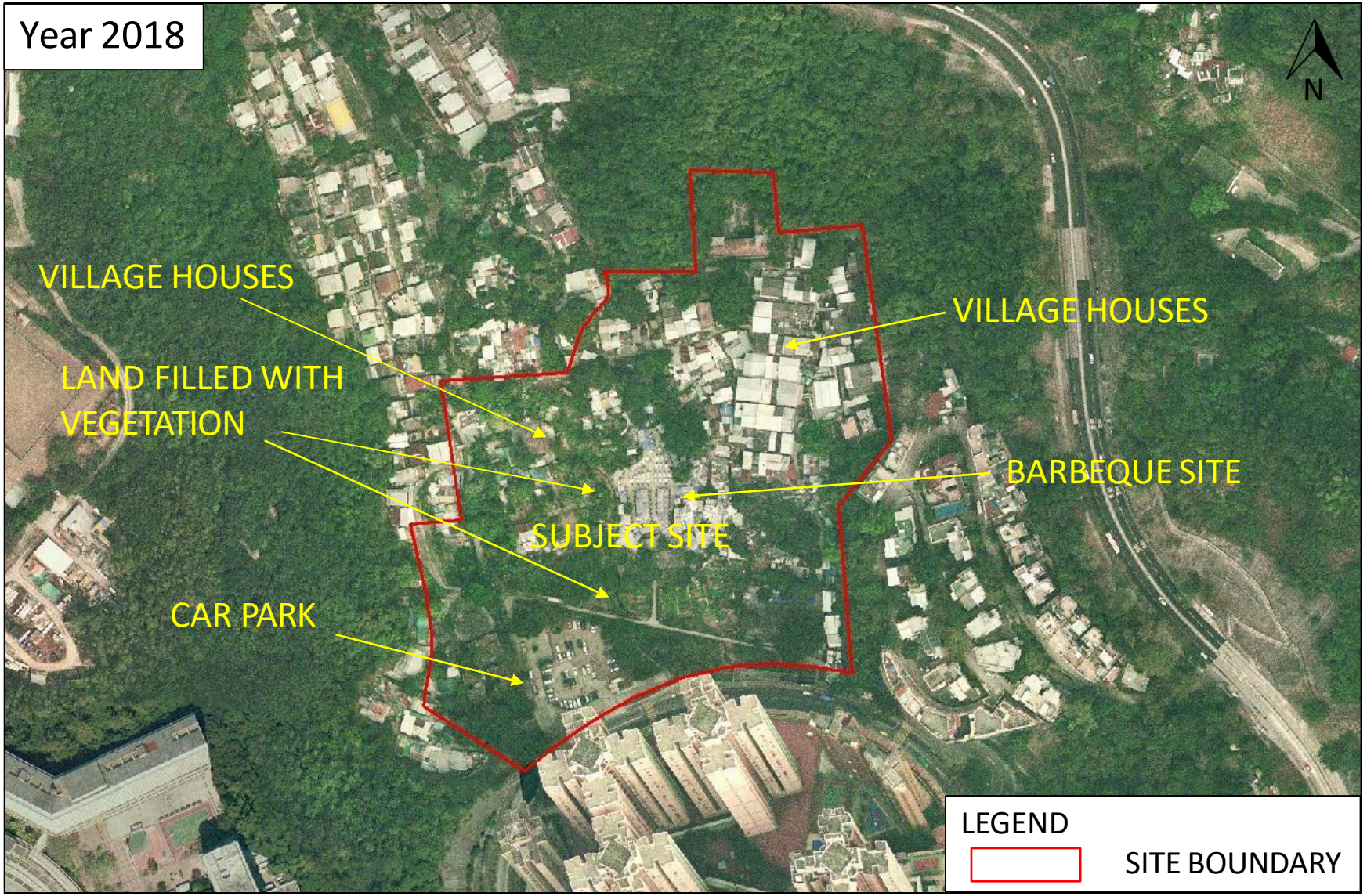

Year 1973
N
VILLAGE HOUSES
SUBJECT SITE
LAND FILLED WITH VEGETATION
LEGEND
SITE BOUNDARY

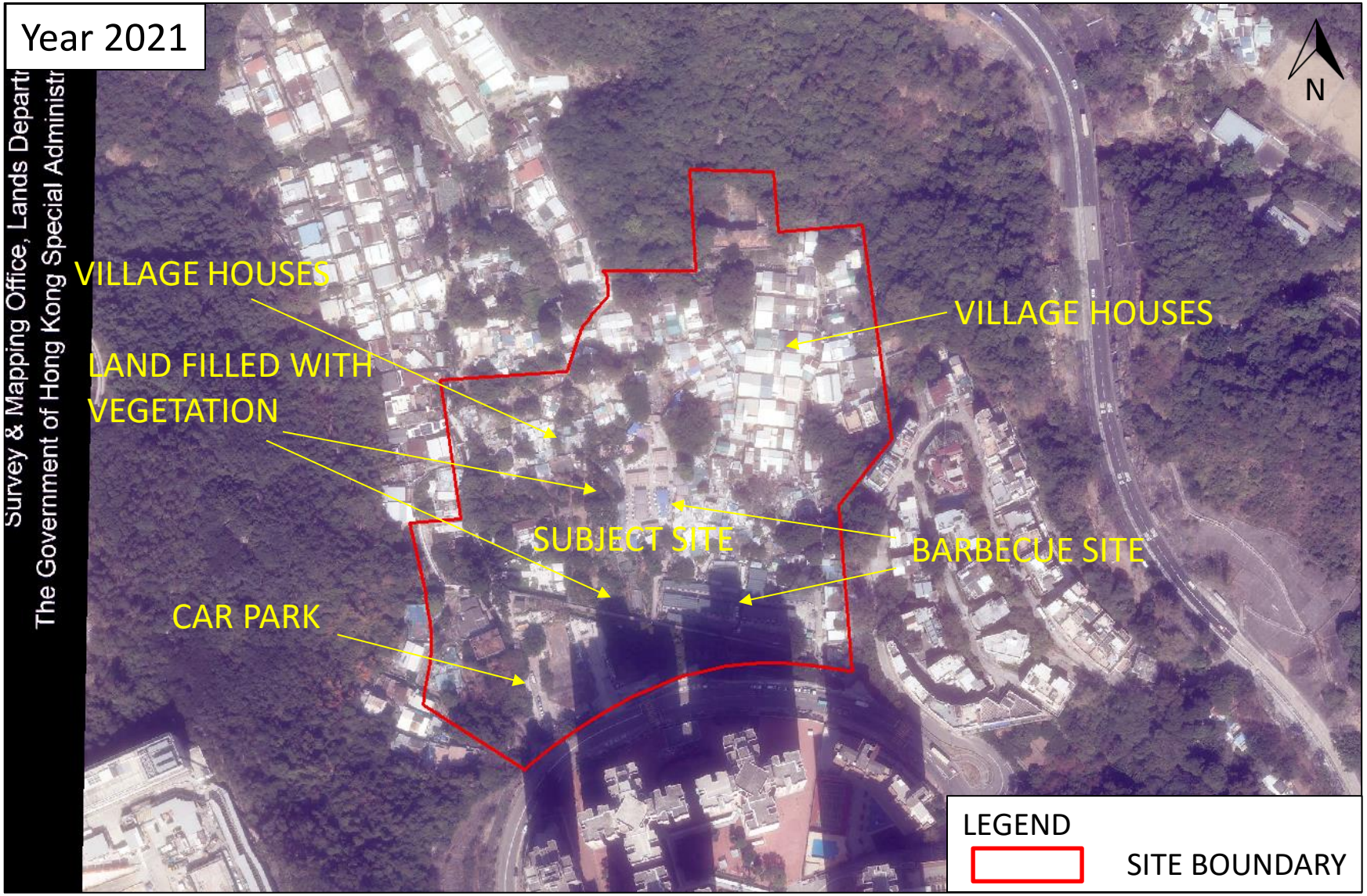

Year 1982
N
VILLAGE HOUSES
SUBJECT SITE
LAND FILLED WITH VEGETATION
LEGEND
SITE BOUNDARY

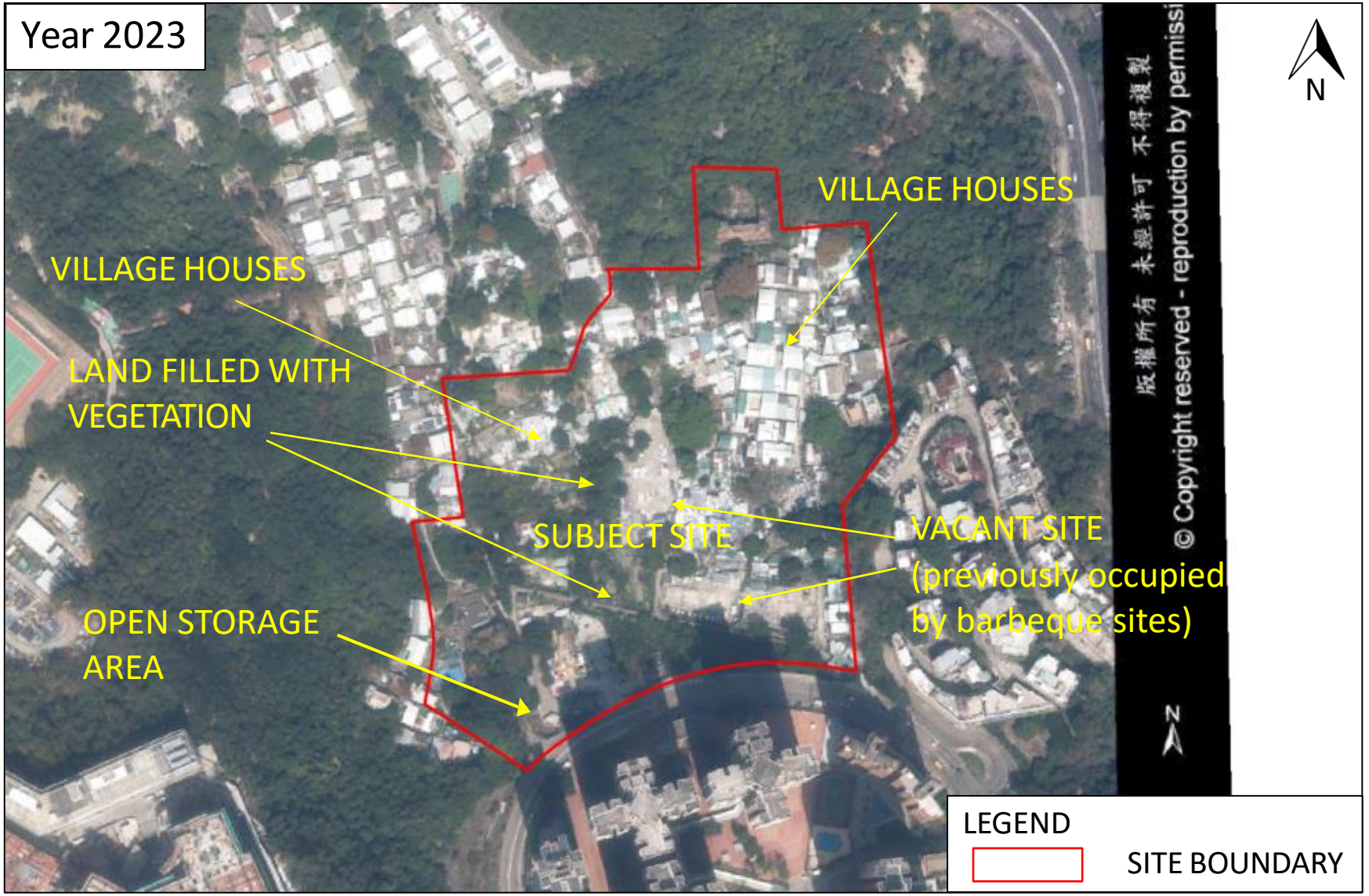

Year 1993
N
VILLAGE HOUSES
SUBJECT SITE
LAND FILLED WITH VEGETATION
CAR PARK
LEGEND
SITE BOUNDARY


Year 2001
N
VILLAGE HOUSES
LAND FILLED WITH VEGETATION
NEW STRUCTURES
SUBJECT SITE
OPEN AREA
CAR PARK
LEGEND
SITE BOUNDARY


Year 2012
N
VILLAGE HOUSES
LAND FILLED WITH VEGETATION
NEW STRUCTURES
SUBJECT SITE
OPEN AREA
CAR PARK
LEGEND
SITE BOUNDARY


Year 2018
N
VILLAGE HOUSES
VILLAGE HOUSES
LAND FILLED WITH VEGETATION
BARBEQUE SITE
SUBJECT SITE
CAR PARK
LEGEND
SITE BOUNDARY


Year 2021
Survey & Mapping Office, Lands Depart
The Government of Hong Kong Special Administr
N
VILLAGE HOUSES
LAND FILLED WITH VEGETATION
VILLAGE HOUSES
SUBJECT SITE
BARBECUE SITE
CAR PARK
LEGEND
SITE BOUNDARY


Year 2023
VILLAGE HOUSES
VILLAGE HOUSES
LAND FILLED WITH VEGETATION
SUBJECT SITE
VACANT SITE (previously occupied by barbeque sites)
OPEN STORAGE AREA
