

Completamento della Tangenziale di Vicenza

1° Stralcio Completamento

PROGETTO DEFINITIVO

PROGETTAZIONE: ANAS DPRL

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VISTO: IL RESPONSABILE DEL PROCEDIMENTO:

ing. Anna Maria Nosari

ASSISTENZA AL GRUPPO DI PROGETTAZIONE ANAS



POLICREO
SOCIETÀ DI PROGETTAZIONE srl

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ing. PIER PAOLO CORCHIA – Strutture
Ordine Ing. di Parma n. 751A

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Ordine Arch. di Parma n. 377

PROTOCOLLO

DATA

STUDIO DI IMPATTO AMBIENTALE

RUMORE: TABULATI DI CALCOLO ANTE OPERAM, POST-OPERAM E POST-MITIGAZIONE

CODICE PROGETTO

PROGETTO LIV. PROG. N. PROG.

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NOME FILE

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REVISIONE

SCALA:

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EMISSIONE

Ottobre 2019

REV.

DESCRIZIONE

DATA

REDATTO

VERIFICATO

APPROVATO

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1. CONSIDERAZIONI PRELIMINARI

Il presente elaborato riporta i valori puntuali calcolati in facciata ad ogni ricettore censito tramite il software di simulazione della propagazione del rumore SoundPLAN 8.1 nello scenario stato attuale, nello scenario post-operam, nello scenario post-operam con mitigazioni e nello scenario post-operam con mitigazioni – analisi di sensitività, mettendo in evidenza gli esuberi rispetto ai limiti concessi dalla normativa a seconda della tipologia del ricettore e della distanza dall'infrastruttura. Per ogni ricettore sono stati inseriti più ricevitori orientati secondo direzioni differenti rispetto alla sorgente stradale. I valori sono espressi in dB(A).

2. TABULATI DI CALCOLO

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO non mitig				PO mitig				PO mitig Sensitività			
									L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]	
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
R02	NE	PT	65	55	70	60	65	55	42.5	32.7	-	-	55.7	46	-	-	55.6	45.9	-	-	55.6	46	-	-
R02	NE	1	65	55	70	60	65	55	43.6	33.8	-	-	59	49.4	-	-	58.8	49.2	-	-	58.9	49.2	-	-
R02	NW	PT	65	55	70	60	65	55	62.8	52.9	-	-	56.1	47.2	-	-	56.1	47.2	-	-	56.1	47.3	-	-
R02	NW	1	65	55	70	60	65	55	66	56.1	-	-	59.2	50.4	-	-	59.2	50.4	-	-	59.3	50.4	-	-
R03	E	PT	65	55	70	60	65	55	75.8	66.1	5.8	6.1	52.8	43.8	-	-	52.6	43.5	-	-	52.6	43.6	-	-
R03	E	1	65	55	70	60	65	55	76.5	66.9	6.5	6.9	57.8	48.8	-	-	57.6	48.5	-	-	57.6	48.5	-	-
R04	NE	PT	65	55	70	60	65	55	67.8	57.9	-	-	55.1	46.2	-	-	55	46.1	-	-	55.1	46.1	-	-
R05	W	PT	65	55	70	60	65	55	65.5	55.6	-	-	59.8	51	-	-	59.8	51	-	-	59.8	51	-	-
R05	W	1	65	55	70	60	65	55	68.5	58.7	-	-	63.7	54.8	-	-	63.7	54.8	-	-	63.7	54.8	-	-
R05	E	PT	65	55	70	60	65	55	44.4	34.6	-	-	54.2	45.3	-	-	53.8	44.8	-	-	53.8	44.8	-	-
R05	E	1	65	55	70	60	65	55	47.2	37.4	-	-	57.9	48.9	-	-	57.6	48.6	-	-	57.6	48.6	-	-
R05	N	PT	65	55	70	60	65	55	61.7	51.9	-	-	57.9	48.9	-	-	57.8	48.7	-	-	57.8	48.8	-	-
R05	N	1	65	55	70	60	65	55	64.8	55	-	-	62.9	53.8	-	-	62.8	53.7	-	-	62.8	53.7	-	-
R06	W	PT	65	55	70	60	65	55	67.8	57.9	-	-	63.4	54.7	-	-	63.4	54.7	-	-	63.4	54.7	-	-
R06	W	1	65	55	70	60	65	55	70.5	60.7	0.5	0.7	66.2	57.4	-	-	66.2	57.4	-	-	66.2	57.4	-	-
R06	N	PT	65	55	70	60	65	55	62.4	52.6	-	-	57.9	49.1	-	-	57.7	49	-	-	57.7	49	-	-
R06	N	1	65	55	70	60	65	55	66	56.2	-	-	61.6	52.9	-	-	61.5	52.7	-	-	61.6	52.8	-	-
R07	NW	PT	60	50	-	-	-	-	41.7	31.9	-	-	49.7	41.5	-	-	47.9	39.4	-	-	47.9	39.4	-	-
R07	NW	1	60	50	-	-	-	-	45.5	35.7	-	-	51.1	42.8	-	-	49.3	40.8	-	-	49.3	40.8	-	-

