

**S.S. N. 14 "DELLA VENEZIA GIULIA"
VARIANTE DI SAN DONÀ DI PIAVE (VE) - 3° LOTTO
DALLA ROTATORIA DI CAPOSILE ALLA ROTATORIA DI PASSARELLA
E SCAVALCO DELLA ROTATORIA DI CALVECCHIA**

PROGETTO DEFINITIVO

**ANAS = STRUTTURA TERRITORIALE VENETO E FRIULI VENEZIA GIULIA
AREA NUOVE OPERE**

PROGETTISTI

Ing. Francesco Caobianco
Ordine Ing. Padova n. 3983



Ing. Filippo VIARO
Ordine Ing. Parma n. 827

Arch. Sergio BECCARELLI
Ordine Arch. Parma n. 377



ACUSTICA

Ing. Giovanni BRIANTI
Tecnico competente in Acustica Ambientale
ENTECA n. 6042




ARCHEOLOGIA

Dott.ssa Barbara SASSI

IL GEOLOGO

Dott. Geol. Maurizio MARTINO
Ordine Geol. Lazio ES n. 457

IL RESPONSABILE DEL PROCEDIMENTO

Dott. Ing. Antonio MARSELLA

IL COORDINATORE PER LA SICUREZZA IN FASE DI PROGETTAZIONE

Ing. Stefano Muffato
Ordine Ing. Venezia n. 2975



STUDIO ACUSTICO

Tabulati di calcolo post-operam e post-mitigazione

CODICE PROGETTO		NOME FILE		REVISIONE	SCALA
PROGETTO	LIV. PROG.	N. PROG.	T00SG03AMBSC03_C		
DPVE04	D	0901	CODICE ELAB. T00SG03AMBSC03	C	—
C	EMISSIONE PER PROCEDURE		OTT.2020	ing. G. Brianti	arch. S. Beccarelli ing. A. Marsella
B	EMISSIONE PER PROCEDURE		APR.2019	ing. G. Brianti	arch. S. Beccarelli ing. A. Nosari
A	EMISSIONE		DIC.2017	ing. G. Brianti	arch. S. Beccarelli ing. A. Nosari
REV.	DESCRIZIONE		DATA	REDATTO	VERIFICATO APPROVATO

INDICE

1.	CONSIDERAZIONI PRELIMINARI	2
2.	S.S. 14 VAR – CALVECCHIA	3
3.	S.S. 14 VAR - ARMELLINA	8

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 8.0 nello scenario stato attuale, nello scenario post-operam e nello scenario post-operam con mitigazioni, 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. S.S. 14 VAR – CALVECCHIA

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO solo SS47var				PO			
									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
R01a	SW	PT	60	50	65	55	65	55	63.8	56.9	-	1.9	46.7	40.5	-	-	62.4	55.7	-	0.7
R01a	SW	1	60	50	65	55	65	55	65.6	58.1	0.6	3.1	46.1	39.1	-	-	64.8	57.4	-	2.4
R01b	SW	PT	60	50	65	55	65	55	59.7	53.3	-	-	45.3	38.8	-	-	58.5	52.1	-	-
R02	SW	PT	60	50	65	55	65	55	58.1	52.1	-	-	36.7	30.9	-	-	56.6	50.7	-	-
R02	SW	1	60	50	65	55	65	55	59.7	53	-	-	44.6	38	-	-	58.5	51.9	-	-
R03	SW	PT	60	50	65	55	65	55	59.8	52.9	-	-	41.2	34.7	-	-	58.7	52	-	-
R04	SW	PT	55	45	65	55	65	55	52.5	46.9	-	-	29.6	22.8	-	-	50.8	45.2	-	-
R04	SW	1	55	45	65	55	65	55	55.4	49.6	-	-	42.2	36.1	-	-	54.1	48.2	-	-
R04	SW	PT	55	45	65	55	65	55	54.9	49.4	-	-	42.4	36.4	-	-	52.9	47.2	-	-
R05	SW	PT	55	45	65	55	65	55	53.2	47.5	-	-	41.5	35.5	-	-	51.3	45.4	-	-
R05	SW	1	55	45	65	55	65	55	56.8	50.6	-	-	44.6	38	-	-	55.3	49.1	-	-
R06	SW	PT	55	45	65	55	65	55	55.7	50.1	-	-	45.5	39.7	-	-	54	48.3	-	-
R06	SW	1	55	45	65	55	65	55	57.9	51.6	-	-	47	40.3	-	-	56.5	50.2	-	-
R06	SW	PT	55	45	65	55	65	55	56.4	50.6	-	-	43.6	37.8	-	-	54.8	49	-	-
R07	SW	PT	55	45	65	55	65	55	51.9	46.7	-	-	41.4	35.6	-	-	49.5	44.1	-	-
R08	SW	PT	55	45	65	55	65	55	53	47.7	-	-	42.3	36.1	-	-	51.1	45.5	-	-
R08	SW	1	55	45	65	55	65	55	55.9	50.3	-	-	45.9	39.6	-	-	54.3	48.4	-	-
R09	SW	PT	55	45	65	55	65	55	50.1	44.7	-	-	38.8	33	-	-	48.5	43	-	-
R09	SW	1	55	45	65	55	65	55	53.9	48.6	-	-	43.5	37.8	-	-	52.1	46.6	-	-
R10	SW	PT	55	45	65	55	65	55	50.5	45.2	-	-	41	34.9	-	-	48.6	43.1	-	-
R10	SW	1	55	45	65	55	65	55	54.5	49.2	-	-	45.3	39.2	-	-	52.8	47.2	-	-
R11	SW	PT	55	45	65	55	65	55	55.2	49.8	-	-	43.3	36.6	-	-	52.8	47.1	-	-
R11	SW	1	55	45	65	55	65	55	58	51.9	-	-	47.8	41	-	-	56.3	50	-	-
R12	SW	PT	55	45	65	55	65	55	54.3	48.9	-	-	45.6	38.6	-	-	52.5	46.5	-	-
R12	SW	1	55	45	65	55	65	55	57.6	51.6	-	-	48.4	41.2	-	-	56.1	49.8	-	-
R13	SW	PT	55	45	65	55	65	55	50.5	45.1	-	-	41.6	35.3	-	-	48.5	42.8	-	-
R13	SW	1	55	45	65	55	65	55	55	49.6	-	-	45.7	39.5	-	-	53	47.4	-	-
R14	SW	PT	55	45	65	55	65	55	55.2	49.7	-	-	48.4	41.2	-	-	53	46.6	-	-
R14	SW	1	55	45	65	55	65	55	58.2	52.1	-	-	51.1	43.7	-	-	56.6	50.1	-	-
R15	SW	PT	55	45	65	55	65	55	50.3	45	-	-	42.6	36.2	-	-	48.2	42.4	-	-
R16	SW	PT	55	45	65	55	65	55	51.4	46.1	-	-	43.1	36.8	-	-	49.4	43.6	-	-
R16	SW	1	55	45	65	55	65	55	55.4	49.9	-	-	46.8	40.4	-	-	53.7	47.9	-	-
R17	SW	PT	55	45	65	55	65	55	57.1	51.6	-	-	49.9	42.8	-	-	55.6	49.4	-	-
R17	SW	1	55	45	65	55	65	55	59.6	53.4	-	-	52	44.6	-	-	57.9	51.3	-	-
R18	SW	PT	55	45	65	55	65	55	59	53.5	-	-	51.8	44.5	-	-	57.1	50.9	-	-
R19	SW	PT	55	45	65	55	65	55	49.7	44.3	-	-	42.6	35.6	-	-	47.8	41.8	-	-