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N
N
LEGEND
SITE BOUNDARY

Appendix 8.2

Photo Record of Site Survey

APPENDIX 8.2 - PHOTO RECORD OF SITE SURVEY (SHEET 1 OF 2)

PHOTO 6

PHOTO 5
REMARK:
THE AREA WAS A PIECE OF LAND CONNECTED TO A VILLAGE HOUSE AND WAS USED FOR STORAGE OF HOUSEHOLD FURNITURE AND POTTED PLANTS. HENCE, IT WAS NOT DESCRIBED AS OPEN STORAGE AREA. LAND CONTAMINATION IS NOT ANTICIPATED IN THIS AREA.

PHOTO 4

PHOTO 4a

PHOTO 4b

PHOTO 3

PHOTO 8

PHOTO 7

PHOTO 1

PHOTO 2

PHOTO 8
PHOTO 7
PHOTO 6
PHOTO 5
PHOTO 4
PHOTO 3
PHOTO 2
PHOTO 1

Photo No.	Description	Contamination Potential
1	Waste Collection Point	Unlikely
2	Open Storage Area	Likely
3	Waste Collection Point	Unlikely
4	Rubbish Dumping Area	Likely
5	Storage Area	Unlikely
6	Vacant Land	Unlikely
7	Alley in Kau Wa Keng	Unlikely
8	Alley in Kau Wa Keng	Unlikely

LEGEND
SITE BOUNDARY
VIEW ANGLE

0 10 20 30 40 50
METRES

Printed by : 19/12/2024
Filename : \\global\EastAsia\HKG\Group\CIENV\env\project\299277\13 Drawing Deliverables\report\EAS\Draft 02\Appendix 8.2 - Photo Record of Site Survey (Sheet 1 of 2).dgn

APPENDIX 8.2 - PHOTO RECORD OF SITE SURVEY (SHEET 2 OF 2)