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO non mitig				PO mitig				PO mitig Sensitività			
									L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]	
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
R07	NE	PT	60	50	-	-	-	-	34.8	25.9	-	-	43.8	35.8	-	-	41.3	33.2	-	-	41.3	33.2	-	-
R07	NE	1	60	50	-	-	-	-	35.5	26.5	-	-	50.3	42.3	-	-	47.7	39.6	-	-	47.7	39.6	-	-
R08	E	PT	60	50	-	-	65	55	52.7	44.1	-	-	56.5	48	-	-	56.3	47.8	-	-	56.3	47.8	-	-
R08	E	1	60	50	-	-	65	55	54.6	46	-	-	58.6	50.1	-	-	58.3	49.8	-	-	58.3	49.8	-	-
R08	W	PT	60	50	-	-	65	55	39	29.5	-	-	50.2	42.3	-	-	47.8	39.8	-	-	47.8	39.8	-	-
R08	W	1	60	50	-	-	65	55	41.6	32.1	-	-	52.2	44.2	-	-	49.9	41.8	-	-	49.9	41.8	-	-
R08	S	PT	60	50	-	-	65	55	47.7	39	-	-	53.7	45.5	-	-	52.5	44.2	-	-	52.5	44.1	-	-
R08	S	1	60	50	-	-	65	55	48	39.2	-	-	55.2	47	-	-	53.5	45.2	-	-	53.4	45.2	-	-
R09	NE	PT	60	50	-	-	65	55	36.7	28	-	-	45.4	37.5	-	-	42.8	34.8	-	-	42.8	34.8	-	-
R09	NE	1	60	50	-	-	65	55	41.1	32.1	-	-	47	38.9	-	-	45	36.7	-	-	45	36.7	-	-
R09	NW	PT	60	50	-	-	65	55	39.1	29.3	-	-	47.8	39.8	-	-	45.5	37.4	-	-	45.5	37.4	-	-
R09	NW	1	60	50	-	-	65	55	42.2	32.6	-	-	47.5	39.5	-	-	45.5	37.2	-	-	45.5	37.2	-	-
R10	NE	PT	60	50	-	-	65	55	37.6	29.1	-	-	46.7	38.6	-	-	44	35.9	-	-	44	35.9	-	-
R10	NE	1	60	50	-	-	65	55	40.6	32.1	-	-	50.3	42.3	-	-	47.6	39.6	-	-	47.6	39.5	-	-
R10	NW	1	60	50	-	-	65	55	40.1	30.8	-	-	50.1	42.2	-	-	47.5	39.4	-	-	47.5	39.4	-	-
R11	NE	PT	60	50	-	-	65	55	41.7	33.2	-	-	47.6	39.4	-	-	45.4	37.1	-	-	45.4	37.1	-	-
R11	NW	PT	60	50	-	-	65	55	37.8	28.8	-	-	48.1	40.1	-	-	45.3	37.3	-	-	45.3	37.3	-	-
R12	S	PT	60	50	-	-	65	55	47.5	38.8	-	-	56.4	48.3	-	-	54.1	45.9	-	-	54.1	45.9	-	-
R12	W	PT	60	50	-	-	65	55	40.6	31	-	-	53.9	46.1	-	-	51.2	43.4	-	-	51.2	43.4	-	-
R12	E	PT	60	50	-	-	65	55	53.1	44.5	-	-	57.5	49	-	-	56.9	48.4	-	-	56.9	48.4	-	-
R13	E	PT	60	50	-	-	65	55	59.5	50.8	-	0.8	63	54.5	-	-	63	54.5	-	-	63	54.5	-	-
R13	E	1	60	50	-	-	65	55	60.4	51.7	0.4	1.7	64	55.5	-	0.5	63.9	55.4	-	0.4	63.9	55.4	-	0.4
R13	S	PT	60	50	-	-	65	55	55.2	46.6	-	-	59.1	50.6	-	-	58.8	50.3	-	-	58.8	50.3	-	-

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO non mitig				PO mitig				PO mitig Sensitività			
									L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]	
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
R13	S	1	60	50	-	-	65	55	56.8	48.2	-	-	60.8	52.3	-	-	60.5	52	-	-	60.4	52	-	-
R14	NW	PT	60	50	-	-	65	55	45.8	37.3	-	-	51.1	42.9	-	-	48.6	40.3	-	-	48.5	40.3	-	-
R14	NE	PT	60	50	-	-	65	55	55.9	47.5	-	-	56.6	48.1	-	-	55.7	47.2	-	-	55.7	47.2	-	-
R14	SE	PT	60	50	-	-	65	55	56.3	48	-	-	56.3	47.7	-	-	56.1	47.5	-	-	56.1	47.5	-	-
R15	E	PT	60	50	-	-	65	55	62.2	53.8	2.2	3.8	61.9	53.3	-	-	61.9	53.3	-	-	61.9	53.3	-	-
R15	E	1	60	50	-	-	65	55	63.4	55	3.4	5	63.2	54.6	-	-	63.1	54.5	-	-	63.1	54.5	-	-
R15	N	PT	60	50	-	-	65	55	57.1	48.7	-	-	57.1	48.6	-	-	56.9	48.3	-	-	56.9	48.3	-	-
R15	N	1	60	50	-	-	65	55	59.1	50.7	-	0.7	59.4	50.8	-	-	59	50.4	-	-	59	50.4	-	-
R16	E	PT	60	50	-	-	65	55	64.5	56.2	4.5	6.2	64.2	55.6	-	0.6	64.2	55.6	-	0.6	64.2	55.6	-	0.6
R16	N	PT	60	50	-	-	65	55	57.9	49.6	-	-	57.7	49.1	-	-	57.6	49.1	-	-	57.6	49	-	-
R17	N	PT	60	50	-	-	65	55	60.9	52.6	0.9	2.6	60.8	52.3	-	-	60.7	52.1	-	-	60.7	52.1	-	-
R17	N	1	60	50	-	-	65	55	61.5	53.2	1.5	3.2	61.5	53	-	-	61.3	52.7	-	-	61.3	52.7	-	-
R17	E	PT	60	50	-	-	65	55	43.9	35.5	-	-	47.2	38.5	-	-	45.4	36.7	-	-	45.3	36.6	-	-
R17	E	1	60	50	-	-	65	55	48.1	39.7	-	-	50.8	42	-	-	48.9	40.2	-	-	48.9	40.2	-	-
R17	W	PT	60	50	-	-	65	55	64.2	55.8	4.2	5.8	63.9	55.3	-	0.3	63.8	55.3	-	0.3	63.8	55.3	-	0.3
R18	NE	PT	60	50	-	-	65	55	66.9	58.6	6.9	8.6	66.6	58	1.6	3	66.6	58	1.6	3	66.6	58	1.6	3
R18	NE	1	60	50	-	-	65	55	66.5	58.2	6.5	8.2	66.2	57.7	1.2	2.7	66.2	57.6	1.2	2.6	66.2	57.6	1.2	2.6
R18	NW	1	60	50	-	-	65	55	59.4	51.1	-	1.1	59.3	50.8	-	-	59.2	50.6	-	-	59.2	50.6	-	-
R19	NE	PT	60	50	-	-	-	-	40	31.6	-	-	43.8	35	-	-	42.1	33.4	-	-	42.1	33.3	-	-
R19	SW	PT	60	50	-	-	-	-	58.6	50.3	-	0.3	58.3	49.8	-	-	58.3	49.8	-	-	58.3	49.8	-	-
R19	NW	PT	60	50	-	-	-	-	54.8	46.5	-	-	54.8	46.2	-	-	54.7	46.1	-	-	54.7	46.1	-	-
R20	SW	PT	60	50	-	-	65	55	47.7	39.5	-	-	53.7	45.1	-	-	52.1	43.7	-	-	50.8	42.2	-	-
R20	SW	1	60	50	-	-	65	55	51.8	43.6	-	-	56.5	48.1	-	-	55.4	47	-	-	53.6	45.1	-	-