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO solo SS47var				PO			
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
R19	SW	1	55	45	65	55	65	55	53.4	47.6	-	-	45.7	38.9	-	-	51.9	46	-	-
R20	SW	PT	55	45	65	55	65	55	52.8	47.5	-	-	46.1	39.1	-	-	50.5	44.5	-	-
R20	SW	1	55	45	65	55	65	55	56.1	50.3	-	-	48.7	41.5	-	-	53.9	47.6	-	-
R21	SW	PT	55	45	65	55	65	55	55.1	49.8	-	-	48.9	42	-	-	52.9	46.6	-	-
R21	SW	1	55	45	65	55	65	55	59.4	53.3	-	-	52.2	44.7	-	-	57.6	51.1	-	-
R22	SW	PT	60	50	65	55	65	55	57.2	51.7	-	-	50	43.2	-	-	55.6	49.6	-	-
R22	SW	1	60	50	65	55	65	55	60.6	54.5	-	-	53.3	45.9	-	-	58.7	52.1	-	-
R23a	SW	PT	55	45	65	55	65	55	54.3	49.1	-	-	47.1	40.4	-	-	52.2	46.4	-	-
R23a	SW	1	55	45	65	55	65	55	57.3	51.7	-	-	50.2	43.3	-	-	55.7	49.6	-	-
R23b	SW	PT	55	45	65	55	65	55	55	49.8	-	-	48.5	41.6	-	-	53	47	-	-
R23b	SW	1	55	45	65	55	65	55	58.2	52.6	-	-	50.7	43.6	-	-	56.3	50.1	-	-
R24	SW	PT	60	50	65	55	65	55	60.6	54.5	-	-	53.3	45.8	-	-	58.8	52.1	-	-
R24	SW	PT	60	50	65	55	65	55	58.2	52.7	-	-	52	44.9	-	-	56.9	50.4	-	-
R25	SW	PT	60	50	65	55	65	55	55.1	49.9	-	-	48.4	41.5	-	-	52.9	46.6	-	-
R26a	SW	PT	60	50	65	55	65	55	58.1	52.7	-	-	51.8	44.8	-	-	57.1	50.5	-	-
R26b	SE	PT	60	50	70	60	65	55	63.1	57.2	-	-	50.4	43.2	-	-	61.7	55.2	-	-
R26b	SE	1	60	50	70	60	65	55	64.6	57.8	-	-	51.8	44.5	-	-	63.2	56.2	-	-
R26b	SW	PT	60	50	70	60	65	55	62.3	56.6	-	-	52.2	45	-	-	60.6	54.1	-	-
R26b	SW	1	60	50	70	60	65	55	65.1	58.5	-	-	54.4	47.2	-	-	63.6	56.7	-	-
R27a	SW	PT	60	50	65	55	65	55	55.8	50.4	-	-	47.6	41	-	-	53.4	47.4	-	-
R27b	SW	PT	60	50	65	55	65	55	55.3	49.9	-	-	48.4	41.7	-	-	53.4	47.2	-	-
R28a	SW	PT	60	50	70	60	65	55	54.2	48.7	-	-	47.7	41.4	-	-	53	47	-	-
R28a	SW	1	60	50	70	60	65	55	59.3	53.3	-	-	50.5	43.7	-	-	58	51.7	-	-
R28b	SW	PT	60	50	70	60	65	55	53	47.7	-	-	44.8	38.4	-	-	51.2	45.5	-	-
R28b	SW	1	60	50	70	60	65	55	59.4	53.3	-	-	48.5	41.8	-	-	58.1	51.6	-	-
R28c	SE	PT	60	50	70	60	65	55	61	55.1	-	-	47	39.7	-	-	59.8	53.4	-	-
R28c	SE	1	60	50	70	60	65	55	62.4	55.7	-	-	48.3	41.1	-	-	61.3	54.5	-	-
R28c	SW	PT	60	50	70	60	65	55	60.8	55	-	-	46.5	39.2	-	-	59.6	53.3	-	-
R28c	SW	1	60	50	70	60	65	55	62.2	55.5	-	-	48.3	41.2	-	-	61.1	54.2	-	-
R29a	SW	PT	60	50	70	60	65	55	66.9	60.4	-	0.4	50.7	43.8	-	-	66.4	59.7	-	-
R29a	SW	1	60	50	70	60	65	55	68.9	61.7	-	1.7	52	45.1	-	-	68.3	61	-	1
R29a	SW	2	60	50	70	60	65	55	69.1	61.8	-	1.8	53.1	45.9	-	-	68.6	61.1	-	1.1
R29a	SW	3	60	50	70	60	65	55	69.2	61.7	-	1.7	54.1	46.6	-	-	68.5	61	-	1
R29a	SE	PT	60	50	70	60	65	55	70.3	63.1	0.3	3.1	45.8	38.5	-	-	69.8	62.8	-	2.8
R29a	SE	1	60	50	70	60	65	55	72.2	64.7	2.2	4.7	47.6	40.5	-	-	72	64.4	2	4.4
R29a	SE	2	60	50	70	60	65	55	72.2	64.5	2.2	4.5	49.1	42	-	-	72	64.3	2	4.3
R29a	SE	3	60	50	70	60	65	55	71.9	64.3	1.9	4.3	50.6	43.3	-	-	71.7	64	1.7	4
R29b	SE	PT	60	50	70	60	65	55	70.6	63.4	0.6	3.4	45.1	38.3	-	-	69.9	62.9	-	2.9
R29b	SE	1	60	50	70	60	65	55	71.4	63.9	1.4	3.9	46.8	40	-	-	71.1	63.7	1.1	3.7