PHOTO 9

PHOTO 10

PHOTO 13

PHOTO 11

PHOTO 15

PHOTO 12

PHOTO 14

Photo No.	Description	Contamination Potential
9	Village house	Unlikely
10	Village house	Unlikely
11	Alley in Kau Wa Keng	Unlikely
12	Alley in Kau Wa Keng	Unlikely
13	Alley in Kau Wa Keng	Unlikely
14	Community Farm	Unlikely
15	Vacant Land (previously occupied by barbeque site)	Unlikely

LEGEND

SITE BOUNDARY

VIEW ANGLE

0 10 20 30 40 50
METRES

WIP Nov. 2020

Printed by : 19/12/2024
Filename : \\global\EastAsia\HKG\Group\CIENV\env\project\299277\13 Drawing Deliverables\report\EAS\Draft 02\Appendix 8.2 - Photo Record of Site Survey (Sheet 2 of 2).dgn

Appendix 8.3

Site Walkover Checklist

Site Walkover Checklist

ARUP

1) GENERAL SITE DETAILS	
Site Owner/Client	Far East Hotels and Entertainment Limited
Property Address	Comprehensive Development Area" Zone at Various Lots in S.D.4 and Adjoining Government Land, Kau Wa Keng, Kwai Chung
Person Conducting the Questionnaire (name & position)	Name: Mr. Angus Liu; Position: Environmental Consultant
Authorised Owner/ Client Representative (if applicable) (name, position & telephone)	N/A

