

COMUNE DI CASTENASO

Provincia di Bologna

AMBITO ANS C2.1 – VIA DE COUBERTIN – CASTENASO (BO)

PROGETTO URBANISTICO DI COMPLETAMENTO A FINI RESIDENZIALI

Documentazione previsionale di Clima Acustico

INTEGRAZIONE

(art. 8, L.447/95)

redazione dello studio a cura di:

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Lavoro n° FCA01/21-BO - Emissione del febbraio 2022

09/02/2022	Proposta di urbanizzazione a fini residenziali, a completamento dell'ambito ANS C2.1, in via de Coubertin – Castenaso (BO)	Rev. 1
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La presente nota viene stata redatta dall'Ing. Conti Franca, riconosciuta dalla Regione Emilia Romagna come Tecnico Competente per l'Acustica Ambientale (D.P.C.M. 31/3/98), ed iscritta all'elenco pubblicato mediante delibera di Giunta 589/98 (BUR n.148 del 2/12/98; "Determinazione del Direttore Generale Ambiente n.11394/98"). Trascrizione in ENTECA al n. 5238.



La presente nota viene redatta in riferimento alla proposta di urbanizzazione a fini residenziali, a completamento dell'edificazione per l'ambito ANS C2.1 di via de Coubertin a Castenaso BO.

Ci si pone, in particolare, l'obiettivo di fornire risposta all'Ente di controllo ARPAE, che in sede di Conferenza dei Servizi si è espresso attraverso la seguente richiesta di integrazioni:

Variante 2 al POC 3 con valore ed effetto di PUA comparto De Coubertin - Castenaso

Richiesta integrazioni ARPAE a seguito CdS del 12/01/2022

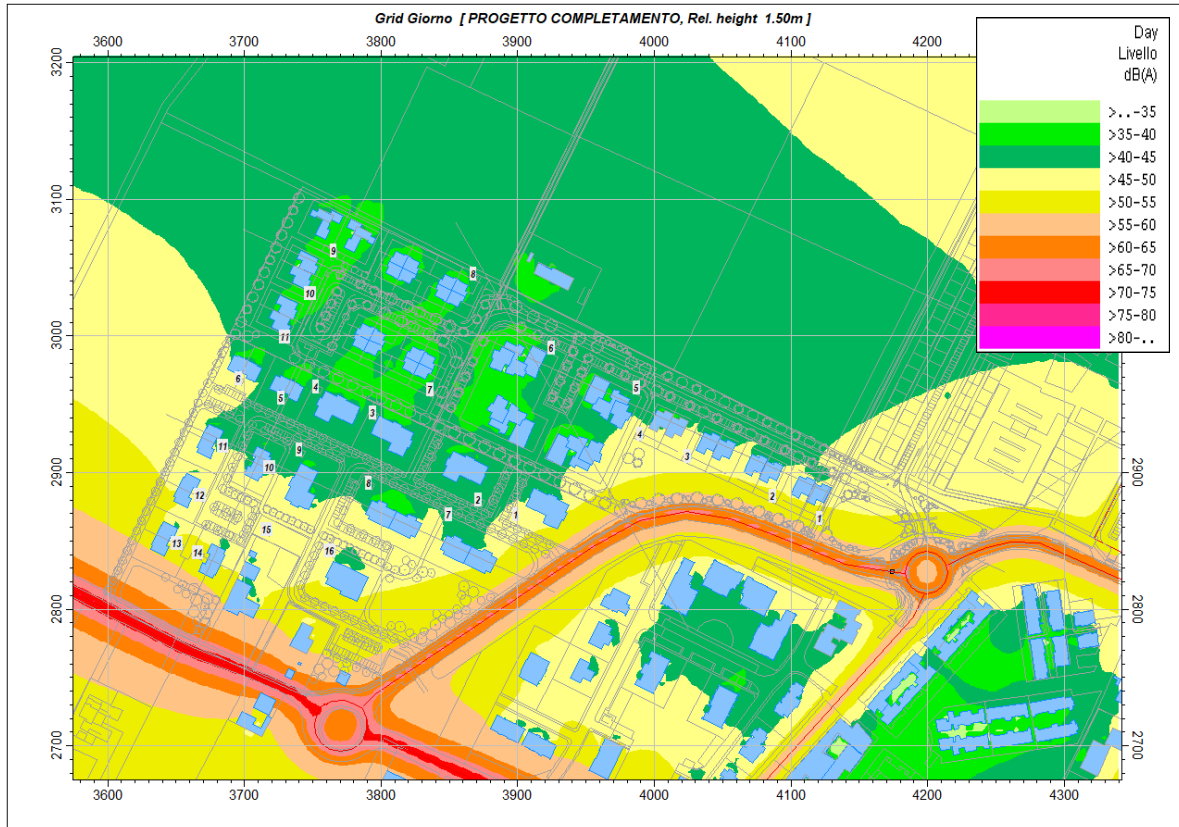
• RUMORE:

Vista la documentazione di clima acustico di maggio 2021 a firma di TCA, si osserva che le previsioni dei livelli attesi presso i ricettori vengono resi con mappature a due diverse quote (1,5 e 4m) e una sezione relativa agli affacci dei primi edifici di via De Coubertin.
Si chiede pertanto di allegare i valori simulati in forma tabellare per singoli ricettori.

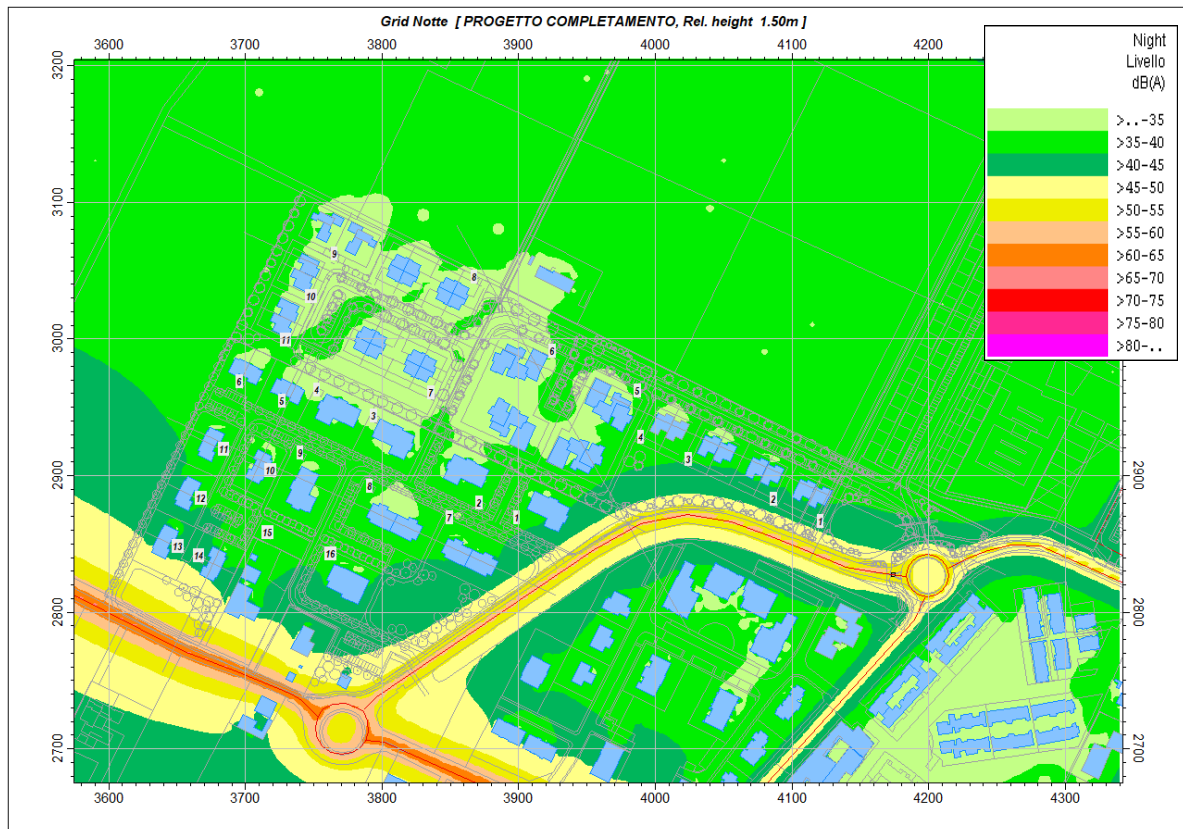
In ogni caso nel parere finale verrà inserita la prescrizione di realizzare un monitoraggio acustico presso l'edificio maggiormente esposto al rumore stradale (che risulterà dall'integrazione richiesta) al fine di confermare i livelli simulati. Tale monitoraggio dovrà essere realizzato durante la fase procedurale del permesso di costruire dell'edificio interessato.