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO solo SS47var				PO			
									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
R29c	SW	PT	60	50	70	60	65	55	62.1	56.2	-	-	49.9	43	-	-	60.7	54.3	-	-
R29c	SW	1	60	50	70	60	65	55	63.5	56.8	-	-	51.3	44.3	-	-	62.4	55.4	-	-
R30	SW	PT	60	50	70	60	65	55	61	54.8	-	-	49	42.4	-	-	59.8	53.8	-	-
R30	SW	1	60	50	70	60	65	55	64.8	57.5	-	-	51	43.9	-	-	64.1	56.9	-	-
R30a	NW	PT	60	50	70	60	65	55	69.9	62.8	-	2.8	48.2	41.5	-	-	69.4	62.4	-	2.4
R30a	NW	1	60	50	70	60	65	55	70.9	63.4	0.9	3.4	49.2	42.4	-	-	70.6	63.1	0.6	3.1
R30a	SW	PT	60	50	70	60	65	55	69.4	62.4	-	2.4	51.5	44.8	-	-	68.5	61.4	-	1.4
R30a	SW	1	60	50	70	60	65	55	69.9	62.6	-	2.6	52.7	45.7	-	-	69.2	61.9	-	1.9
R30b	NW	PT	60	50	70	60	65	55	66.1	59.8	-	-	46.5	40	-	-	65	58.9	-	-
R30b	NW	1	60	50	70	60	65	55	69.2	61.7	-	1.7	48	41.3	-	-	68.8	61.4	-	1.4
R31	SW	PT	60	50	70	60	65	55	60	53.8	-	-	42.6	36.3	-	-	58.8	52.8	-	-
R31	SW	1	60	50	70	60	65	55	61.8	54.9	-	-	46.7	40.7	-	-	61.2	54.4	-	-
R32	NW	PT	60	50	70	60	65	55	64.8	58.6	-	-	42.1	34.9	-	-	63.5	57.6	-	-
R32	NW	1	60	50	70	60	65	55	69.9	62.5	-	2.5	45.7	39.2	-	-	69.6	62.3	-	2.3
R32	NW	2	60	50	70	60	65	55	70.1	62.6	0.1	2.6	46.7	39.9	-	-	69.9	62.4	-	2.4
R32	SW	PT	60	50	70	60	65	55	61.2	55.5	-	-	47.8	41.2	-	-	59.3	53.6	-	-
R32	SW	1	60	50	70	60	65	55	65.6	58.5	-	-	49.6	42.8	-	-	64.9	57.9	-	-
R32	SW	2	60	50	70	60	65	55	66.2	58.8	-	-	50.5	43.4	-	-	65.7	58.4	-	-
R33a	SW	PT	55	45	70	60	65	55	59.5	53.9	-	-	49.2	42.4	-	-	57.5	51.9	-	-
R33a	SW	1	55	45	70	60	65	55	61.4	55	-	-	50.8	43.8	-	-	59.9	53.7	-	-
R33b	SW	PT	55	45	65	55	65	55	58.6	53.3	-	-	50.4	43.4	-	-	56.3	50.8	-	-
R34	SW	PT	60	50	65	55	65	55	59.6	54	-	-	45.6	39.1	-	-	58.4	52.8	-	-
R34	SW	PT	60	50	65	55	65	55	55.6	50	-	-	47.1	40.2	-	-	54.2	48.5	-	-
R35	NW	PT	60	50	65	55	65	55	69.4	62.5	4.4	7.5	41.2	35.2	-	-	68.5	62	3.5	7
R35	NW	1	60	50	65	55	65	55	71.6	64.1	6.6	9.1	44.4	38.3	-	-	71.4	63.9	6.4	8.9
R35	SW	PT	60	50	65	55	65	55	64.7	58.1	-	3.1	45.2	38.9	-	-	63.7	57.4	-	2.4
R35	SW	1	60	50	65	55	65	55	67.1	59.9	2.1	4.9	48.3	42.1	-	-	66.8	59.6	1.8	4.6
R36	SW	PT	60	50	65	55	65	55	55	49.7	-	-	46	39.4	-	-	52.4	46.9	-	-
R36	SW	1	60	50	65	55	65	55	57.5	51.7	-	-	48.7	41.9	-	-	55.8	50	-	-
R37	NW	PT	65	55	65	55	65	55	67.2	60.5	2.2	5.5	39.3	33.2	-	-	66.4	60	1.4	5
R37	NW	1	65	55	65	55	65	55	69.5	62.1	4.5	7.1	43.3	37.2	-	-	69.3	62	4.3	7
R37	SW	PT	65	55	65	55	65	55	61.9	55.6	-	0.6	40.5	34.3	-	-	60.9	54.9	-	-
R37	SW	1	65	55	65	55	65	55	64.5	57.2	-	2.2	46.1	40	-	-	64	56.9	-	1.9
R38	SE	PT	60	50	70	60	65	55	70.3	62.8	0.3	2.8	43.9	37.1	-	-	69.8	62.4	-	2.4
R38	SE	1	60	50	70	60	65	55	72.1	64.3	2.1	4.3	45.8	39	-	-	71.9	64.1	1.9	4.1
R38	NE	PT	60	50	70	60	65	55	65.3	58.5	-	-	46.4	39.7	-	-	64.3	57.4	-	-
R38	NE	1	60	50	70	60	65	55	68.5	60.9	-	0.9	48.7	42.2	-	-	68.1	60.5	-	0.5
R39a	NE	PT	60	50	70	60	65	55	61.9	55.8	-	-	45.6	38.9	-	-	59.5	53.4	-	-
R39a	NE	1	60	50	70	60	65	55	63.8	56.7	-	-	47.7	40.9	-	-	62.2	55.2	-	-