2) ACTIVITIES	
Briefly describe activities carried out on site, including types of products/chemicals/materials handled. **Obtain a flow schematic if possible.**	
Number of employees:	N/A
- Full-time:	N/A
- Part-time:	N/A
- Temporary/Seasonal:	N/A
Maximum no. of people on site at any time:	N/A
Typical hours of operation:	N/A
Number of shifts:	N/A
Days per week:	N/A
Weeks per year:	N/A
Scheduled plant shut-down:	N/A
Detail the main sources of energy at the site:	
Gas (Yes/No)	No
Electricity (Yes/No)	Yes
Coal (Yes/No)	No
Oil (Yes/No)	No
Other (Yes/No)	No

Site Walkover Checklist

3) SITE DESCRIPTION	
This section is intended to gather information on site setting and environmental receptors on, adjacent or close to the site.	
What is the total site area:	About 48,310 m^2
What area of the site is covered by buildings (%):	>50%
Please list all current and previous owners/occupiers if possible.	Far East Hotels and Entertainment Limited
Is a site plan available? (Yes/No) If yes, please attach.	No
Are there any other parties on site as tenants or sub-tenants? (Yes/No) If yes, identify those parties.	No
Describe surrounding land use (residential, industrial, rural, etc.) and identify neighbouring facilities and types of industry.	
North:	Village houses, Buddhist Temple and Tin Toi Ching She
South:	Lai King Hil Road and high-rise residential blocks
East:	Greenwood Villas, Castle Peak Road and Kau Wa Keng Pumping Station
West:	Princess Margaret Hosptal and Kwai Chung Hospital
Describe the topography of the area (flat terrain, rolling hills, mountains, by a large body of water, vegetation, etc.).	Flat terrain
State the size and location of the nearest residential communities.	Village houses surrounding the site with the shortest distance of about 5m
Are there any sensitive habitats nearby, such as nature reserves, parks, wetlands, or sites of special scientific interest?	No

Site Walkover Checklist

4) QUESTIONNAIRE WITH EXISTING/ PREVIOUS SITE OWNER OR OCCUPIER		
	Yes/No	**Notes**
1. What are the main activities/operations at the above address?	-	Village houses for residential purpose
2. How long have you been occupying the site?	-	N/A
3. Were you the first occupant on site? (If yes, what was the usage of the site prior to occupancy.)	No	N/A
4. Prior to your occupancy, who occupied the site?	-	Village houses
5. What were the main activities/operations during their occupancy?	-	Village houses for residential purpose
6. Have there been any major changes in operations carried out at the site in the last 10 years?	No	N/A
7. Have any polluting activities been carried out in the vicinity of the site in the past?	No	N/A
8. To the best of your knowledge, has the site ever been used as a petrol filling station/car service garage?	No	N/A
9. Are there any boreholes/wells or natural springs either on the site or in the surrounding area?	No	N/A
10. Do you have any registered hazardous installations as defined under relevant ordinances? (If yes, please provide details.)	No	N/A
11. Are any chemicals used in your daily operations? (If yes, please provide details.)	No	N/A
- Where do you store these chemicals?	-	N/A
12. Material inventory lists, including quantities and locations available? (If yes, how often are these inventories updated?)	No	N/A
13. Has the facility produced a separate hazardous substance inventory?	No	N/A
14. Have there ever been any incidents or accidents (e.g. spills, fires, injuries, etc.) involving any of these materials? (If yes, please provide details.)	No	No
15. How are materials received (e.g. rail, truck, etc.) and stored on site (e.g. drums, tanks, carboys, bays, silos, cisterns, vaults and cylinders)?	-	N/A

4) QUESTIONNAIRE WITH EXISTING/ PREVIOUS SITE OWNER OR OCCUPIER (CONTINUED)		
	Yes/No	**Notes**
16. Do you have any underground storage tanks? (If yes, please provide details.)	No	N/A
- How many underground storage tanks do you have on site?	-	N/A
- What are the tanks constructed of?	-	N/A
- What are the contents of these tanks?	-	N/A
- Are the pipelines above or below ground?	-	N/A
- If the pipelines are below ground, has any leak and integrity testing been performed?	-	N/A
- Have there been any spills associated with these tanks?	-	N/A
17. Are there any disused underground storage tanks?	No	N/A
18. Do you have regular check for any spillage and monitoring of chemicals handled? (If yes, please provide details.)	No	No chemicals are stored within the site.
19. How are the wastes disposed of?	-	Waste collection points are availabe at the entrance of Kau Wa Keng
20. Have you ever received any notices of violation of environmental regulations or received public complains? (If yes, please provide details.)	No	N/A
21. Have any spills occurred on site? (If yes, please provide details)	No	N/A
- When did the spill occur?	-	N/A
- What were the substances spilled?	-	N/A
- What was the quantity of material spilled?	-	N/A
- Did you notify the relevant departments of the spill?	-	N/A
- What were the actions taken to clean up the spill?	-	N/A
- What were the areas affected?	-	N/A
22. Do you have any records of major renovation of your site or re-arrangement of underground utilities, pipe work/underground tanks? (If yes, please provide details.)	No	N/A
23. Have disused underground tanks been removed or otherwise secured (e.g. concrete, sand, etc.)?	No	N/A
24. Are there any known contaminations on site? (If yes, please provide details.)	No	N/A
25. Has the site ever been remediated? (If yes, please provide details.)	No	N/A