Con la precedente stesura di lavoro, visti gli ampi margini deducibili dalla modellazione d'area rispetto ai limiti normativi, non si era proceduto nel calcolo puntuale ai recettori di facciata ritenendolo ridondante.

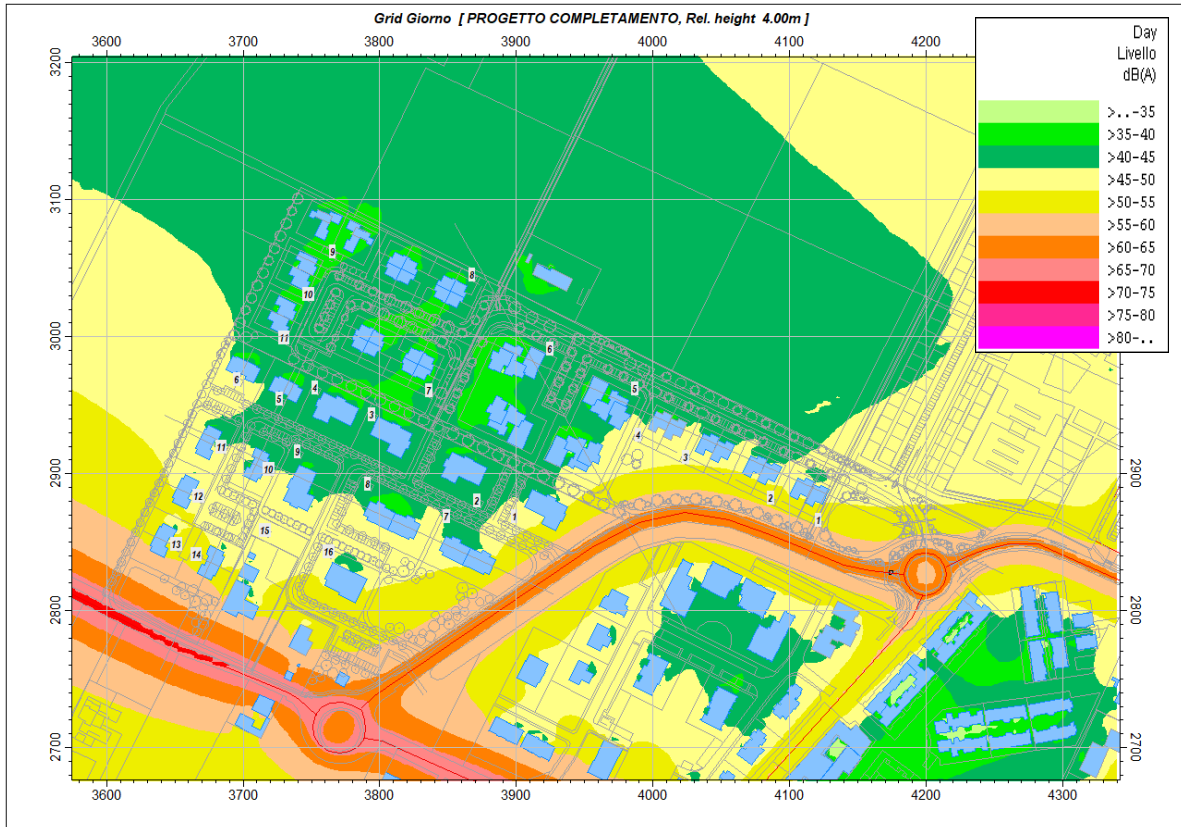
Preso atto della richiesta di approfondimento avanzata, si procede nel seguito restituendo gli esiti di tale calcolo, riproponendo, preliminarmente, le mappe d'area già presentate, preso atto del limite di zona, relativo alla classe III (60dBA diurni e 50dBA notturni).



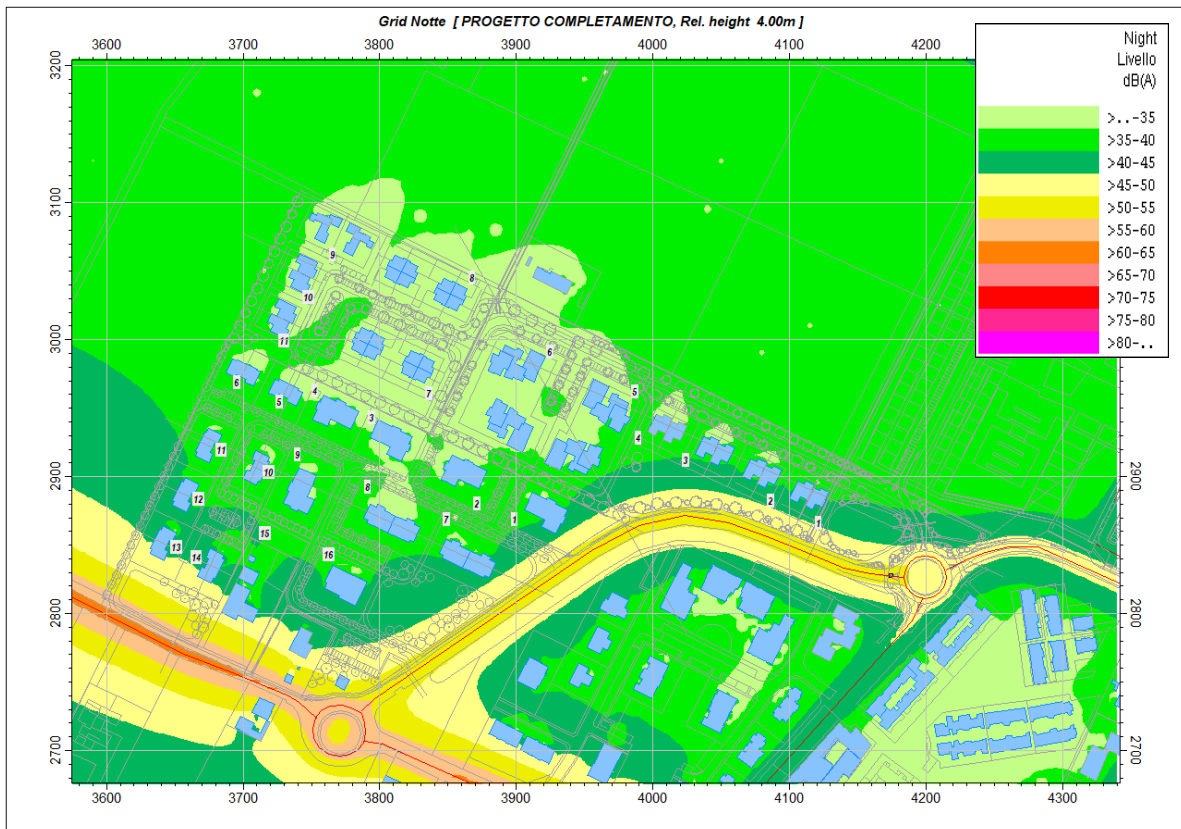
Griglia di calcolo a 1,5m sul piano di campagna (scenario FUTURO finale) – periodo diurno