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO solo SS47var				PO			
									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
R39a	SE	PT	60	50	70	60	65	55	64	57.8	-	-	45.5	38.7	-	-	61.5	55.4	-	-
R39a	SE	1	60	50	70	60	65	55	66.2	58.9	-	-	47.3	40.6	-	-	64.8	57.7	-	-
R39b	NE	PT	60	50	65	55	65	55	57.9	52.6	-	-	50.9	43.9	-	-	55	48.6	-	-
R39b	NE	1	60	50	65	55	65	55	60	53.9	-	-	52.5	45.3	-	-	58	51.4	-	-
R40	NE	PT	60	50	70	60	65	55	63.2	57.2	-	-	50.5	43.9	-	-	60.6	54.5	-	-
R40	NE	1	60	50	70	60	65	55	65.3	58.2	-	-	52.1	45.2	-	-	63.5	56.5	-	-
R40	SE	PT	60	50	70	60	65	55	64.9	58.5	-	-	46	39	-	-	62.1	55.9	-	-
R40	SE	1	60	50	70	60	65	55	66.9	59.6	-	-	48.2	41.4	-	-	65.4	58.2	-	-
R41	NE	PT	60	50	70	60	65	55	63.7	57.4	-	-	50.1	43.5	-	-	62	55.4	-	-
R41	NE	1	60	50	70	60	65	55	65.3	58.2	-	-	52.8	45.9	-	-	64.1	56.9	-	-
R41	SE	PT	60	50	70	60	65	55	66	59.6	-	-	47.1	40.1	-	-	63.9	57.4	-	-
R41	SE	1	60	50	70	60	65	55	67.6	60.3	-	0.3	49.3	42.4	-	-	66.2	58.9	-	-
R42	SE	PT	60	50	70	60	65	55	67.9	61.1	-	1.1	47.9	40.9	-	-	66.4	59.5	-	-
R42	SE	1	60	50	70	60	65	55	68.8	61.5	-	1.5	49.5	42.4	-	-	67.5	60.3	-	0.3
R42	NE	PT	60	50	70	60	65	55	67.7	61.1	-	1.1	53.2	46.1	-	-	66.1	59.3	-	-
R42	NE	1	60	50	70	60	65	55	68.6	61.5	-	1.5	55	47.8	-	-	67.1	59.8	-	-
R43	NW	PT	65	55	65	55	65	55	60.1	54.9	-	-	45.5	38.4	-	-	57.7	52.4	-	-
R43	NW	1	65	55	65	55	65	55	62	55.8	-	0.8	47.1	39.9	-	-	60.5	54.4	-	-
R43	NW	2	65	55	65	55	65	55	63.2	56.1	-	1.1	47.9	40.6	-	-	61.9	55.1	-	0.1
R43	NE	PT	65	55	65	55	65	55	60.4	55.1	-	0.1	51.5	44.6	-	-	58.3	52.7	-	-
R43	NE	1	65	55	65	55	65	55	61.7	55.6	-	0.6	53	45.9	-	-	60.3	54	-	-
R43	NE	2	65	55	65	55	65	55	62.8	55.9	-	0.9	53.8	46.4	-	-	61.3	54.5	-	-
R43	NE	PT	65	55	65	55	65	55	58.4	53.1	-	-	50.8	44.2	-	-	56.3	50.6	-	-
R43	NE	1	65	55	65	55	65	55	60.6	54.2	-	-	53.2	46.1	-	-	58.9	52.6	-	-
R43	NE	2	65	55	65	55	65	55	61.4	54.4	-	-	54.1	46.6	-	-	59.9	53.1	-	-
R43	NW	PT	65	55	65	55	65	55	59.4	53.8	-	-	41.8	35.2	-	-	57.4	51.7	-	-
R44	SW	PT	60	50	65	55	65	55	55.2	49.7	-	-	46.1	39.8	-	-	53	47.6	-	-
R44	SW	1	60	50	65	55	65	55	56.2	50.2	-	-	47.4	40.6	-	-	54.4	48.5	-	-
R45	NE	PT	65	55	65	55	65	55	55.6	50.1	-	-	44.9	39.3	-	-	53.8	48.3	-	-
R45	NE	PT	65	55	65	55	65	55	55.3	50	-	-	47.5	41.8	-	-	53.5	48.2	-	-
R45	NE	PT	65	55	65	55	65	55	55.6	50.2	-	-	47.4	41.7	-	-	53.8	48.4	-	-
R45	SE	PT	65	55	65	55	65	55	53.6	47.6	-	-	29.1	23.1	-	-	52.2	46.2	-	-
R69	SW	PT	60	50	65	55	65	55	56.1	50.1	-	-	40	34.5	-	-	54.8	48.8	-	-
R69	SW	1	60	50	65	55	65	55	56.8	50.3	-	-	41.3	35.2	-	-	55.7	49.3	-	-
R70	SW	PT	60	50	70	60	65	55	63	56.4	-	-	41.5	35.6	-	-	62.1	55.8	-	-
R70	SW	1	60	50	70	60	65	55	65.2	57.9	-	-	45.4	39.5	-	-	64.9	57.6	-	-
R70	SE	PT	60	50	70	60	65	55	64.9	58.4	-	-	38.6	32.5	-	-	64.1	57.8	-	-
R70	SE	1	60	50	70	60	65	55	67.5	60.1	-	0.1	41.2	35.1	-	-	67.2	59.9	-	-
R71	SE	PT	55	45	70	60	65	55	63.3	56.9	-	-	37.1	31.3	-	-	62.6	56.3	-	-