Site Walkover Checklist

5) OBSERVATIONS		
	Yes/No	**Notes**
1. Are chemical storage areas provided with secondary containment (i.e. bund walls and floors)?	No	Suspected oil drums seen at the open storage area at the southwest of the site
2. What are the conditions of the bund walls and floors?	-	N/A
3. Are any surface water drains located near to drum storage and unloading areas?	No	N/A
4. Are any solid or liquid waste (other than wastewater) generated at the site? (If yes, please provide details.)	No	N/A
5. Is there a storage site for the wastes?	Yes	Waste collection points are availabe at the entrance of Kau Wa Keng
6. Is there an on-site landfill?	No	N/A
7. Were any stressed vegetation noted on site during the site reconnaissance? (If yes, please indicate location and approximate size.)	No	N/A
8. Were any stained surfaces noted on-site during the site reconnaissance? (If yes, please provide details.)	No	N/A
9. Are there any potential off-site sources of contamination?	No	N/A
10. Does the site have any equipment which might contain polychlorinated biphenyls (PCBs)?	No	N/A
11. Are there any sumps, effluent pits, interceptors or lagoons on site?	No	N/A
12. Any noticeable odours during site walkover?	No	N/A
13. Are any of the following chemicals used on site: fuels, lubricating oils, hydraulic fluids, cleaning solvents, used chemical solutions, acids, anti-corrosive paints, thinners, coal, ash, oily tanks and bilge sludge, metal wastes, wood preservatives, and polyurethane foam?	No	N/A

Appendix 8.4

Relevant Correspondence with FSD

From:	[redacted] on behalf of [redacted]
To:	Theresa Yeung
Cc:	Angus Liu; Natalie Leung; Edmond Cheng (TY); Johnny So; OE8 CS/FSD
Subject:	Re: Request for Information of Dangerous Goods and Incident Records
Date:	Monday, April 14, 2025 10:53:32 AM
Attachments:	(17) Pt. 58_Incident_Appendix A.pdf

Our reference: (17) in FSD GR 6-5/4 R Pt. 58
Your reference: 299277/01/WSTY/TYEC/05282

Dear Ms. YEUNG,

Environmental Assessment Study
for Minor Relaxation of Plot Ratio Restriction
and Building Height Restriction of Proposed Comprehensive Development Including Flat And Community Facilities
In "Comprehensive Development Area" Zone At Various Lots In S.D.4
And Adjoining Government Land, Kau Wa Keng, Kwai Chung
Request for Information of Dangerous Goods & Incident Records

I refer to your letter of 16.4.2024 regarding the captioned request and reply below in response to your questions:-

1. No Dangerous Goods Licence was issued in respect of the captioned address.

2. A total of 6 incident records were found at the subject location. Please refer to Appendix A for details.

If you have further questions, please feel free to contact the undersigned.

Best regards,

CHOW Yin-hei
Assistant Divisional Officer (Legal Affairs)
Corporate Services Division
Fire Services Department

Tel.: [redacted]

Disclaimer:
**Fire Services Department uses its best endeavor to ensure the accuracy and reliability of the*

information provided, but cannot guarantee its accuracy and reliability and accepts no liability of any nature for any loss or damage arising from any inaccuracies or omissions that may from the information provided.

Appendix A

Environmental Assessment Study
for Minor Relaxation of Plot Ratio Restriction and Building Height Restriction of Proposed Comprehensive Development Including Flat And Community Facilities In "Comprehensive Development Area" Zone At Various Lots In S.D.4 And Adjoining Government Land, Kau Wa Keng, Kwai Chung
Request for Information of Dangerous Goods & Incident Records

No.	Date	Type of Incident	Address
1	17/4/2021	Rubbish Fire	Openground near Lamppost No. AC0585 of Kau Wa Keng San Tseun
2	29/7/2021	Drown case	Stream about 3M below, Kau Wa Keng San Tseun
3	4/9/2021	No. 2 Fire Alarm	Pumping Station upper village, Kau Wa Keng San Tseun
4	18/3/2022	Rubbish Fire	BBQ Site near Kau Wa Keng San Tseun
5	3/2/2024	Vegetation Fire	Hillside near Kau Wa Keng San Tseun
6	11/2/2024	Rubbish Fire	Openground near Kau Wa Keng San Tseun

Your ref
Our ref 299277/01/WSTY/TYEC/05282

ARUP

By Post, Fax [redacted] and Email
[redacted]

Access to Information Officer
Management Group
9/F, Fire Services Headquarters Building
1 Hong Chong Road
Tsim Sha Tsui East, Kowloon

Level 5 Festival Walk
80 Tat Chee Avenue
Kowloon Tong
Kowloon
Hong Kong
t +852 2528 3031
d [redacted]
f +852 2268 3956
[redacted]
www.arup.com

16 April 2024

Dear Sir/ Madam,

Environmental Assessment Study for Minor Relaxation of Plot Ratio Restriction and Building Height Restriction of Proposed Comprehensive Development Including Flat And Community Facilities In "Comprehensive Development Area" Zone At Various Lots In S.D.4 And Adjoining Government Land, Kau Wa Keng, Kwai Chung

Request for Information of Dangerous Goods and Incident Records

We have been appointed by our Client as the Consultant to prepare a s.16 planning application to the Town Planning Board for minor relaxation of plot ratio restriction and building height restriction of the proposed comprehensive residential development in "Comprehensive Development Area" Zone at Various Lots in S.D.4 and Adjoining Government Land, Kau Wa Keng, Kwai Chung.

As part of the Environmental Assessment Study, we are required to review the historical and present land use around the area, and evaluate any potential land contamination issues within the Site Boundary as shown in **Attachment A**. We would like to request the following information for our land contamination assessment:

- The records of Dangerous Goods License issued within the Site Boundary;
- Any past and present information related to the use and/or storage of dangerous goods within the Site Boundary; and
- Past and present incident records within the Site Boundary.