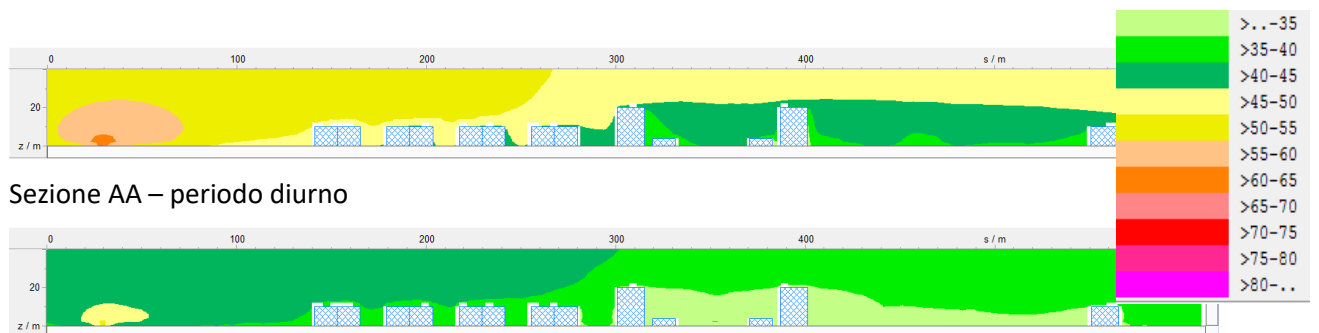
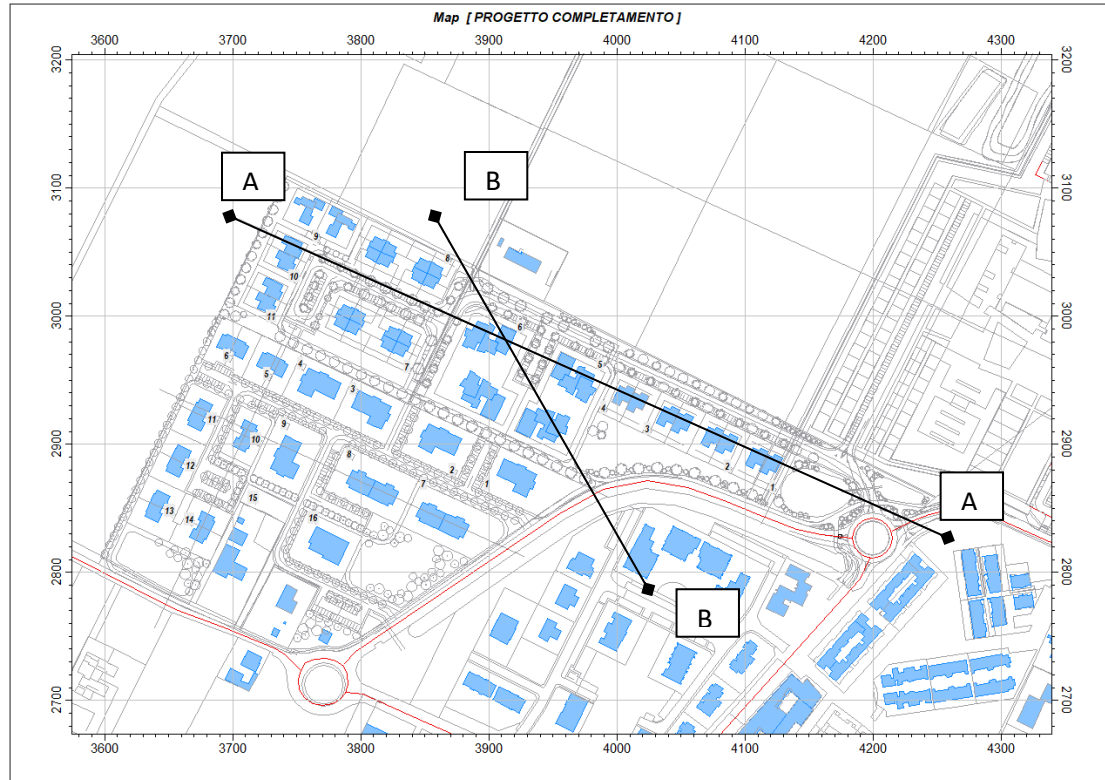
Griglia di calcolo a 1,5m sul piano di campagna (scenario FUTURO finale) – periodo notturno



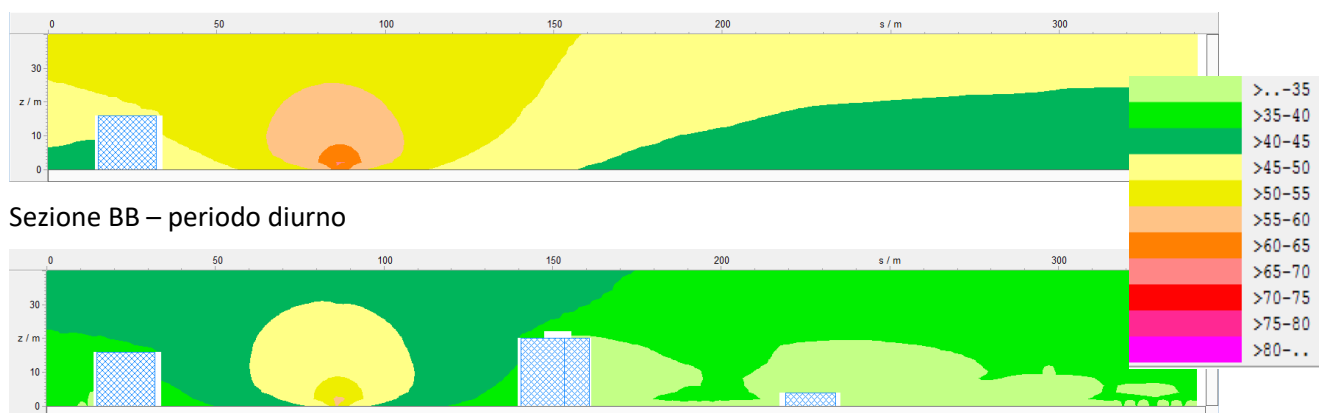
Griglia di calcolo a 4m sul piano di campagna (scenario FUTURO finale) – periodo diurno



Griglia di calcolo a 4m sul piano di campagna (scenario FUTURO finale) – periodo notturno



Sezione AA - periodo notturno



Sezione BB - periodo notturno

Mappe acustiche in sezione

La verifica puntuale ai recettori di facciata viene effettuata in riferimento agli edifici più esposti alla viabilità di perimetro: i lotti n.1, 2, 3, 4, 5, 6; i restanti volumi più interni al comparto e prossimi alla campagna, distanti cioè dalla viabilità primaria di zona, saranno a maggior ragione a norma, una volta preso atto dell'ampio margine normativo rispetto ai livelli deducibili da calcolo previsionale, presso i recettori più esposti.