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO non mitig				PO mitig				PO mitig Sensitività			
									L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]	
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
R20	SE	PT	60	50	-	-	65	55	51.5	43.4	-	-	56.3	47.8	-	-	55.2	46.8	-	-	53.3	44.8	-	-
R20	SE	1	60	50	-	-	65	55	55.2	47	-	-	59	50.6	-	-	58.2	49.9	-	-	56	47.6	-	-
R21	S	PT	60	50	-	-	65	55	37.8	29.5	-	-	44.1	35.4	-	-	42.4	33.8	-	-	41.4	32.6	-	-
R21	S	1	60	50	-	-	65	55	44.3	36	-	-	50.2	41.5	-	-	48.7	40.1	-	-	47.3	38.7	-	-
R22	S	PT	60	50	-	-	65	55	55.4	47.3	-	-	58.7	50.4	-	-	58.2	49.9	-	-	55.7	47.4	-	-
R22	S	1	60	50	-	-	65	55	57.5	49.3	-	-	60.6	52.3	-	-	60.2	51.9	-	-	57.7	49.3	-	-
R23	S	PT	60	50	-	-	65	55	56.3	48.1	-	-	59.6	51.2	-	-	59	50.8	-	-	56.6	48.2	-	-
R23	S	1	60	50	-	-	65	55	57.9	49.8	-	-	61.1	52.8	-	-	60.6	52.4	-	-	58.1	49.8	-	-
R24	SE	1	60	50	-	-	65	55	46.2	37.9	-	-	57.5	48.5	-	-	54.8	45.9	-	-	54.5	45.5	-	-
R24	SE	2	60	50	-	-	65	55	46.2	37.8	-	-	59.2	50.2	-	-	56.5	47.5	-	-	56.2	47.2	-	-
R24	NE	PT	60	50	-	-	65	55	58.6	50.4	-	0.4	61.2	53	-	-	61	52.8	-	-	58.2	50	-	-
R24	NE	1	60	50	-	-	65	55	59.2	51	-	1	62.1	53.8	-	-	61.7	53.5	-	-	59.1	50.8	-	-
R24	NE	2	60	50	-	-	65	55	58.9	50.7	-	0.7	62.2	53.8	-	-	61.6	53.4	-	-	59.2	50.8	-	-
R24	SW	PT	60	50	-	-	65	55	59.7	51.6	-	1.6	62.3	54.1	-	-	62.1	53.9	-	-	59.3	51.1	-	-
R24	SW	1	60	50	-	-	65	55	59.7	51.5	-	1.5	62.6	54.4	-	-	62.3	54	-	-	59.6	51.4	-	-
R24	SW	2	60	50	-	-	65	55	59.2	51.1	-	1.1	62.5	54.2	-	-	62	53.7	-	-	59.5	51.2	-	-
R24	NW	PT	60	50	-	-	65	55	67.3	59.2	7.3	9.2	69.5	61.4	4.5	6.4	69.5	61.3	4.5	6.3	66.5	58.4	1.5	3.4
R24	NW	1	60	50	-	-	65	55	65.7	57.6	5.7	7.6	68	59.8	3	4.8	67.9	59.8	2.9	4.8	65	56.8	0	1.8
R24	NW	2	60	50	-	-	65	55	64.1	56	4.1	6	66.4	58.2	1.4	3.2	66.4	58.2	1.4	3.2	63.4	55.2	-	0.2
R25	W	PT	60	50	-	-	65	55	35.1	26.6	-	-	45.4	36.5	-	-	42.7	33.9	-	-	42.6	33.8	-	-
R25	W	1	60	50	-	-	65	55	36.3	27.8	-	-	46.4	37.6	-	-	43.8	35	-	-	43.7	34.8	-	-
R25	E	PT	60	50	-	-	65	55	32.1	23.2	-	-	44.5	35.3	-	-	41.8	32.7	-	-	41.7	32.5	-	-
R25	E	1	60	50	-	-	65	55	38	28.8	-	-	46.5	37.1	-	-	44.1	34.7	-	-	43.9	34.5	-	-