We would be grateful if you could provide the requested information at your earliest convenience and before **29 April 2024**. Should you require any further information, please do not hesitate to contact our Mr. Johnny So at [redacted]

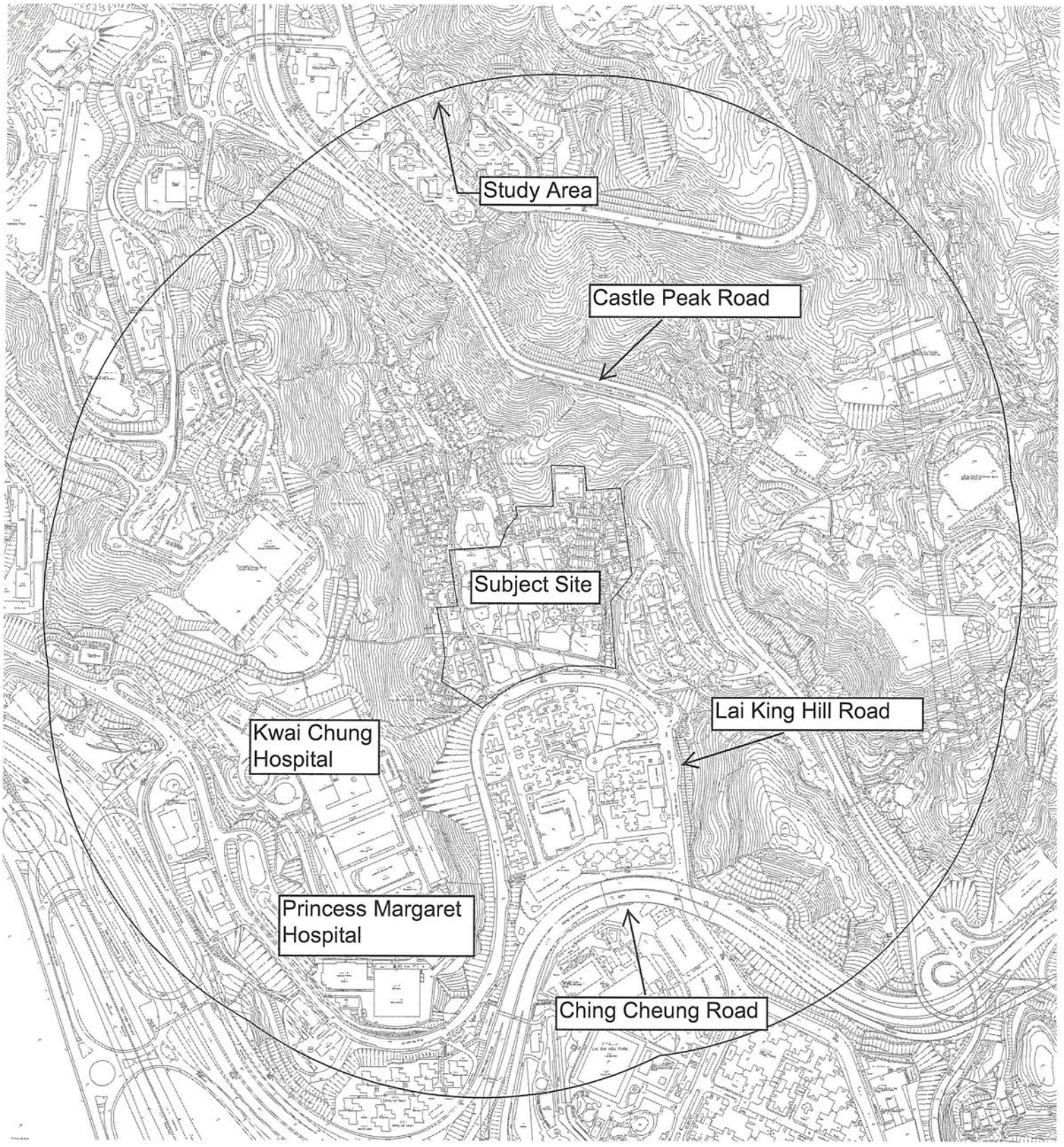
Thank you for your kind assistance.

Yours faithfully

Theresa YEUNG
Director

Encl. **Attachment A** - Site Location Plan

Attachment A - Site Location Plan



Appendix 8.5

Relevant Correspondence with EPD

Environmental Protection Department
環境保護署

Fax Transmission

From: PL FUNG	*To:* ARUP
Date Sent: 15.10.2024 13:48:58 *Pages:* 2	*FAX Number:* [redacted]

Subject: EP747/M1/01 Pt.5 fax

Best Regards,

Kayla Fung
ACO(TWG)3
Tel.: [redacted]

EP747M101 Pt.5.pdf

本署檔號
OUR REF: ( ) in EP747/M1/01 (Part 5)
來函檔號
YOUR REF: 299277/01/WSTY/TYEC/05421
電 話
TEL. NO.: [redacted]
圖文傳真
FAX NO.: [redacted]

網 址
HOMEPAGE: http://www.epd.gov.hk

Environmental Protection Department
Environmental Compliance Division
Regional Office (West)

8/F., Tsuen Wan Government Offices,
38 Sai Lau Kok Road,
Tsuen Wan, N.T.