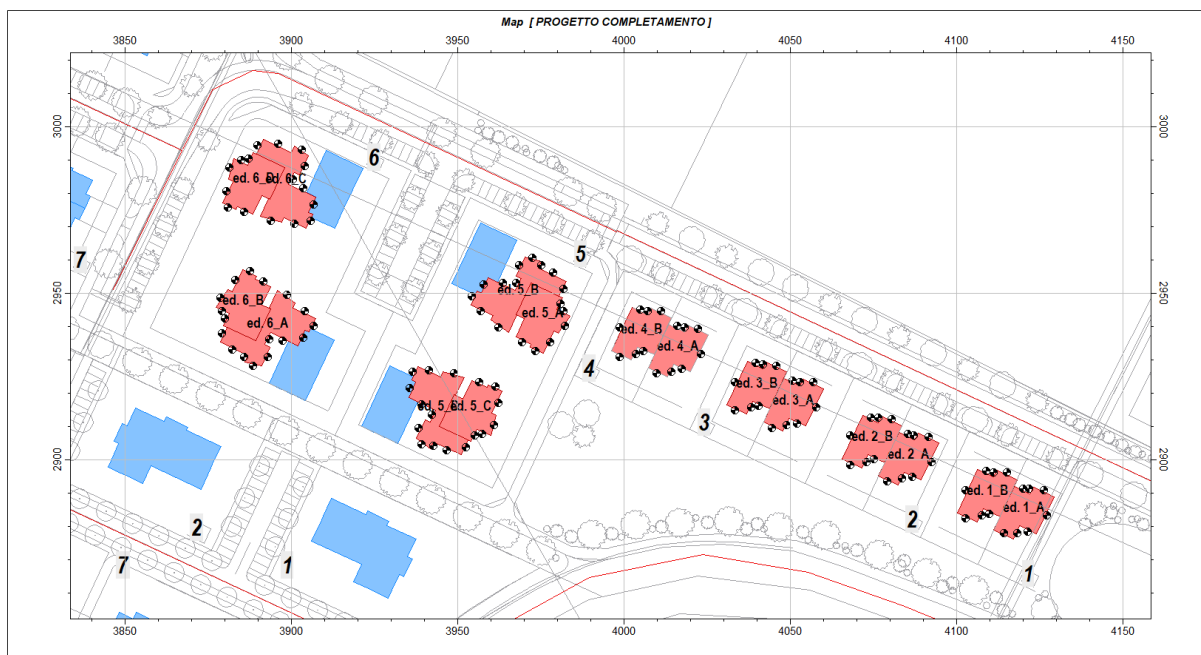


Estensione area su cui si effettuano gli approfondimenti di analisi

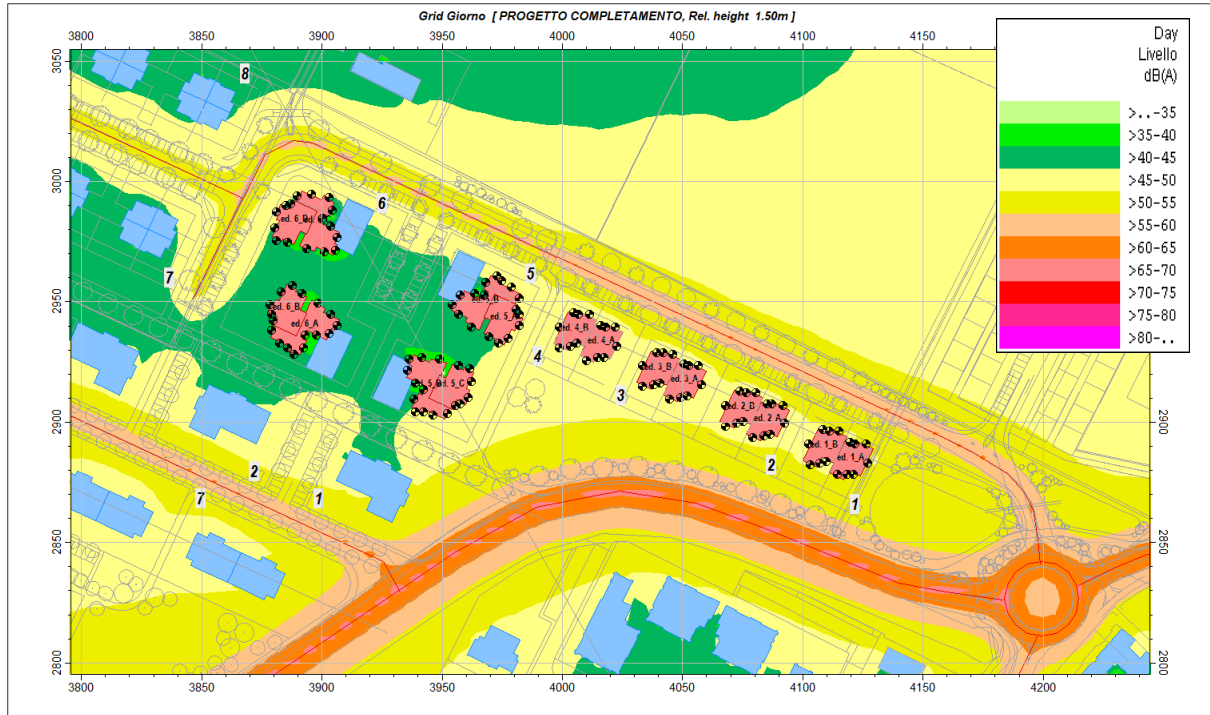
Sulla stessa area di approfondimento si ripropongono inoltre anche le mappe d'area, avendo verificato in sede di riverifica della modellazione ai fini della presente integrazione, come a livello modellistico fosse stato inizialmente considerata solo l'incidenza del traffico circolante sulla rete esterna, mentre era rimasto erroneamente "spento" il layer relativo ai carichi viari di progetto che, per quanto contenuti (29 auto come media oraria diurna e 6 in quella notturna, come indotti complessivi dell'intera urbanizzazione), vengono tuttavia a descrivere il carico viario circolante sulla viabilità interna di progetto, che corre sul fronte nord degli edifici oggetto del presente approfondimento d'analisi.

Illustriamo dunque di seguito le nuove mappe d'area, zoomate sull'area di interesse, relative all'indotto dell'intera rete viaria e relativo traffico, sia attuale che di progetto.

Successivamente, si illustrano infine gli esiti del calcolo puntuale ai recettori di facciata.



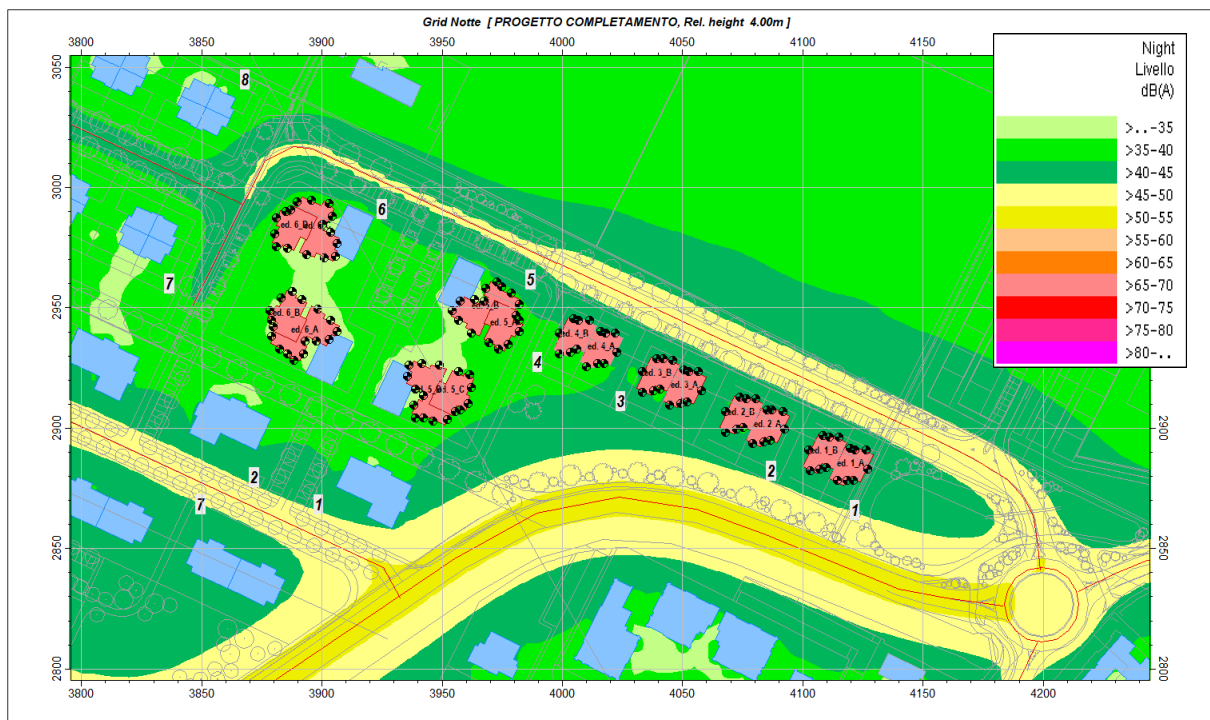
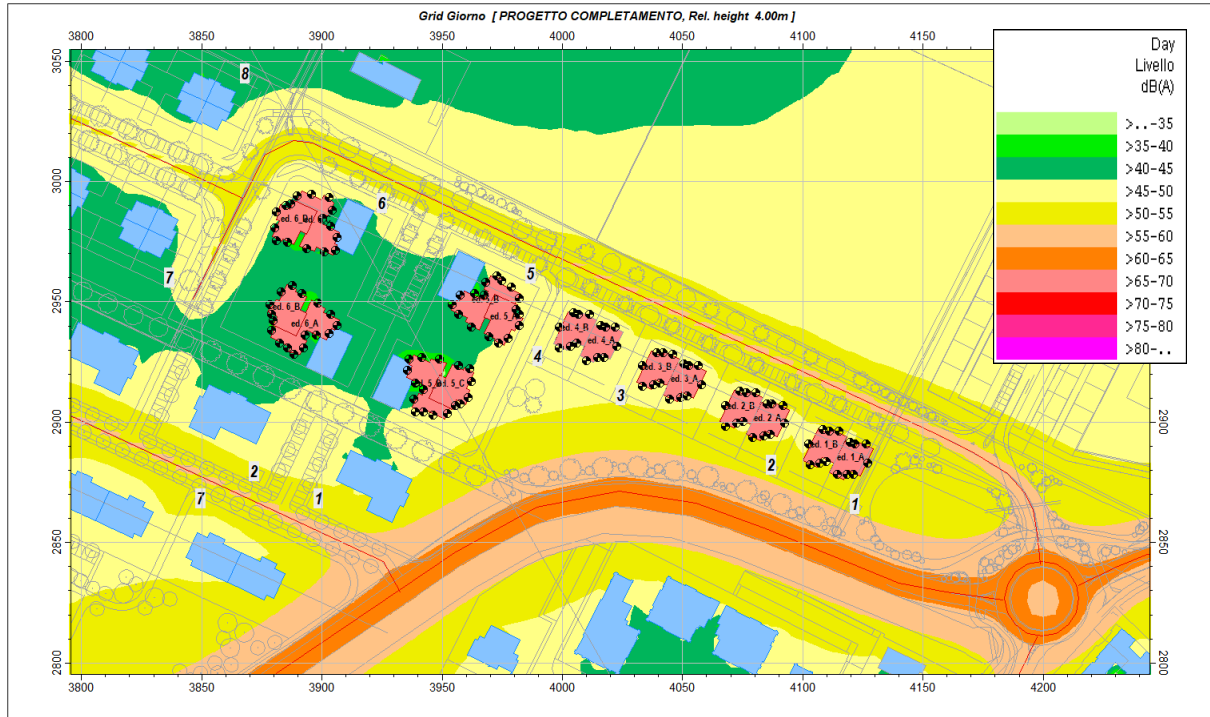
Localizzazione punti recettore in facciata agli edifici assoggettati a verifica



Griglie di calcolo per lo scenario di progetto finale, a 1,5m da terra:

periodo diurno in alto

periodo notturno in basso



Griglie di calcolo per lo scenario di progetto finale, a 4m da terra:

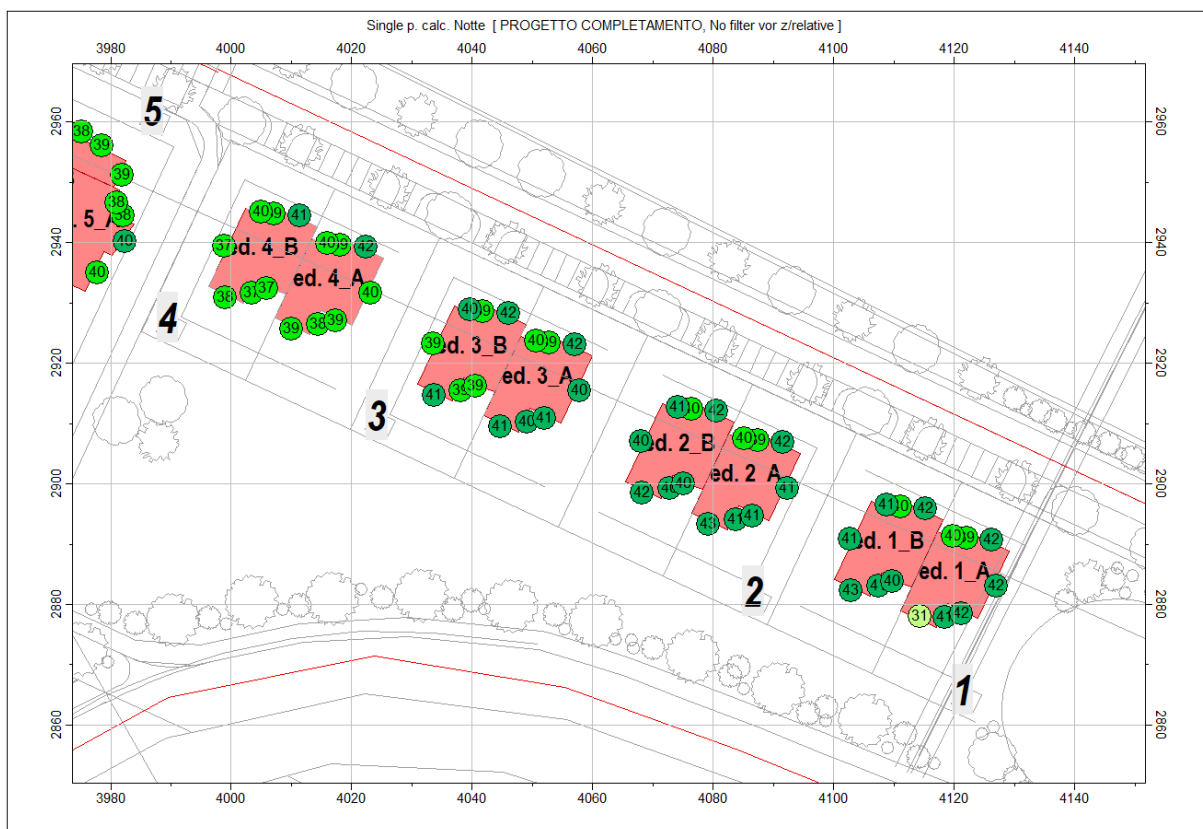
periodo diurno in alto

periodo notturno in basso

Di seguito gli esiti del calcolo ai recettori; per la lettura dei temi riportati in tabella:

- in 1^ colonna, l'indicatore automatico di identificazione del punto IPk... assegnato dal modello;
- in 2^ colonna l'identificazione dell'edificio (ed. 1_A, ecc.), il fronte di affaccio (indicatore numerico 1, 2, ecc.), il livello da terra (GF=PT; UF1=P1; UF2=P2; ecc.), l'orientamento geografico dell'affaccio;
- in 3^ colonna il limite diurno (60dBA per la classe III);
- in 4^ colonna l'esito del calcolo previsionale per il periodo diurno;
- in 5^ colonna il limite notturno (50dBA per la classe III);
- in 6^ colonna l'esito del calcolo previsionale per il periodo notturno.

A fronte del calcolo previsionale prodotto, **il punto di massima esposizione è relativo all'edificio 1_B, al secondo piano**, presso l'affaccio Sud-Ovest evidenziato anche nell'immagine sottostante (report di calcolo modellistico ai recettori di facciata ove si evidenzia numericamente il livello d'impatto sul punto più alto nella posizione trattata, per il periodo notturno), **dove si attende un livello d'impatto di periodo diurno di 52,5dBA e notturno di 43,2dBA.**



*Localizzazione punti bersaglio ed esito del calcolo di periodo notturno, per i piani più alti di tutti i fronti indagati
– Lotti da 1 a 4*

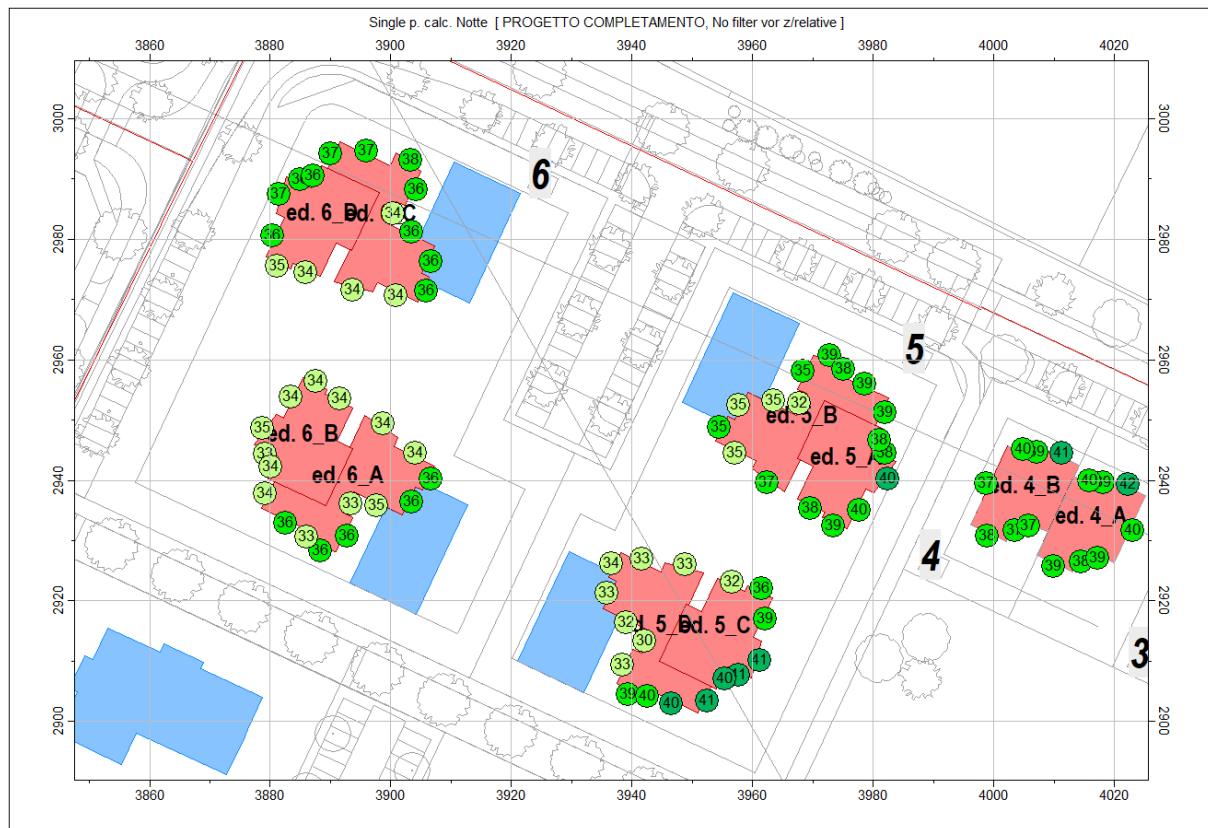
Short list		Point calculation			
Noise prediction					
PROGETTO COMPLETAMENTO		Setting: Reference setting			
		Giorno		Notte	
		LV	L r,A	LV	L r,A
		/dB	/dB	/dB	/dB
IPkt024	ed. 1_A 1 GF S/W	60.0	35.7	50.0	29.8
IPkt025	ed. 1_A 1 UF1S/W	60.0	35.8	50.0	28.1
IPkt026	ed. 1_A 1 UF2S/W	60.0	39.8	50.0	30.8
IPkt027	ed. 1_A 2 GF South	60.0	48.1	50.0	38.9
IPkt028	ed. 1_A 2 UF1South	60.0	49.7	50.0	40.3
IPkt029	ed. 1_A 2 UF2South	60.0	50.8	50.0	41.4
IPkt030	ed. 1_A 3 GF South	60.0	48.4	50.0	39.2
IPkt031	ed. 1_A 3 UF1South	60.0	50.0	50.0	40.6
IPkt032	ed. 1_A 3 UF2South	60.0	51.3	50.0	41.9
IPkt033	ed. 1_A 4 GF East	60.0	48.7	50.0	40.5
IPkt034	ed. 1_A 4 UF1East	60.0	49.5	50.0	40.9
IPkt035	ed. 1_A 4 UF2East	60.0	50.3	50.0	41.5
IPkt036	ed. 1_A 5 GF N/E	60.0	49.4	50.0	42.4
IPkt037	ed. 1_A 5 UF1N/E	60.0	49.3	50.0	42.1
IPkt038	ed. 1_A 5 UF2N/E	60.0	49.2	50.0	41.9
IPkt039	ed. 1_A 6 GF North	60.0	46.6	50.0	39.8
IPkt040	ed. 1_A 6 UF1North	60.0	46.5	50.0	39.6
IPkt041	ed. 1_A 6 UF2North	60.0	46.4	50.0	39.4
IPkt042	ed. 1_A 7 GF North	60.0	47.2	50.0	40.3
IPkt043	ed. 1_A 7 UF1North	60.0	47.1	50.0	40.1
IPkt044	ed. 1_A 7 UF2North	60.0	46.9	50.0	39.9
IPkt045	ed. 1_B 1 GF S/W	60.0	49.7	50.0	40.7
IPkt046	ed. 1_B 1 UF1S/W	60.0	51.4	50.0	42.2
IPkt047	ed. 1_B 1 UF2S/W	60.0	52.5	50.0	43.2
IPkt048	ed. 1_B 2 GF South	60.0	46.8	50.0	37.9
IPkt049	ed. 1_B 2 UF1South	60.0	48.7	50.0	39.5
IPkt050	ed. 1_B 2 UF2South	60.0	50.0	50.0	40.7
IPkt051	ed. 1_B 3 GF South	60.0	46.3	50.0	37.4
IPkt052	ed. 1_B 3 UF1South	60.0	48.2	50.0	39.0
IPkt053	ed. 1_B 3 UF2South	60.0	49.7	50.0	40.5
IPkt060	ed. 1_B 6 GF N/E	60.0	49.2	50.0	42.3
IPkt061	ed. 1_B 6 UF1N/E	60.0	49.1	50.0	42.0
IPkt062	ed. 1_B 6 UF2N/E	60.0	48.9	50.0	41.8
IPkt063	ed. 1_B 7 GF North	60.0	46.9	50.0	40.2
IPkt064	ed. 1_B 7 UF1North	60.0	46.8	50.0	39.9
IPkt065	ed. 1_B 7 UF2North	60.0	46.6	50.0	39.7
IPkt066	ed. 1_B 8 GF North	60.0	47.9	50.0	41.1
IPkt067	ed. 1_B 8 UF1North	60.0	47.8	50.0	40.9
IPkt068	ed. 1_B 8 UF2North	60.0	47.7	50.0	40.7
IPkt069	ed. 1_B 9 GF West	60.0	47.7	50.0	39.7