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO solo SS47var				PO			
			L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [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
R71	SE	1	55	45	70	60	65	55	65.8	58.6	-	-	41.7	36	-	-	65.4	58.4	-	-
R71	SW	PT	55	45	70	60	65	55	59.5	53.4	-	-	43.3	37.4	-	-	58.7	52.6	-	-
R71	SW	1	55	45	70	60	65	55	61.9	55.1	-	-	45.5	39.5	-	-	61.3	54.5	-	-
R72	NW	PT	70	60	70	60	65	55	67.9	61	-	1	37.1	30.8	-	-	67.1	60.3	-	0.3
R73	S	PT	70	60	70	60	65	55	54.7	49.6	-	-	43.1	36.3	-	-	52.7	47.5	-	-
R73	S	1	70	60	70	60	65	55	57.7	52.2	-	-	46.1	39.5	-	-	55.6	50	-	-
R74	W	PT	70	60	70	60	65	55	54.6	49.4	-	-	42.8	35.9	-	-	52.6	47.2	-	-
R74	W	1	70	60	70	60	65	55	57.9	52.3	-	-	45.6	39	-	-	56.1	50.3	-	-
R74	S	PT	70	60	70	60	65	55	54.8	49.4	-	-	44.1	37.6	-	-	52.5	47	-	-
R74	S	1	70	60	70	60	65	55	57.2	51.4	-	-	46.4	39.8	-	-	55.4	49.5	-	-
R75	S	PT	55	45	65	55	65	55	53.7	48.6	-	-	45.4	38.9	-	-	51.2	45.9	-	-
R75	S	1	55	45	65	55	65	55	55.4	49.8	-	-	47.3	40.4	-	-	53.4	47.7	-	-
R76	S	PT	55	45	65	55	65	55	54	48.9	-	-	45.3	38.8	-	-	51.6	46.4	-	-
R76	S	1	55	45	65	55	65	55	55.6	50	-	-	47.2	40.4	-	-	53.7	48.1	-	-
R77	S	PT	55	45	65	55	65	55	53.5	48.4	-	-	45	38.6	-	-	51.2	46	-	-
R77	S	1	55	45	65	55	65	55	55	49.4	-	-	46.8	39.9	-	-	53.2	47.6	-	-
R78	SW	PT	55	45	65	55	65	55	63.1	57.6	-	2.6	54.5	47.4	-	-	62.3	55.5	-	0.5
R78	SW	1	55	45	65	55	65	55	65.5	58.8	0.5	3.8	56.4	48.9	-	-	63.6	56.5	-	1.5
R79	N	PT	65	55	65	55	65	55	58.6	52.5	-	-	43.3	37.7	-	-	57.1	51	-	-
R79	E	PT	65	55	65	55	65	55	60.2	54.2	-	-	31.5	25.8	-	-	59.1	53	-	-
R79	S	PT	65	55	65	55	65	55	58.5	52.1	-	-	19	11.7	-	-	57.7	51.2	-	-
R80	N	PT	65	55	65	55	65	55	52.8	47.2	-	-	40.7	35.1	-	-	50.3	44.7	-	-
R80	S	PT	65	55	65	55	65	55	56	49.9	-	-	19.2	12	-	-	55.1	48.8	-	-
R82	NE	PT	60	50	65	55	65	55	70.4	63.1	5.4	8.1	40.1	34.4	-	-	69.6	62.6	4.6	7.6
R83	SW	PT	60	50	65	55	65	55	65.5	58.8	0.5	3.8	36.8	30.9	-	-	64.4	57.9	-	2.9