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO non mitig				PO mitig				PO mitig Sensitività			
									L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]	
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
R25	N	PT	60	50	-	-	65	55	36.5	27.9	-	-	48.4	39.4	-	-	45.8	36.7	-	-	45.6	36.6	-	-
R25	N	1	60	50	-	-	65	55	38.8	30.3	-	-	50	40.8	-	-	47.4	38.2	-	-	47.2	38	-	-
R26	S	PT	60	50	-	-	65	55	35.5	26.9	-	-	39	30.4	-	-	38.1	29.6	-	-	36.6	27.8	-	-
R26	S	1	60	50	-	-	65	55	40.5	32.1	-	-	44.2	35.8	-	-	43.4	35	-	-	41.6	33	-	-
R26	S	2	60	50	-	-	65	55	42.9	34.5	-	-	46.4	38	-	-	45.7	37.3	-	-	43.8	35.3	-	-
R27	S	PT	60	50	-	-	65	55	36.4	27.9	-	-	41.3	32.6	-	-	40	31.4	-	-	38.7	29.9	-	-
R27	S	1	60	50	-	-	65	55	40.8	32.4	-	-	45.5	37	-	-	44.3	35.9	-	-	42.7	34.2	-	-
R27	S	2	60	50	-	-	65	55	43.4	35	-	-	47.7	39.2	-	-	46.7	38.3	-	-	45	36.4	-	-
R28	S	PT	60	50	-	-	65	55	41.5	33.3	-	-	44.6	36.3	-	-	44.1	35.8	-	-	41.8	33.4	-	-
R28	S	1	60	50	-	-	65	55	45.5	37.3	-	-	48.5	40.2	-	-	48.1	39.8	-	-	45.6	37.3	-	-
R28	S	2	60	50	-	-	65	55	48	39.8	-	-	50.9	42.6	-	-	50.5	42.3	-	-	48	39.7	-	-
R29	S	PT	60	50	-	-	65	55	46.7	38.6	-	-	50.3	41.8	-	-	49.6	41.3	-	-	47.3	38.9	-	-
R29	S	1	60	50	-	-	65	55	52.7	44.5	-	-	55.5	47.2	-	-	55.2	47	-	-	52.5	44.2	-	-
R29	S	2	60	50	-	-	65	55	53.8	45.6	-	-	56.6	48.3	-	-	56.3	48	-	-	53.6	45.3	-	-
R30	W	PT	60	50	-	-	65	55	60.9	52.8	0.9	2.8	63.2	55	-	0	63.2	55	-	0	60.2	52	-	-
R30	W	1	60	50	-	-	65	55	62.7	54.5	2.7	4.5	65	56.8	0	1.8	65	56.8	0	1.8	62.1	53.9	-	-
R30	W	2	60	50	-	-	65	55	62.3	54.2	2.3	4.2	64.8	56.6	-	1.6	64.6	56.5	-	1.5	61.8	53.6	-	-
R30	SE	PT	60	50	-	-	65	55	43.5	35	-	-	51.3	41.7	-	-	49.2	39.9	-	-	48.4	38.7	-	-
R30	SE	1	60	50	-	-	65	55	49.9	41.7	-	-	55.9	46.6	-	-	54.4	45.4	-	-	52.9	43.7	-	-
R30	SE	2	60	50	-	-	65	55	50.4	42.2	-	-	57.7	48.1	-	-	55.8	46.6	-	-	54.7	45.1	-	-
R30	NW	PT	60	50	-	-	65	55	59	50.9	-	0.9	61.2	53.1	-	-	61.2	53.1	-	-	58.2	50.1	-	-
R30	NW	1	60	50	-	-	65	55	63.5	55.4	3.5	5.4	65.7	57.6	0.7	2.6	65.7	57.6	0.7	2.6	62.8	54.6	-	-
R30	NW	2	60	50	-	-	65	55	62.9	54.8	2.9	4.8	65.2	57	0.2	2	65.2	57	0.2	2	62.2	54	-	-