Short list		Point calculation			
Noise prediction					
PROGETTO COMPLETAMENTO		Setting: Reference setting			
		Giorno		Notte	
		LV	L r,A	LV	L r,A
		/dB	/dB	/dB	/dB
IPkt070	ed. 1_B 9 UF1West	60.0	48.5	50.0	40.1
IPkt071	ed. 1_B 9 UF2West	60.0	49.4	50.0	40.8
IPkt072	ed. 2_A 1 GF S/W	60.0	49.3	50.0	40.3
IPkt073	ed. 2_A 1 UF1S/W	60.0	50.8	50.0	41.6
IPkt074	ed. 2_A 1 UF2S/W	60.0	52.0	50.0	42.7
IPkt075	ed. 2_A 2 GF South	60.0	47.0	50.0	38.1
IPkt076	ed. 2_A 2 UF1South	60.0	48.6	50.0	39.4
IPkt077	ed. 2_A 2 UF2South	60.0	50.0	50.0	40.8
IPkt078	ed. 2_A 3 GF South	60.0	47.7	50.0	38.8
IPkt079	ed. 2_A 3 UF1South	60.0	49.3	50.0	40.1
IPkt080	ed. 2_A 3 UF2South	60.0	50.7	50.0	41.5
IPkt081	ed. 2_A 4 GF East	60.0	47.4	50.0	39.7
IPkt082	ed. 2_A 4 UF1East	60.0	48.1	50.0	40.1
IPkt083	ed. 2_A 4 UF2East	60.0	49.0	50.0	40.6
IPkt084	ed. 2_A 5 GF N/E	60.0	49.1	50.0	42.3
IPkt085	ed. 2_A 5 UF1N/E	60.0	49.0	50.0	42.0
IPkt086	ed. 2_A 5 UF2N/E	60.0	48.8	50.0	41.8
IPkt087	ed. 2_A 6 GF North	60.0	46.6	50.0	39.8
IPkt088	ed. 2_A 6 UF1North	60.0	46.4	50.0	39.6
IPkt089	ed. 2_A 6 UF2North	60.0	46.3	50.0	39.3
IPkt090	ed. 2_A 7 GF North	60.0	47.1	50.0	40.3
IPkt091	ed. 2_A 7 UF1North	60.0	47.0	50.0	40.1
IPkt092	ed. 2_A 7 UF2North	60.0	46.9	50.0	39.8
IPkt096	ed. 2_B 1 GF S/W	60.0	49.0	50.0	40.1
IPkt097	ed. 2_B 1 UF1S/W	60.0	50.4	50.0	41.3
IPkt098	ed. 2_B 1 UF2S/W	60.0	51.6	50.0	42.4
IPkt099	ed. 2_B 2 GF South	60.0	46.4	50.0	37.6
IPkt100	ed. 2_B 2 UF1South	60.0	48.1	50.0	38.9
IPkt101	ed. 2_B 2 UF2South	60.0	49.6	50.0	40.3
IPkt102	ed. 2_B 3 GF South	60.0	46.2	50.0	37.4
IPkt103	ed. 2_B 3 UF1South	60.0	47.8	50.0	38.6
IPkt104	ed. 2_B 3 UF2South	60.0	49.4	50.0	40.1
IPkt111	ed. 2_B 6 GF N/E	60.0	49.1	50.0	42.2
IPkt112	ed. 2_B 6 UF1N/E	60.0	49.0	50.0	42.0
IPkt113	ed. 2_B 6 UF2N/E	60.0	48.8	50.0	41.7
IPkt114	ed. 2_B 7 GF North	60.0	46.8	50.0	40.1
IPkt115	ed. 2_B 7 UF1North	60.0	46.6	50.0	39.8
IPkt116	ed. 2_B 7 UF2North	60.0	46.5	50.0	39.5
IPkt117	ed. 2_B 8 GF North	60.0	47.8	50.0	41.0
IPkt118	ed. 2_B 8 UF1North	60.0	47.7	50.0	40.8

Short list		Point calculation			
Noise prediction					
PROGETTO COMPLETAMENTO		Setting: Reference setting			
		Giorno		Notte	
		LV	L r,A	LV	L r,A
		/dB	/dB	/dB	/dB
IPkt119	ed. 2_B 8 UF2North	60.0	47.6	50.0	40.6
IPkt120	ed. 2_B 9 GF West	60.0	47.1	50.0	39.3
IPkt121	ed. 2_B 9 UF1West	60.0	47.7	50.0	39.5
IPkt122	ed. 2_B 9 UF2West	60.0	48.4	50.0	40.0
IPkt123	ed. 3_A 1 GF S/W	60.0	48.2	50.0	39.4
IPkt124	ed. 3_A 1 UF1S/W	60.0	49.3	50.0	40.3
IPkt125	ed. 3_A 1 UF2S/W	60.0	50.5	50.0	41.3
IPkt126	ed. 3_A 2 GF South	60.0	46.7	50.0	37.9
IPkt127	ed. 3_A 2 UF1South	60.0	47.9	50.0	38.8
IPkt128	ed. 3_A 2 UF2South	60.0	49.2	50.0	40.0
IPkt129	ed. 3_A 3 GF South	60.0	47.7	50.0	38.9
IPkt130	ed. 3_A 3 UF1South	60.0	48.7	50.0	39.7
IPkt131	ed. 3_A 3 UF2South	60.0	49.9	50.0	40.7
IPkt132	ed. 3_A 4 GF East	60.0	47.3	50.0	39.7
IPkt133	ed. 3_A 4 UF1East	60.0	47.9	50.0	39.9
IPkt134	ed. 3_A 4 UF2East	60.0	48.6	50.0	40.4
IPkt135	ed. 3_A 5 GF N/E	60.0	49.0	50.0	42.2
IPkt136	ed. 3_A 5 UF1N/E	60.0	48.9	50.0	42.0
IPkt137	ed. 3_A 5 UF2N/E	60.0	48.7	50.0	41.7
IPkt138	ed. 3_A 6 GF North	60.0	46.5	50.0	39.8
IPkt139	ed. 3_A 6 UF1North	60.0	46.4	50.0	39.5
IPkt140	ed. 3_A 6 UF2North	60.0	46.2	50.0	39.3
IPkt141	ed. 3_A 7 GF North	60.0	47.1	50.0	40.2
IPkt142	ed. 3_A 7 UF1North	60.0	47.0	50.0	40.0
IPkt143	ed. 3_A 7 UF2North	60.0	46.8	50.0	39.8
IPkt147	ed. 3_B 1 GF S/W	60.0	47.7	50.0	39.0
IPkt148	ed. 3_B 1 UF1S/W	60.0	48.7	50.0	39.7
IPkt149	ed. 3_B 1 UF2S/W	60.0	49.7	50.0	40.6
IPkt150	ed. 3_B 2 GF South	60.0	45.9	50.0	37.1
IPkt151	ed. 3_B 2 UF1South	60.0	47.1	50.0	38.0
IPkt152	ed. 3_B 2 UF2South	60.0	48.3	50.0	39.2
IPkt153	ed. 3_B 3 GF South	60.0	46.0	50.0	37.2
IPkt154	ed. 3_B 3 UF1South	60.0	47.0	50.0	37.9
IPkt155	ed. 3_B 3 UF2South	60.0	48.1	50.0	38.9
IPkt162	ed. 3_B 6 GF N/E	60.0	49.0	50.0	42.2
IPkt163	ed. 3_B 6 UF1N/E	60.0	48.8	50.0	41.9
IPkt164	ed. 3_B 6 UF2N/E	60.0	48.6	50.0	41.6
IPkt165	ed. 3_B 7 GF North	60.0	46.6	50.0	39.9
IPkt166	ed. 3_B 7 UF1North	60.0	46.4	50.0	39.6
IPkt167	ed. 3_B 7 UF2North	60.0	46.3	50.0	39.4