3. S.S. 14 VAR - ARMELLINA

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO solo SS47var				PO				PO solo SS47var Mitig.				PO Mitig.			
			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)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]			
			D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N
R46a	SW	PT	60	50	70	60	65	55	61.1	53.6	-	-	47.9	41.1	-	-	60.8	53.3	-	-	47.9	41.1	-	-	60.8	53.3	-	-
R46a	SW	1	60	50	70	60	65	55	64.1	56.5	-	-	52.1	45.3	-	-	63.9	56.5	-	-	52.1	45.3	-	-	63.9	56.5	-	-
R46a	SW	2	60	50	70	60	65	55	64.4	56.9	-	-	53.1	46.3	-	-	64.3	56.8	-	-	53.1	46.3	-	-	64.3	56.8	-	-
R46a	NE	PT	60	50	70	60	65	55	46.9	39.4	-	-	50.9	43.8	-	-	51.5	44.4	-	-	50.9	43.8	-	-	51.5	44.4	-	-
R46a	NE	1	60	50	70	60	65	55	48.9	41.4	-	-	56.3	49.2	-	-	56.7	49.6	-	-	56.3	49.2	-	-	56.7	49.6	-	-
R46a	NE	2	60	50	70	60	65	55	50.5	43	-	-	58	50.8	-	-	58.4	51.3	-	-	58	50.8	-	-	58.4	51.3	-	-
R46a	NW	PT	60	50	70	60	65	55	57.6	50.1	-	-	52.3	45.2	-	-	58	50.6	-	-	52.3	45.2	-	-	58	50.6	-	-
R46a	NW	1	60	50	70	60	65	55	60.6	53	-	-	57.5	50.4	-	-	61.7	54.4	-	-	57.5	50.4	-	-	61.7	54.4	-	-
R46a	NW	2	60	50	70	60	65	55	61	53.4	-	-	58.8	51.7	-	-	62.5	55.1	-	-	58.8	51.7	-	-	62.5	55.1	-	-
R46b	SW	PT	60	50	70	60	65	55	62.4	54.9	-	-	44.9	38.1	-	-	61.9	54.4	-	-	44.9	38.1	-	-	61.9	54.4	-	-
R46b	SW	1	60	50	70	60	65	55	65.1	57.6	-	-	48.8	42	-	-	65	57.5	-	-	48.8	42	-	-	65	57.5	-	-
R47	NW	PT	60	50	70	60	65	55	50.9	43.3	-	-	43.1	35.9	-	-	51	43.6	-	-	43.1	35.9	-	-	51	43.6	-	-
R47	NW	1	60	50	70	60	65	55	56.2	48.7	-	-	46.3	39.1	-	-	56.4	48.9	-	-	46.3	39.1	-	-	56.4	48.9	-	-
R47	NE	PT	60	50	70	60	65	55	38	30.6	-	-	43	35.8	-	-	43.8	36.6	-	-	43	35.8	-	-	43.8	36.6	-	-
R47	NE	1	60	50	70	60	65	55	40.3	32.9	-	-	46	38.8	-	-	46.7	39.5	-	-	46	38.8	-	-	46.7	39.5	-	-
R47	SW	PT	60	50	70	60	65	55	55.9	48.4	-	-	33.1	26.1	-	-	55.8	48.2	-	-	33.1	26.1	-	-	55.8	48.2	-	-
R47	SW	1	60	50	70	60	65	55	60.5	52.9	-	-	36.2	29.2	-	-	60.4	52.9	-	-	36.2	29.2	-	-	60.4	52.9	-	-
R48	NE	PT	55	45	70	60	65	55	49	41.5	-	-	41.9	35	-	-	47.4	40.1	-	-	41.9	35	-	-	47.4	40.1	-	-
R48	NE	1	55	45	70	60	65	55	51.8	44.3	-	-	44.5	37.7	-	-	51.2	43.8	-	-	44.5	37.7	-	-	51.2	43.8	-	-
R48	SE	PT	55	45	70	60	65	55	48.7	41.1	-	-	41.9	35	-	-	47	39.7	-	-	41.9	35	-	-	47	39.7	-	-
R48	SE	1	55	45	70	60	65	55	52	44.5	-	-	44.5	37.7	-	-	51.3	43.9	-	-	44.6	37.7	-	-	51.3	43.9	-	-
R49a	S	PT	60	50	-	-	65	55	27.4	20	-	-	56.3	49.1	-	-	56.3	49.1	-	-	50.7	43.5	-	-	50.7	43.6	-	-
R49a	S	1	60	50	-	-	65	55	31.4	24.1	-	-	59.7	52.6	-	-	59.7	52.6	-	-	53.4	46.2	-	-	53.4	46.2	-	-
R49a	W	PT	60	50	-	-	65	55	28.7	21.4	-	-	55.8	48.6	-	-	55.8	48.6	-	-	50.2	43	-	-	50.2	43	-	-
R49a	W	1	60	50	-	-	65	55	34.2	26.9	-	-	60.2	53	-	-	60.2	53	-	-	53.9	46.7	-	-	53.9	46.7	-	-
R49a	S	PT	60	50	-	-	65	55	26.7	19.3	-	-	58.3	51.1	-	-	58.3	51.1	-	-	52.4	45.2	-	-	52.4	45.2	-	-
R49a	S	1	60	50	-	-	65	55	30.9	23.6	-	-	63	55.8	-	0.8	63	55.8	-	0.8	55.3	48.1	-	-	55.3	48.1	-	-
R49b	N	PT	60	50	-	-	65	55	34.4	27.3	-	-	58.6	51.4	-	-	58.6	51.4	-	-	52.5	45.3	-	-	52.5	45.4	-	-
R49b	N	1	60	50	-	-	65	55	38.1	31	-	-	63.4	56.3	-	1.3	63.4	56.3	-	1.3	55	47.8	-	-	55	47.8	-	-
R49b	N	PT	60	50	-	-	65	55	34.3	27.2	-	-	58.7	51.5	-	-	58.7	51.5	-	-	51.6	44.4	-	-	51.6	44.4	-	-
R49b	N	1	60	50	-	-	65	55	37.9	30.7	-	-	63.3	56.1	-	1.1	63.3	56.1	-	1.1	53.2	46	-	-	53.2	46	-	-
R49b	N	2	60	50	-	-	65	55	40.3	33.2	-	-	64.6	57.4	-	2.4	64.6	57.4	-	2.4	56.2	49	-	-	56.2	49	-	-
R49b	W	PT	60	50	-	-	65	55	32.8	25.7	-	-	55.4	48.2	-	-	55.4	48.2	-	-	46.9	39.7	-	-	46.9	39.7	-	-
R49b	W	1	60	50	-	-	65	55	37.2	30.1	-	-	59.7	52.6	-	-	59.8	52.6	-	-	48.9	41.7	-	-	49	41.8	-	-
R49b	W	2	60	50	-	-	65	55	39.2	32.1	-	-	60.9	53.7	-	-	60.9	53.8	-	-	51.7	44.5	-	-	51.8	44.6	-	-
R49c	N	PT	60	50	-	-	65	55	38.1	31	-	-	60	52.8	-	-	60	52.8	-	-	51.8	44.6	-	-	51.8	44.6	-	-