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO non mitig				PO mitig				PO mitig Sensitività			
									L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]	
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
R31	SE	PT	60	50	-	-	65	55	39.2	29.7	-	-	51.8	41.7	-	-	49.1	39	-	-	48.9	38.8	-	-
R31	SE	1	60	50	-	-	65	55	40.8	31.1	-	-	53.9	43.6	-	-	51.1	40.9	-	-	51	40.7	-	-
R31	SE	2	60	50	-	-	65	55	42.1	32.3	-	-	54.9	44.6	-	-	52	41.8	-	-	52	41.7	-	-
R31	NW	PT	60	50	-	-	65	55	61.3	53.2	1.3	3.2	63.5	55.4	-	0.4	63.5	55.3	-	0.3	60.5	52.4	-	-
R31	NW	1	60	50	-	-	65	55	61.6	53.4	1.6	3.4	63.8	55.6	-	0.6	63.8	55.6	-	0.6	60.8	52.7	-	-
R31	NW	2	60	50	-	-	65	55	61.2	53	1.2	3	63.4	55.2	-	0.2	63.4	55.2	-	0.2	60.4	52.2	-	-
R32	NW	PT	60	50	-	-	65	55	63	54.8	3	4.8	65.2	57	0.2	2	65.2	57	0.2	2	62.2	54	-	-
R32	NW	1	60	50	-	-	65	55	62.5	54.3	2.5	4.3	64.7	56.5	-	1.5	64.7	56.5	-	1.5	61.7	53.5	-	-
R32	NW	2	60	50	-	-	65	55	61.7	53.6	1.7	3.6	63.9	55.8	-	0.8	63.9	55.8	-	0.8	60.9	52.8	-	-
R33	S	PT	60	50	-	-	-	-	42	33.7	-	-	45.2	36.6	-	-	44.7	36.3	-	-	42.4	33.8	-	-
R33	S	1	60	50	-	-	-	-	45.5	37.2	-	-	48.3	39.8	-	-	47.9	39.6	-	-	45.5	37	-	-
R33	S	2	60	50	-	-	-	-	47.8	39.6	-	-	50.5	42.1	-	-	50.2	41.9	-	-	47.7	39.3	-	-
R34	S	PT	60	50	-	-	-	-	40.9	32.6	-	-	44.5	35.9	-	-	43.8	35.4	-	-	41.7	33	-	-
R34	S	1	60	50	-	-	-	-	44.7	36.5	-	-	47.9	39.4	-	-	47.4	39	-	-	45.1	36.5	-	-
R34	S	2	60	50	-	-	-	-	47.1	38.9	-	-	50	41.6	-	-	49.6	41.3	-	-	47.2	38.7	-	-
R35	SE	PT	60	50	-	-	65	55	52.5	44.3	-	-	54.9	46.6	-	-	54.8	46.6	-	-	51.9	43.7	-	-
R36	NW	PT	60	50	-	-	65	55	63.3	55.1	3.3	5.1	65.5	57.3	0.5	2.3	65.5	57.3	0.5	2.3	62.5	54.3	-	-
R36	NW	1	60	50	-	-	65	55	63.2	55.1	3.2	5.1	65.5	57.3	0.5	2.3	65.5	57.3	0.5	2.3	62.5	54.3	-	-
R36	NW	2	60	50	-	-	65	55	62.5	54.4	2.5	4.4	64.7	56.6	-	1.6	64.7	56.6	-	1.6	61.7	53.6	-	-
R37	NW	PT	60	50	-	-	65	55	46.2	38	-	-	49.1	40.7	-	-	48.8	40.4	-	-	46.2	37.7	-	-
R37	NW	1	60	50	-	-	65	55	51.4	43.3	-	-	53.9	45.7	-	-	53.8	45.6	-	-	51	42.7	-	-
R37	NW	2	60	50	-	-	65	55	51.9	43.7	-	-	54.4	46.2	-	-	54.3	46	-	-	51.5	43.2	-	-
R37	SW	PT	60	50	-	-	65	55	43.9	35.7	-	-	50.9	41.5	-	-	49.1	40	-	-	47.9	38.5	-	-

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO non mitig				PO mitig				PO mitig Sensitività			
									L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]	
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
R37	SW	1	60	50	-	-	65	55	49.6	41.4	-	-	54.5	45.5	-	-	53.4	44.7	-	-	51.6	42.6	-	-
R37	SW	2	60	50	-	-	65	55	50	41.8	-	-	55.4	46.2	-	-	54	45.2	-	-	52.4	43.3	-	-
R37	SE	PT	60	50	-	-	65	55	38.9	29.1	-	-	50.7	40.5	-	-	47.9	37.8	-	-	47.8	37.7	-	-
R37	SE	1	60	50	-	-	65	55	40.8	30.9	-	-	52.6	42.4	-	-	49.9	39.7	-	-	49.8	39.6	-	-
R37	SE	2	60	50	-	-	65	55	42.3	32.5	-	-	53.9	43.7	-	-	51.2	41	-	-	51.1	40.9	-	-
R38	NW	PT	60	50	-	-	65	55	62.6	54.5	2.6	4.5	64.8	56.7	-	1.7	64.8	56.7	-	1.7	61.8	53.7	-	-
R38	NW	1	60	50	-	-	65	55	62.6	54.4	2.6	4.4	64.8	56.6	-	1.6	64.8	56.6	-	1.6	61.8	53.6	-	-
R38	NW	2	60	50	-	-	65	55	62	53.9	2	3.9	64.2	56.1	-	1.1	64.2	56.1	-	1.1	61.2	53.1	-	-
R38	SE	PT	60	50	-	-	65	55	41	31	-	-	49	38.6	-	-	46.6	36.4	-	-	46.5	36.1	-	-
R38	SE	1	60	50	-	-	65	55	42.4	32.4	-	-	51	40.6	-	-	48.6	38.3	-	-	48.5	38.2	-	-
R38	SE	2	60	50	-	-	65	55	44.1	34	-	-	52.1	41.7	-	-	49.9	39.6	-	-	49.8	39.5	-	-
R39	S	PT	60	50	-	-	-	-	40.9	32.6	-	-	44.5	35.9	-	-	43.8	35.3	-	-	41.6	33	-	-
R39	S	1	60	50	-	-	-	-	44.7	36.5	-	-	48	39.5	-	-	47.5	39.1	-	-	45.1	36.6	-	-
R39	S	2	60	50	-	-	-	-	46.9	38.7	-	-	49.9	41.5	-	-	49.5	41.2	-	-	47	38.6	-	-
R40	S	PT	60	50	-	-	-	-	40.8	32.5	-	-	44.2	35.6	-	-	43.5	35.1	-	-	41.2	32.6	-	-
R40	S	1	60	50	-	-	-	-	44.6	36.4	-	-	47.7	39.3	-	-	47.3	38.9	-	-	44.8	36.3	-	-
R40	S	2	60	50	-	-	-	-	46.7	38.4	-	-	49.6	41.2	-	-	49.2	40.9	-	-	46.7	38.2	-	-
R41	S	PT	60	50	65	55	-	-	39.4	31.1	-	-	42.6	34	-	-	42	33.6	-	-	39.8	31.1	-	-
R41	S	1	60	50	65	55	-	-	43.8	35.5	-	-	46.7	38.2	-	-	46.2	37.9	-	-	43.8	35.3	-	-
R41	S	2	60	50	65	55	-	-	46	37.8	-	-	48.8	40.4	-	-	48.5	40.1	-	-	45.9	37.5	-	-
R42	SE	PT	60	50	65	55	65	55	49.3	41.1	-	-	51.7	43.4	-	-	51.6	43.4	-	-	48.8	40.5	-	-
R42	SE	1	60	50	65	55	65	55	53.4	45.2	-	-	55.7	47.5	-	-	55.7	47.5	-	-	52.8	44.6	-	-
R42	SE	2	60	50	65	55	65	55	54	45.8	-	-	56.3	48.1	-	-	56.2	48	-	-	53.4	45.1	-	-