環境保護署
環保法規管理科
區域辦事處(西)

荃灣西樓角路38號
荃灣政府合署八樓

15 October 2024

ARUP	087
Job No.	283274/01
Register No.	06180
Received	15 Oct 2024

Initial	WTL	WSTY	MYNL	TYEC		
Action						
Info						
Copy						

By Post and Fax [redacted]

ARUP
Level 5 Festival Walk,
80 Tat Chee Avenue,
Kowloon Tong,
Kowloon, Hong Kong
(Attn: Director – Ms. Theresa YEUNG)

Dear Ms. YEUNG,

Environmental Assessment Study for Application for Permission Under Section 16 of the Town Planning Ordinance (Cap. 131) for Proposed Comprehensive Development including Flats, Retail and Community Facilities and Minor Relaxation of Plot Ratio and Building Height Restriction in "Comprehensive Development Area" Zone at Various Lots in S.D.4 and Adjoining Government Land, Kau Wa Keng, Kwai Chung

Request for Information of Chemical Waste Producers Registration and Chemical Spillage Accident Records

I refer your above letter dated 17 September 2024 and the site location plan in attachment A. This Regional Office (West) has no record of reported cases of spillage/ leakage of chemicals at the subject site as indicated in the site location plan. You may need to check with other relevant parties/ government departments for such information as appropriate. As for the records of Chemical Waste Producers (CWPs), a registry of CWPs is available in the Territory Control Office. You may contact Mr. K.H. LO at [redacted] for making an appointment to view the records.

Should you have any queries, please contact the undersigned.

Yours faithfully,

(Tammy CHIN)
for Director of Environmental Protection

Your ref
Our ref 299277/01/WSTY/TYEC/05421

ARUP

By Post, Fax [redacted] and Email
[redacted]

Regional Office (West)
Environmental Compliance Division
Environmental Protection Department
7/F, Tsuen Wan Government Offices
38 Sai Lau Kok Road
Tsuen Wan, New Territories

(Attention: Miss CHIN Kit Wai, Tammy)

Level 5 Festival Walk
80 Tat Chee Avenue
Kowloon Tong
Kowloon
Hong Kong
t +852 2528 3031
d [redacted]
f +852 2268 3956
[redacted]
www.arup.com

17 September 2024

Dear Madam,

Environmental Assessment Study for Application for Permission Under Section 16 of the Town Planning Ordinance (Cap. 131) for Proposed Comprehensive Development including Flats, Retail and Community Facilities and Minor Relaxation of Plot Ratio and Building Height Restriction in "Comprehensive Development Area" Zone at Various Lots in S.D.4 and Adjoining Government Land, Kau Wa Keng, Kwai Chung

Request for Information of Chemical Waste Producers Registration and Chemical Spillage Accident Records

We have been appointed by our Client as the Consultant to prepare a s.16 planning application to the Town Planning Board for Proposed Comprehensive Development including Flats, Retail and Community Facilities and Minor Relaxation of Plot Ratio and Building Height Restriction in "Comprehensive Development Area" Zone at Various Lots in S.D.4 and Adjoining Government Land, Kau Wa Keng, Kwai Chung.

As part of the Environmental Assessment Study, we are required to review the historical and present land use around the area, and evaluate any potential land contamination issues within the Site Boundary as shown in **Attachment A**. We would like to request the following information for our land contamination assessment:

- The records of Chemical Waste Producers Registration of the area within the Site Boundary; and
- Past and present chemical spillage / leakage records of the area within the Site Boundary.

We would be grateful if you could provide the requested information at your earliest convenience and before **27 September 2024**. Should you require any further information, please do not hesitate to contact our Mr. Johnny So at [redacted]

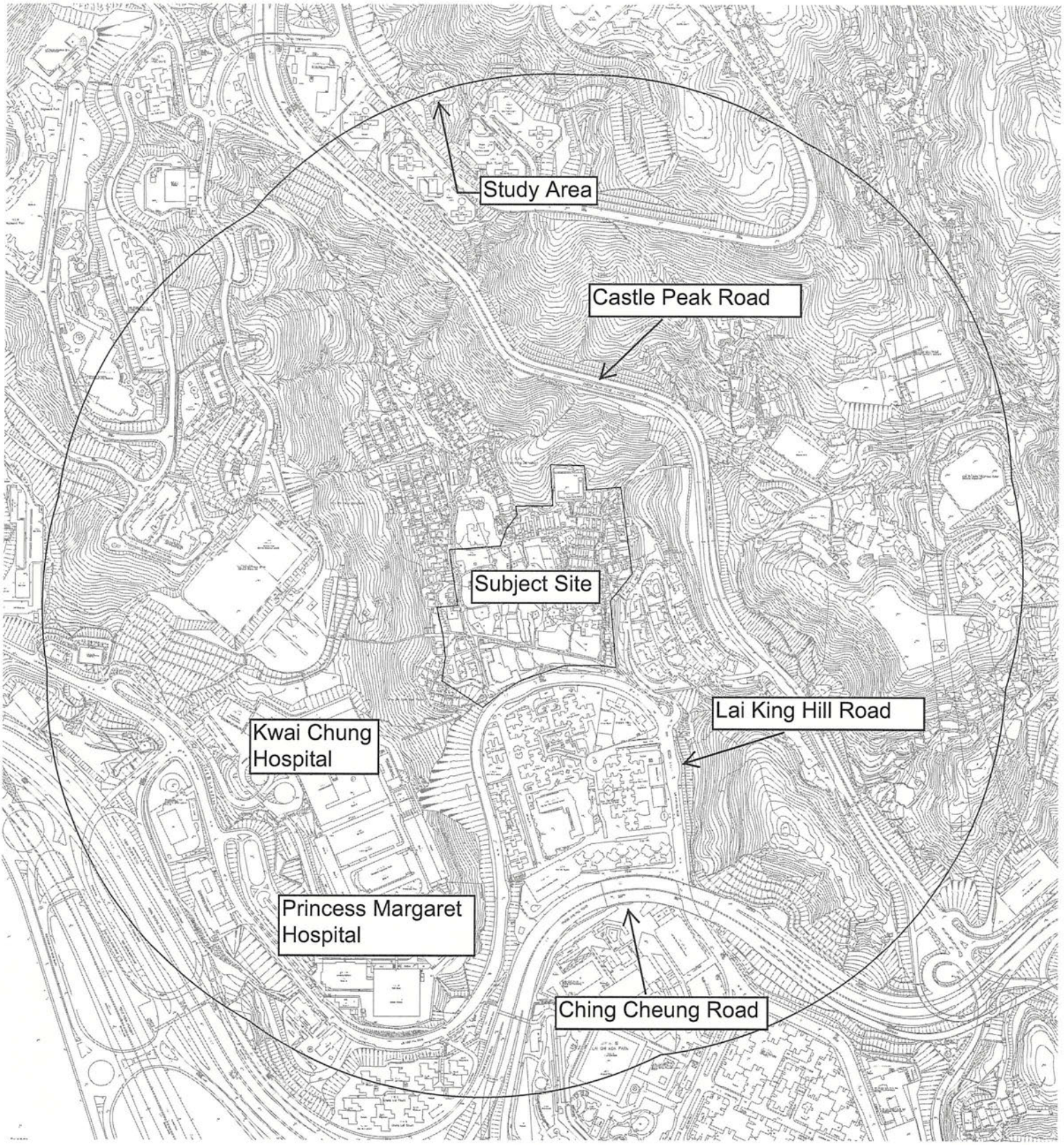
Thank you for your kind assistance.