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attual [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO solo SS47var				PO				PO solo SS47var Mitig.				PO Mitig.			
			D N		D N		D N		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)]		L calc [dB(A)]		L diff [dB(A)]	
			D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N
R49c	N	1	60	50	-	-	65	55	40	32.9	-	-	65.2	58.1	0.2	3.1	65.2	58.1	0.2	3.1	54.9	47.7	-	-	54.9	47.7	-	-
R50a	N	PT	60	50	-	-	-	-	33.5	26.3	-	-	44.8	37.6	-	-	45	37.8	-	-	44	36.8	-	-	44.2	37	-	-
R50a	N	1	60	50	-	-	-	-	34.9	27.7	-	-	47.3	40.1	-	-	47.3	40.2	-	-	46.6	39.4	-	-	46.7	39.5	-	-
R50b	N	PT	60	50	-	-	-	-	32.8	25.6	-	-	44.3	37.2	-	-	44.5	37.3	-	-	43.6	36.4	-	-	43.7	36.5	-	-
R50b	N	1	60	50	-	-	-	-	34.6	27.5	-	-	47	39.8	-	-	47.1	39.9	-	-	46.4	39.2	-	-	46.5	39.3	-	-
R51	S	PT	60	50	-	-	65	55	29.9	22.7	-	-	52.1	44.9	-	-	52.1	45	-	-	52.1	44.9	-	-	52.1	45	-	-
R51	S	1	60	50	-	-	65	55	34	26.9	-	-	53.9	46.7	-	-	53.9	46.7	-	-	53.9	46.7	-	-	53.9	46.7	-	-
R51	E	PT	60	50	-	-	65	55	36.5	29.3	-	-	51.6	44.5	-	-	51.7	44.5	-	-	51.7	44.5	-	-	51.7	44.5	-	-
R51	E	1	60	50	-	-	65	55	38.3	31.2	-	-	53	45.8	-	-	53.1	45.9	-	-	53	45.9	-	-	53.1	45.9	-	-
R51	W	PT	60	50	-	-	65	55	38.3	31.2	-	-	47.5	40.3	-	-	47.6	40.4	-	-	47.5	40.3	-	-	47.6	40.4	-	-
R51	W	1	60	50	-	-	65	55	40.5	33.4	-	-	50.2	43	-	-	50.3	43.1	-	-	50.1	43	-	-	50.2	43	-	-
R52	SE	PT	60	50	-	-	-	-	37.7	30.6	-	-	36.1	29	-	-	37.2	29.9	-	-	36.1	28.9	-	-	37.2	29.9	-	-
R52	SE	1	60	50	-	-	-	-	32.4	25.2	-	-	42.6	35.4	-	-	42.7	35.5	-	-	42.5	35.4	-	-	42.7	35.5	-	-
R53a	SE	PT	60	50	-	-	65	55	30.1	23	-	-	49.3	42.2	-	-	49.4	42.2	-	-	49.4	42.2	-	-	49.4	42.2	-	-
R53b	SE	PT	60	50	-	-	-	-	29.4	22.2	-	-	47.3	40.2	-	-	47.4	40.2	-	-	47.3	40.2	-	-	47.4	40.2	-	-
R54a	NW	PT	60	50	-	-	-	-	36.7	29.6	-	-	46.6	39.5	-	-	46.8	39.6	-	-	46.6	39.5	-	-	46.8	39.6	-	-
R54b	NW	PT	60	50	-	-	-	-	34.4	27.3	-	-	42.4	35.2	-	-	42.7	35.5	-	-	42.4	35.2	-	-	42.6	35.5	-	-
R54b	NW	1	60	50	-	-	-	-	35.5	28.4	-	-	44.2	37	-	-	44.4	37.2	-	-	44.1	36.9	-	-	44.3	37.1	-	-
R55a	SW	PT	60	50	65	55	65	55	44.5	37.4	-	-	41.4	34.2	-	-	43.6	36.3	-	-	41.4	34.2	-	-	43.6	36.3	-	-
R55a	SW	1	60	50	65	55	65	55	50.4	43.3	-	-	44.5	37.3	-	-	48.1	40.8	-	-	44.5	37.3	-	-	48.1	40.7	-	-
R55a	SE	PT	60	50	65	55	65	55	40	33.1	-	-	48.4	41.2	-	-	48.9	41.8	-	-	48.4	41.2	-	-	48.9	41.8	-	-
R55a	SE	1	60	50	65	55	65	55	44.2	37.2	-	-	51.8	44.6	-	-	52.3	45.1	-	-	51.8	44.6	-	-	52.3	45.1	-	-
R55a	NE	PT	60	50	65	55	65	55	47.1	40.1	-	-	48.8	41.7	-	-	50.6	43.5	-	-	48.8	41.7	-	-	50.6	43.5	-	-
R55a	NE	1	60	50	65	55	65	55	52.3	45.4	-	-	52.2	45.1	-	-	54.5	47.5	-	-	52.2	45.1	-	-	54.5	47.4	-	-
R55b	NE	PT	60	50	65	55	65	55	50.9	43.9	-	-	43	35.9	-	-	48.6	41.5	-	-	43	35.9	-	-	48.6	41.4	-	-
R55b	NE	1	60	50	65	55	65	55	54.2	47.1	-	-	46.6	39.5	-	-	52	44.8	-	-	46.6	39.5	-	-	51.9	44.8	-	-
R55b	SW	PT	60	50	65	55	65	55	43.5	36.4	-	-	37.4	30.2	-	-	40.8	33.3	-	-	37.4	30.2	-	-	40.8	33.3	-	-
R55b	SW	1	60	50	65	55	65	55	52.1	45	-	-	40.4	33.2	-	-	47.4	39.8	-	-	40.4	33.2	-	-	47.4	39.8	-	-
R56	SE	PT	60	50	70	60	65	55	68.7	61.6	-	1.6	42.2	35.1	-	-	63.1	55.4	-	-	42.2	35.2	-	-	63.1	55.4	-	-
R56	SE	1	60	50	70	60	65	55	69.9	62.7	-	2.7	46.6	39.6	-	-	64.4	56.8	-	-	46.6	39.6	-	-	64.4	56.8	-	-
R57	SE	PT	60	50	70	60	65	55	64.8	57.6	-	-	39	31.9	-	-	59.1	51.4	-	-	39	31.9	-	-	59.1	51.4	-	-
R57	SE	1	60	50	70	60	65	55	66.1	58.9	-	-	43.4	36.3	-	-	60.5	52.8	-	-	43.4	36.3	-	-	60.5	52.8	-	-
R58a	SE	PT	60	50	70	60	65	55	57.5	50.4	-	-	35.5	28.4	-	-	53.1	45.6	-	-	35.5	28.4	-	-	53	45.6	-	-
R58b	SE	PT	60	50	70	60	65	55	60.3	53.1	-	-	40.6	33.4	-	-	55	47.4	-	-	40.6	33.4	-	-	55	47.4	-	-
R58b	SE	1	60	50	70	60	65	55	63.4	56.3	-	-	43.3	36.2	-	-	58.2	50.6	-	-	43.3	36.2	-	-	58.2	50.6	-	-
R59	SE	PT	60	50	70	60	65	55	56.2	49.2	-	-	41.3	34.3	-	-	54.7	47.7	-	-	41.3	34.3	-	-	54.6	47.6	-	-
R59	SE	1	60	50	70	60	65	55	60.7	53.7	-	-	43.9	36.9	-	-	59.4	52.4	-	-	43.9	36.9	-	-	59.3	52.4	-	-
R60	SE	PT	60	50	70	60	-	-	49.6	42.6	-	-	37.3	30.2	-	-	48.2	41.1	-	-	37.3	30.2	-	-	48	40.9	-	-
R61	SE	PT	60	50	70	60	-	-	45.5	38.6	-	-	30.8	23.8	-	-	46.2	39.2	-	-	30.8	23.8	-	-	45.3	38.4	-	-