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO non mitig				PO mitig				PO mitig Sensitività			
									L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]	
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
R43	SW	PT	60	50	65	55	65	55	57.6	49.4	-	-	59.9	51.7	-	-	59.8	51.7	-	-	56.9	48.7	-	-
R43	SW	1	60	50	65	55	65	55	58.3	50.2	-	-	60.6	52.4	-	-	60.6	52.4	-	-	57.6	49.4	-	-
R43	SW	2	60	50	65	55	65	55	58.2	50	-	-	60.5	52.3	-	-	60.4	52.2	-	-	57.6	49.3	-	-
R43	SE	PT	60	50	65	55	65	55	62.9	54.8	-	-	65.2	57	0.2	2	65.2	57	0.2	2	62.2	54	-	-
R43	SE	1	60	50	65	55	65	55	63.1	55	-	0	65.4	57.2	0.4	2.2	65.4	57.2	0.4	2.2	62.4	54.2	-	-
R43	SE	2	60	50	65	55	65	55	62.6	54.4	-	-	64.8	56.6	-	1.6	64.8	56.6	-	1.6	61.9	53.7	-	-
R44	NW	PT	60	50	65	55	65	55	62.9	54.8	-	-	65.1	57	0.1	2	65.1	56.9	0.1	1.9	62.1	54	-	-
R44	NW	1	60	50	65	55	65	55	62.9	54.7	-	-	65.1	56.9	0.1	1.9	65.1	56.9	0.1	1.9	62.1	53.9	-	-
R44	NW	2	60	50	65	55	65	55	62.3	54.1	-	-	64.5	56.3	-	1.3	64.5	56.3	-	1.3	61.5	53.3	-	-
R44	SE	PT	60	50	-	-	65	55	41.4	31.3	-	-	49.2	38.9	-	-	46.9	36.7	-	-	46.8	36.5	-	-
R44	SE	1	60	50	-	-	65	55	43.3	33.3	-	-	51.1	40.8	-	-	48.9	38.8	-	-	48.8	38.5	-	-
R44	SE	2	60	50	-	-	65	55	45.2	35.2	-	-	52.2	42	-	-	50.3	40.1	-	-	50.1	39.9	-	-
R45	SW	PT	60	50	65	55	65	55	58.9	50.7	-	-	61.1	52.9	-	-	61.1	52.9	-	-	58.2	50	-	-
R45	SW	1	60	50	65	55	65	55	59.5	51.3	-	-	61.8	53.6	-	-	61.8	53.6	-	-	58.8	50.6	-	-
R45	SW	2	60	50	65	55	65	55	59.2	51	-	-	61.5	53.3	-	-	61.5	53.3	-	-	58.6	50.3	-	-
R45	SE	PT	60	50	65	55	65	55	63	54.9	-	-	65.3	57.1	0.3	2.1	65.3	57.1	0.3	2.1	62.3	54.1	-	-
R45	SE	1	60	50	65	55	65	55	63.2	55.1	-	0.1	65.5	57.3	0.5	2.3	65.5	57.3	0.5	2.3	62.5	54.3	-	-
R45	SE	2	60	50	65	55	65	55	62.8	54.6	-	-	65	56.8	0	1.8	65	56.8	0	1.8	62.1	53.9	-	-
R46	SE	PT	60	50	-	-	65	55	46.6	38.4	-	-	49.4	41	-	-	49.1	40.8	-	-	46.5	38.1	-	-
R46	SE	1	60	50	-	-	65	55	51.6	43.5	-	-	54.1	45.8	-	-	54	45.7	-	-	51.2	42.9	-	-
R46	SE	2	60	50	-	-	65	55	52.3	44.1	-	-	54.8	46.5	-	-	54.7	46.4	-	-	52	43.6	-	-
R47	S	PT	60	50	65	55	-	-	37.8	29.5	-	-	40.7	32.3	-	-	40.3	32	-	-	38	29.6	-	-
R47	S	1	60	50	65	55	-	-	40.9	32.6	-	-	43.7	35.4	-	-	43.4	35.1	-	-	41	32.6	-	-