Short list		Point calculation			
Noise prediction					
PROGETTO COMPLETAMENTO		Setting: Reference setting			
		Giorno		Notte	
		LV	L r,A	LV	L r,A
		/dB	/dB	/dB	/dB
IPkt168	ed. 3_B 8 GF North	60.0	47.7	50.0	40.9
IPkt169	ed. 3_B 8 UF1North	60.0	47.5	50.0	40.7
IPkt170	ed. 3_B 8 UF2North	60.0	47.4	50.0	40.4
IPkt171	ed. 3_B 9 GF West	60.0	46.1	50.0	38.6
IPkt172	ed. 3_B 9 UF1West	60.0	46.4	50.0	38.6
IPkt173	ed. 3_B 9 UF2West	60.0	46.8	50.0	38.8
IPkt174	ed. 4_A 1 GF S/W	60.0	46.4	50.0	37.9
IPkt175	ed. 4_A 1 UF1S/W	60.0	47.2	50.0	38.4
IPkt176	ed. 4_A 1 UF2S/W	60.0	48.0	50.0	39.0
IPkt177	ed. 4_A 2 GF South	60.0	45.6	50.0	37.0
IPkt178	ed. 4_A 2 UF1South	60.0	46.5	50.0	37.5
IPkt179	ed. 4_A 2 UF2South	60.0	47.5	50.0	38.4
IPkt180	ed. 4_A 3 GF South	60.0	46.2	50.0	37.6
IPkt181	ed. 4_A 3 UF1South	60.0	46.9	50.0	38.0
IPkt182	ed. 4_A 3 UF2South	60.0	47.8	50.0	38.8
IPkt183	ed. 4_A 4 GF East	60.0	46.9	50.0	39.4
IPkt184	ed. 4_A 4 UF1East	60.0	47.3	50.0	39.5
IPkt185	ed. 4_A 4 UF2East	60.0	47.8	50.0	39.8
IPkt186	ed. 4_A 5 GF N/E	60.0	48.9	50.0	42.1
IPkt187	ed. 4_A 5 UF1N/E	60.0	48.7	50.0	41.8
IPkt188	ed. 4_A 5 UF2N/E	60.0	48.5	50.0	41.5
IPkt189	ed. 4_A 6 GF North	60.0	46.2	50.0	39.4
IPkt190	ed. 4_A 6 UF1North	60.0	46.0	50.0	39.2
IPkt191	ed. 4_A 6 UF2North	60.0	45.8	50.0	38.9
IPkt192	ed. 4_A 7 GF North	60.0	47.0	50.0	40.2
IPkt193	ed. 4_A 7 UF1North	60.0	46.9	50.0	40.0
IPkt194	ed. 4_A 7 UF2North	60.0	46.7	50.0	39.7
IPkt198	ed. 4_B 1 GF S/W	60.0	45.8	50.0	37.4
IPkt199	ed. 4_B 1 UF1S/W	60.0	46.4	50.0	37.7
IPkt200	ed. 4_B 1 UF2S/W	60.0	47.2	50.0	38.3
IPkt201	ed. 4_B 2 GF South	60.0	44.7	50.0	36.2
IPkt202	ed. 4_B 2 UF1South	60.0	45.4	50.0	36.5
IPkt203	ed. 4_B 2 UF2South	60.0	46.4	50.0	37.3
IPkt204	ed. 4_B 3 GF South	60.0	44.1	50.0	35.7
IPkt205	ed. 4_B 3 UF1South	60.0	44.7	50.0	35.9
IPkt206	ed. 4_B 3 UF2South	60.0	45.6	50.0	36.6
IPkt213	ed. 4_B 6 GF N/E	60.0	48.7	50.0	41.9
IPkt214	ed. 4_B 6 UF1N/E	60.0	48.6	50.0	41.7
IPkt215	ed. 4_B 6 UF2N/E	60.0	48.3	50.0	41.4
IPkt216	ed. 4_B 7 GF North	60.0	46.0	50.0	39.4

Short list		Point calculation			
Noise prediction					
PROGETTO COMPLETAMENTO		Setting: Reference setting			
		Giorno		Notte	
		LV	L r,A	LV	L r,A
		/dB	/dB	/dB	/dB
IPkt217	ed. 4_B 7 UF1North	60.0	45.8	50.0	39.1
IPkt218	ed. 4_B 7 UF2North	60.0	45.6	50.0	38.8
IPkt219	ed. 4_B 8 GF North	60.0	47.2	50.0	40.5
IPkt220	ed. 4_B 8 UF1North	60.0	47.0	50.0	40.2
IPkt221	ed. 4_B 8 UF2North	60.0	46.8	50.0	40.0
IPkt222	ed. 4_B 9 GF West	60.0	44.5	50.0	37.6
IPkt223	ed. 4_B 9 UF1West	60.0	44.6	50.0	37.3
IPkt224	ed. 4_B 9 UF2West	60.0	44.8	50.0	37.3



*Localizzazione punti bersaglio ed esito del calcolo di periodo notturno, per i piani più alti di tutti i fronti indagati
– Lotti da 5 a 6*

Short list		Point calculation			
Noise prediction					
PROGETTO COMPLETAMENTO		Setting: Reference setting			
		Giorno		Notte	
		LV	L r,A	LV	L r,A
		/dB	/dB	/dB	/dB
IPkt261	ed. 5_A 1 GF East	60.0	46.2	50.0	38.4
IPkt262	ed. 5_A 1 UF1East	60.0	46.6	50.0	38.4
IPkt263	ed. 5_A 1 UF2East	60.0	47.1	50.0	38.7
IPkt264	ed. 5_A 1 UF3East	60.0	47.7	50.0	39.1
IPkt265	ed. 5_A 1 UF4East	60.0	48.1	50.0	39.5
IPkt266	ed. 5_A 1 UF5East	60.0	48.6	50.0	40.0
IPkt267	ed. 5_A 2 GF East	60.0	44.1	50.0	37.2
IPkt268	ed. 5_A 2 UF1East	60.0	44.1	50.0	37.0
IPkt269	ed. 5_A 2 UF2East	60.0	44.3	50.0	36.9
IPkt270	ed. 5_A 2 UF3East	60.0	44.8	50.0	37.1
IPkt271	ed. 5_A 2 UF4East	60.0	45.0	50.0	37.4
IPkt272	ed. 5_A 2 UF5East	60.0	45.4	50.0	37.6
IPkt273	ed. 5_A 3 GF N/E	60.0	44.5	50.0	37.5
IPkt274	ed. 5_A 3 UF1N/E	60.0	44.6	50.0	37.3
IPkt275	ed. 5_A 3 UF2N/E	60.0	44.8	50.0	37.3
IPkt276	ed. 5_A 3 UF3N/E	60.0	45.4	50.0	37.6
IPkt277	ed. 5_A 3 UF4N/E	60.0	45.6	50.0	37.9
IPkt278	ed. 5_A 3 UF5N/E	60.0	46.0	50.0	38.0
IPkt303	ed. 5_A 8 GF S/W	60.0	43.5	50.0	35.5
IPkt304	ed. 5_A 8 UF1S/W	60.0	44.2	50.0	35.7
IPkt305	ed. 5_A 8 UF2S/W	60.0	44.9	50.0	36.2
IPkt306	ed. 5_A 8 UF3S/W	60.0	45.5	50.0	36.7
IPkt307	ed. 5_A 8 UF4S/W	60.0	46.2	50.0	37.3
IPkt308	ed. 5_A 8 UF5S/W	60.0	47.0	50.0	37.9
IPkt315	ed. 5_A 10 GF South	60.0	44.9	50.0	36.7
IPkt316	ed. 5_A 10 UF1South	60.0	45.5	50.0	36.9
IPkt317	ed. 5_A 10 UF2South	60.0	46.2	50.0	37.4
IPkt318	ed. 5_A 10 UF3South	60.0	46.9	50.0	37.9
IPkt319	ed. 5_A 10 UF4South	60.0	47.5	50.0	38.4
IPkt320	ed. 5_A 10 UF5South	60.0	48.1	50.0	39.0
IPkt321	ed. 5_A 11 GF South	60.0	45.7	50.0	37.6
IPkt322	ed. 5_A 11 UF1South	60.0	46.2	50.0	37.7
IPkt323	ed. 5_A 11 UF2South	60.0	46.9	50.0	38.2
IPkt324	ed. 5_A 11 UF3South	60.0	47.5	50.0	38.7
IPkt325	ed. 5_A 11 UF4South	60.0	48.0	50.0	39.1
IPkt326	ed. 5_A 11 UF5South	60.0	48.5	50.0	39.6
IPkt357	ed. 5_B 5 GF S/W	60.0	42.2	50.0	34.6
IPkt358	ed. 5_B 5 UF1S/W	60.0	42.8	50.0	34.6
IPkt359	ed. 5_B 5 UF2S/W	60.0	43.4	50.0	34.9
IPkt360	ed. 5_B 5 UF3S/W	60.0	44.0	50.0	35.3