Ricev.	Direz.	Piano	L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [dB(A)]		AO				PO solo SS47var				PO				PO solo SS47var Mitig.				PO Mitig.			
			L lim Zonizz [dB(A)]		L lim Fascia attuali [dB(A)]		L lim Fascia progetto [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)]		L calc [dB(A)]		L diff [dB(A)]		L calc [dB(A)]		L diff [dB(A)]	
			D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N
R61	SE	1	60	50	70	60	-	-	51.1	44.1	-	-	37.6	30.6	-	-	51.2	44.2	-	-	37.6	30.6	-	-	50.6	43.6	-	-
R62	SE	PT	60	50	70	60	-	-	58.2	51.2	-	-	35.5	28.5	-	-	61.1	54	-	-	35.5	28.5	-	-	58.1	51.2	-	-
R63	SW	PT	60	50	70	60	65	55	59.7	52.7	-	-	39.4	32.4	-	-	59.7	52.7	-	-	39.4	32.4	-	-	59.7	52.7	-	-
R64	SW	PT	60	50	70	60	65	55	56.8	49.7	-	-	36.5	29.4	-	-	57	50	-	-	36.5	29.4	-	-	57	50	-	-
R64	SW	1	60	50	70	60	65	55	59.7	52.7	-	-	43.7	36.6	-	-	59.8	52.8	-	-	43.7	36.6	-	-	59.8	52.8	-	-
R65	SW	PT	60	50	70	60	-	-	54.6	47.4	-	-	33.7	26.7	-	-	54.6	47.4	-	-	33.7	26.7	-	-	54.6	47.4	-	-
R65	SW	1	60	50	70	60	-	-	57.5	50.3	-	-	37.7	30.7	-	-	57.5	50.3	-	-	37.7	30.7	-	-	57.5	50.3	-	-
R66	SW	PT	60	50	70	60	-	-	49.2	42.3	-	-	35.9	28.8	-	-	47.6	40.5	-	-	35.9	28.8	-	-	47.6	40.5	-	-
R67	W	PT	60	50	70	60	-	-	55.3	47.9	-	-	34.1	27.1	-	-	55.3	47.9	-	-	34.1	27.1	-	-	55.3	47.9	-	-
R67	W	1	60	50	70	60	-	-	60.2	52.8	-	-	38.4	31.5	-	-	60.2	52.8	-	-	38.4	31.5	-	-	60.2	52.8	-	-
R68	SE	PT	70	60	70	60	65	55	45.8	38.3	-	-	37.5	30.5	-	-	45.4	38	-	-	37.5	30.5	-	-	45.4	38	-	-
SIC/ZPS 1	0	PT	55	45	-	-	-	-	38	30.5	-	-	30.4	23.4	-	-	38	30.6	-	-	30.4	23.4	-	-	38	30.6	-	-
SIC/ZPS 2	0	PT	55	45	-	-	-	-	40	32.5	-	-	32.1	25.1	-	-	39.7	32.3	-	-	32.1	25.1	-	-	39.7	32.3	-	-
SIC/ZPS 3	0	PT	55	45	-	-	-	-	41.7	34.2	-	-	31.7	24.6	-	-	41.6	34.2	-	-	31.7	24.6	-	-	41.6	34.2	-	-
SIC/ZPS 4	0	PT	55	45	-	-	-	-	42.9	35.4	-	-	31.6	24.5	-	-	42.9	35.4	-	-	31.6	24.5	-	-	42.9	35.4	-	-