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO non mitig				PO mitig				PO mitig Sensitività			
									L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]	
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
R48	S	PT	60	50	-	-	-	-	35.4	27	-	-	38.4	29.9	-	-	37.9	29.5	-	-	35.9	27.4	-	-
R48	S	1	60	50	-	-	-	-	37.2	28.9	-	-	40.4	32	-	-	39.8	31.5	-	-	37.9	29.4	-	-
R48	S	2	60	50	-	-	-	-	39.7	31.4	-	-	42.7	34.3	-	-	42.3	33.9	-	-	40.4	31.9	-	-
R49	SE	PT	60	50	-	-	65	55	52.1	43.9	-	-	54.4	46.1	-	-	54.3	46.1	-	-	51.4	43.2	-	-
R49	SE	1	60	50	-	-	65	55	53.7	45.5	-	-	56	47.8	-	-	56	47.8	-	-	53.1	44.8	-	-
R49	SE	2	60	50	-	-	65	55	54.4	46.2	-	-	56.7	48.4	-	-	56.6	48.4	-	-	53.9	45.6	-	-
R50	S	PT	55	45	65	55	65	55	47.5	38.7	-	-	51.6	42.3	-	-	50.8	41.7	-	-	49.5	40	-	-
R50	S	1	55	45	65	55	65	55	49.7	40.6	-	-	53	43.7	-	-	52.3	43.1	-	-	51.1	41.6	-	-
R50	W	PT	55	45	65	55	65	55	55.9	47.7	-	-	58.4	50.1	-	-	58.2	50	-	-	55.4	47.1	-	-
R50	W	1	55	45	65	55	65	55	56.7	48.5	-	-	59.2	50.9	-	-	59.1	50.8	-	-	56.2	48	-	-
R50	N	PT	55	45	65	55	65	55	61.9	53.7	-	-	64.1	55.9	-	0.9	64.1	55.9	-	0.9	61.1	52.9	-	-
R50	N	1	55	45	65	55	65	55	62.1	54	-	-	64.4	56.2	-	1.2	64.4	56.2	-	1.2	61.4	53.2	-	-
R51	SE	PT	55	45	65	55	65	55	45.3	35	-	-	49.5	39.2	-	-	48.4	38.1	-	-	48.3	37.9	-	-
R51	SE	1	55	45	65	55	65	55	47.3	37.1	-	-	50.7	40.4	-	-	49.6	39.4	-	-	49.5	39.2	-	-
R51	SW	PT	55	45	65	55	65	55	52.8	44.6	-	-	55.3	47	-	-	55.2	46.8	-	-	52.5	44.1	-	-
R51	SW	1	55	45	65	55	65	55	55.1	46.8	-	-	57.5	49.2	-	-	57.4	49.1	-	-	54.7	46.3	-	-
R51	NW	PT	55	45	65	55	65	55	60.9	52.7	-	-	63.1	54.9	-	-	63.1	54.9	-	-	60.1	51.9	-	-
R51	NW	1	55	45	65	55	65	55	61.6	53.5	-	-	63.8	55.7	-	0.7	63.8	55.6	-	0.6	60.8	52.7	-	-
R52	S	PT	55	45	65	55	65	55	58.7	50.6	-	-	60.9	52.8	-	-	60.9	52.8	-	-	58	49.8	-	-
R52	S	1	55	45	65	55	65	55	57.5	49.3	-	-	59.7	51.5	-	-	59.7	51.5	-	-	56.8	48.6	-	-
R53	S	PT	55	45	65	55	65	55	51.3	43.1	-	-	53.5	45.3	-	-	53.5	45.3	-	-	50.6	42.4	-	-
R53	S	1	55	45	65	55	65	55	54.4	46.2	-	-	56.7	48.5	-	-	56.6	48.4	-	-	53.8	45.5	-	-
R54	S	PT	55	45	-	-	65	55	45.4	36.8	-	-	47.2	38.7	-	-	47.2	38.7	-	-	44.9	36.2	-	-