Yours faithfully

Theresa YEUNG
Director

Encl. **Attachment A** - Site Location Plan

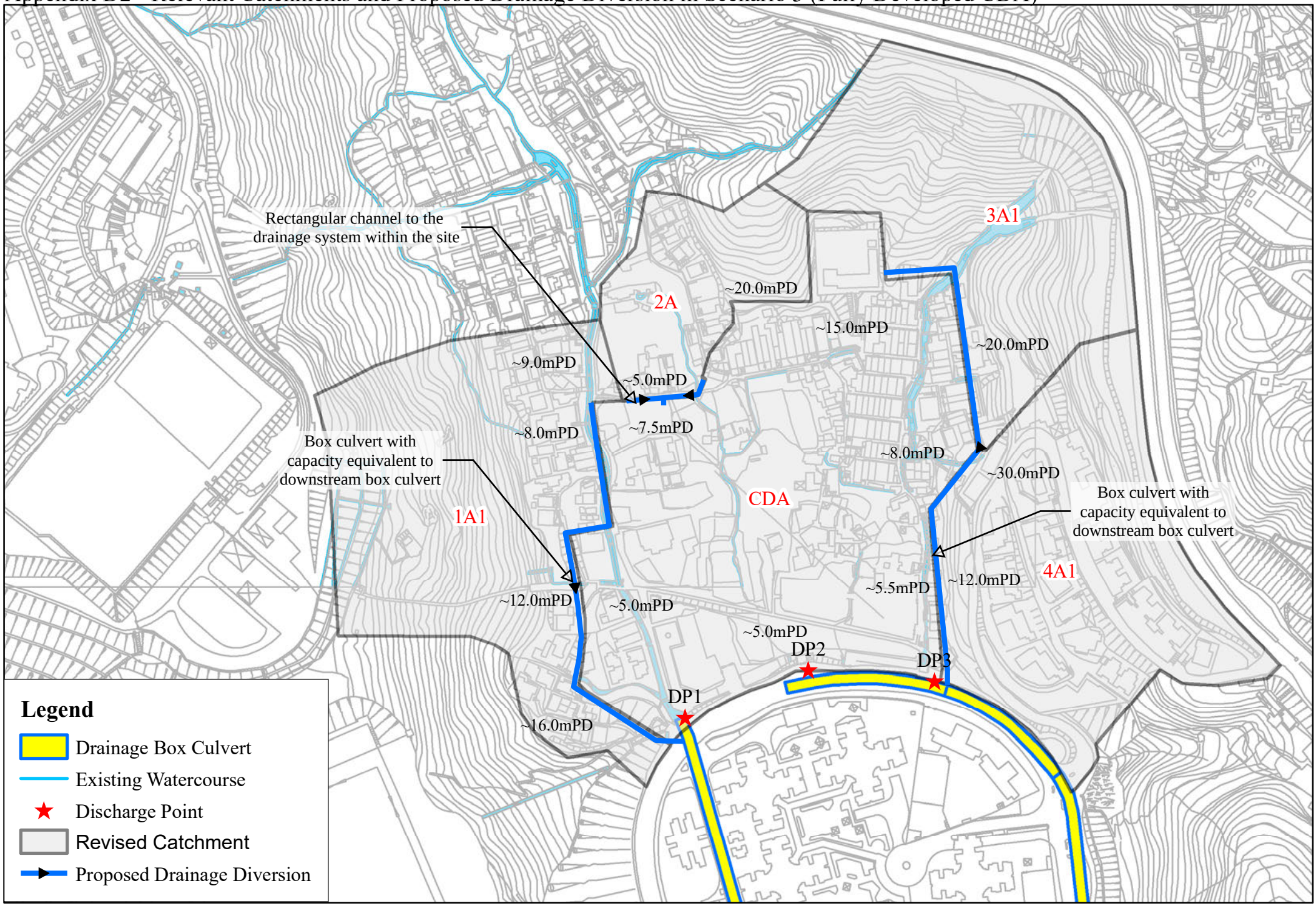
Attachment A - Site Location Plan



Appendix 10.1

Proposed Drainage Diversion

Appendix D2 - Relevant Catchments and Proposed Drainage Diversion in Scenario 3 (Fully Developed CDA)



Appendix 10.2

Proposed Sewer Network

Appendix E2 - Scenario 3 (Fully Developed CDA)