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO non mitig				PO mitig				PO mitig Sensitività			
									L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]	
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
R54	S	1	55	45	-	-	65	55	49.4	41	-	-	51.4	43.1	-	-	51.4	43.1	-	-	48.9	40.4	-	-
R55	S	PT	55	45	-	-	65	55	40.9	32.4	-	-	43.5	34.8	-	-	43.3	34.7	-	-	41.4	32.5	-	-
R55	S	1	55	45	-	-	65	55	46.5	38	-	-	48.7	40.2	-	-	48.6	40.1	-	-	46.3	37.7	-	-
R56	NW	PT	55	45	65	55	65	55	62.1	53.9	-	-	64.3	56.1	-	1.1	64.3	56.1	-	1.1	61.3	53.2	-	-
R56	NW	1	55	45	65	55	65	55	62.3	54.2	-	-	64.5	56.4	-	1.4	64.5	56.3	-	1.3	61.5	53.4	-	-
R56	SE	PT	55	45	65	55	65	55	46	35.8	-	-	49.1	38.9	-	-	48.3	38.2	-	-	48.2	37.9	-	-
R56	SE	1	55	45	65	55	65	55	47.9	37.8	-	-	50.5	40.4	-	-	49.8	39.7	-	-	49.6	39.4	-	-
R57	NW	PT	55	45	65	55	65	55	61.2	53	-	-	63.4	55.2	-	0.2	63.4	55.2	-	0.2	60.4	52.3	-	-
R57	NW	1	55	45	65	55	65	55	61.8	53.6	-	-	64	55.8	-	0.8	64	55.8	-	0.8	61.1	52.9	-	-
R57	SW	PT	55	45	65	55	65	55	50	41.6	-	-	52.9	44.3	-	-	52.6	44	-	-	50.4	41.6	-	-
R57	SW	1	55	45	65	55	65	55	54.3	46	-	-	56.8	48.4	-	-	56.6	48.3	-	-	54	45.6	-	-
R57	SE	PT	55	45	65	55	65	55	47.7	37.6	-	-	50.2	40.1	-	-	49.6	39.6	-	-	49.5	39.4	-	-
R57	SE	1	55	45	65	55	65	55	49.5	39.6	-	-	51.6	41.7	-	-	51	41.2	-	-	51	41.1	-	-
R58	SE	PT	55	45	65	55	-	-	60.8	52.6	-	-	63	54.8	-	-	63	54.8	-	-	60.1	51.9	-	-
R58	SE	1	55	45	65	55	-	-	61.2	53	-	-	63.4	55.2	-	-	63.4	55.2	-	-	60.7	52.5	-	-
R58	SW	PT	55	45	65	55	-	-	57.6	49.5	-	-	59.8	51.6	-	-	59.8	51.6	-	-	56.9	48.7	-	-
R58	SW	1	55	45	65	55	-	-	58.6	50.4	-	-	60.8	52.6	-	-	60.8	52.6	-	-	57.9	49.6	-	-
R59	SW	1	55	45	65	55	-	-	56.6	48.4	-	-	58.8	50.6	-	-	58.8	50.6	-	-	56	47.7	-	-
R59	SE	PT	55	45	65	55	-	-	61.3	53.1	-	-	63.5	55.3	-	-	63.5	55.3	-	-	60.9	52.7	-	-
R59	SE	1	55	45	65	55	-	-	61.5	53.3	-	-	63.7	55.5	-	-	63.7	55.5	-	-	61.1	52.9	-	-
R60	S	PT	55	45	65	55	-	-	46.9	38.6	-	-	49.1	40.8	-	-	49	40.8	-	-	47.4	39.1	-	-
R60	S	1	55	45	65	55	-	-	52.3	44	-	-	54.5	46.2	-	-	54.4	46.2	-	-	52.6	44.3	-	-
R61	S	PT	55	45	65	55	-	-	53.1	44.8	-	-	55.2	47	-	-	55.2	47	-	-	53.3	45	-	-

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO non mitig				PO mitig				PO mitig Sensitività			
									L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]	
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
R61	S	1	55	45	65	55	-	-	56	47.8	-	-	58.2	50	-	-	58.2	50	-	-	56.2	48	-	-
R62	W	PT	55	45	65	55	-	-	48.3	38.1	-	-	49.2	39.1	-	-	48.9	38.8	-	-	50	39.8	-	-
R62	W	1	55	45	65	55	-	-	52.2	42	-	-	53.1	43	-	-	52.9	42.8	-	-	54.1	44	-	-
R62	S	PT	55	45	65	55	-	-	51.3	40.8	-	-	51.4	40.9	-	-	51.2	40.8	-	-	52.5	42.1	-	-
R62	S	1	55	45	65	55	-	-	53.7	43.2	-	-	54	43.6	-	-	53.9	43.5	-	-	55.3	44.9	-	-
R63	SW	PT	55	45	65	55	-	-	49.6	39.2	-	-	50.2	39.8	-	-	50.1	39.7	-	-	52.2	41.7	-	-
R63	SW	1	55	45	65	55	-	-	52.1	41.6	-	-	52.7	42.2	-	-	52.5	42.1	-	-	54.7	44.3	-	-
R63	SE	PT	55	45	65	55	-	-	48.9	38.4	-	-	49.2	38.8	-	-	49.1	38.6	-	-	50.3	39.8	-	-
R63	SE	1	55	45	65	55	-	-	51.1	40.6	-	-	51.6	41.2	-	-	51.5	41.1	-	-	52.8	42.3	-	-
R64	NE	PT	65	55	70	60	-	-	64	54.2	-	-	56.9	48.3	-	-	56.9	48.2	-	-	58.4	49.7	-	-
R64	NE	1	65	55	70	60	-	-	70.6	60.8	0.6	0.8	60.9	52.2	-	-	60.8	52.1	-	-	62.4	53.6	-	-
R65	NE	PT	65	55	70	60	-	-	62.3	52.4	-	-	56.8	48.3	-	-	56.7	48.3	-	-	58.3	49.8	-	-
R65	NE	1	65	55	70	60	-	-	67.9	58	-	-	60.3	51.8	-	-	60.2	51.7	-	-	61.8	53.3	-	-
R66	SW	PT	55	45	65	55	-	-	47.4	38.8	-	-	48.5	38.5	-	-	48.1	38.2	-	-	48	38	-	-
R66	NW	PT	55	45	65	55	-	-	46.8	36.7	-	-	49.8	41.1	-	-	49.6	41	-	-	49.4	40.8	-	-
R67	S	PT	55	45	65	55	-	-	43.9	35.7	-	-	46.2	38	-	-	46.1	37.9	-	-	45.8	37.5	-	-
R67	S	1	55	45	65	55	-	-	48.3	40.1	-	-	50.5	42.3	-	-	50.5	42.3	-	-	50.2	41.9	-	-
SIC 1	0	PT	55	45	65	55	-	-	56.4	48.2	1.4	3.2	58.7	50.5	3.7	5.5	58.6	50.4	3.6	5.4	55.7	47.5	0.7	2.5
SIC 2	0	PT	60	50	65	55	-	-	55.6	47.5	-	-	58.7	50.4	-	0.4	58.3	50	-	0	55.8	47.4	-	-