Short list		Point calculation			
Noise prediction					
PROGETTO COMPLETAMENTO		Setting: Reference setting			
		Giorno		Notte	
		LV	L r,A	LV	L r,A
		/dB	/dB	/dB	/dB
IPkt361	ed. 5_B 5 UF4S/W	60.0	44.7	50.0	35.9
IPkt362	ed. 5_B 5 UF5S/W	60.0	45.5	50.0	36.6
IPkt369	ed. 5_B 7 GF S/W	60.0	40.0	50.0	33.2
IPkt370	ed. 5_B 7 UF1S/W	60.0	40.6	50.0	33.1
IPkt371	ed. 5_B 7 UF2S/W	60.0	41.2	50.0	33.3
IPkt372	ed. 5_B 7 UF3S/W	60.0	41.8	50.0	33.6
IPkt373	ed. 5_B 7 UF4S/W	60.0	42.5	50.0	34.0
IPkt374	ed. 5_B 7 UF5S/W	60.0	43.5	50.0	34.8
IPkt375	ed. 5_B 8 GF West	60.0	34.8	50.0	30.3
IPkt376	ed. 5_B 8 UF1West	60.0	38.8	50.0	32.6
IPkt377	ed. 5_B 8 UF2West	60.0	40.6	50.0	34.1
IPkt378	ed. 5_B 8 UF3West	60.0	41.5	50.0	34.8
IPkt379	ed. 5_B 8 UF4West	60.0	41.7	50.0	34.9
IPkt380	ed. 5_B 8 UF5West	60.0	42.2	50.0	35.1
IPkt387	ed. 5_B 10 GF West	60.0	35.1	50.0	30.3
IPkt388	ed. 5_B 10 UF1West	60.0	38.5	50.0	31.9
IPkt389	ed. 5_B 10 UF2West	60.0	40.6	50.0	34.0
IPkt390	ed. 5_B 10 UF3West	60.0	41.5	50.0	34.9
IPkt391	ed. 5_B 10 UF4West	60.0	41.6	50.0	34.9
IPkt392	ed. 5_B 10 UF5West	60.0	42.0	50.0	35.0
IPkt393	ed. 5_B 11 GF N/W	60.0	38.0	50.0	31.7
IPkt394	ed. 5_B 11 UF1N/W	60.0	39.0	50.0	32.3
IPkt395	ed. 5_B 11 UF2N/W	60.0	40.8	50.0	34.2
IPkt396	ed. 5_B 11 UF3N/W	60.0	41.4	50.0	34.7
IPkt397	ed. 5_B 11 UF4N/W	60.0	41.3	50.0	34.6
IPkt398	ed. 5_B 11 UF5N/W	60.0	41.5	50.0	34.6
IPkt399	ed. 5_B 12 GF N/E	60.0	31.8	50.0	27.6
IPkt400	ed. 5_B 12 UF1N/E	60.0	33.7	50.0	28.0
IPkt401	ed. 5_B 12 UF2N/E	60.0	37.6	50.0	31.3
IPkt402	ed. 5_B 12 UF3N/E	60.0	38.0	50.0	31.7
IPkt403	ed. 5_B 12 UF4N/E	60.0	37.9	50.0	31.7
IPkt404	ed. 5_B 12 UF5N/E	60.0	38.4	50.0	31.8
IPkt411	ed. 5_B 14 GF North	60.0	40.0	50.0	33.9
IPkt412	ed. 5_B 14 UF1North	60.0	40.6	50.0	34.1
IPkt413	ed. 5_B 14 UF2North	60.0	42.2	50.0	35.6
IPkt414	ed. 5_B 14 UF3North	60.0	42.1	50.0	35.5
IPkt415	ed. 5_B 14 UF4North	60.0	42.1	50.0	35.3
IPkt416	ed. 5_B 14 UF5North	60.0	42.3	50.0	35.4
IPkt417	ed. 5_B 15 GF N/E	60.0	46.6	50.0	39.9
IPkt418	ed. 5_B 15 UF1N/E	60.0	46.6	50.0	39.8

09/02/2022	Proposta di urbanizzazione a fini residenziali, a completamento dell'ambito ANS C2.1, in via de Coubertin – Castenaso (BO)	Rev. 1
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Short list		Point calculation			
Noise prediction					
PROGETTO COMPLETAMENTO		Setting: Reference setting			
		Giorno		Notte	
		LV	L r,A	LV	L r,A
		/dB	/dB	/dB	/dB
IPkt419	ed. 5_B 15 UF2N/E	60.0	46.5	50.0	39.6
IPkt420	ed. 5_B 15 UF3N/E	60.0	46.3	50.0	39.4
IPkt421	ed. 5_B 15 UF4N/E	60.0	46.1	50.0	39.1
IPkt422	ed. 5_B 15 UF5N/E	60.0	45.9	50.0	38.8
IPkt423	ed. 5_B 16 GF N/E	60.0	45.6	50.0	38.8
IPkt424	ed. 5_B 16 UF1N/E	60.0	45.5	50.0	38.5
IPkt425	ed. 5_B 16 UF2N/E	60.0	45.4	50.0	38.3
IPkt426	ed. 5_B 16 UF3N/E	60.0	45.3	50.0	38.1
IPkt427	ed. 5_B 16 UF4N/E	60.0	45.2	50.0	37.9
IPkt428	ed. 5_B 16 UF5N/E	60.0	45.1	50.0	37.7
IPkt429	ed. 5_B 17 GF N/E	60.0	46.4	50.0	39.8
IPkt430	ed. 5_B 17 UF1N/E	60.0	46.4	50.0	39.5
IPkt431	ed. 5_B 17 UF2N/E	60.0	46.3	50.0	39.3
IPkt432	ed. 5_B 17 UF3N/E	60.0	46.1	50.0	39.1
IPkt433	ed. 5_B 17 UF4N/E	60.0	46.0	50.0	38.9
IPkt434	ed. 5_B 17 UF5N/E	60.0	45.9	50.0	38.7
IPkt435	ed. 5_B 18 GF East	60.0	45.5	50.0	38.6
IPkt436	ed. 5_B 18 UF1East	60.0	45.6	50.0	38.4
IPkt437	ed. 5_B 18 UF2East	60.0	45.8	50.0	38.4
IPkt438	ed. 5_B 18 UF3East	60.0	46.4	50.0	38.7
IPkt439	ed. 5_B 18 UF4East	60.0	46.7	50.0	38.8
IPkt440	ed. 5_B 18 UF5East	60.0	47.0	50.0	38.9
IPkt441	ed. 5_C 1 GF S/E	60.0	46.5	50.0	38.0
IPkt442	ed. 5_C 1 UF1S/E	60.0	47.4	50.0	38.5
IPkt443	ed. 5_C 1 UF2S/E	60.0	48.3	50.0	39.3
IPkt444	ed. 5_C 1 UF3S/E	60.0	49.1	50.0	40.0
IPkt445	ed. 5_C 1 UF4S/E	60.0	49.6	50.0	40.4
IPkt446	ed. 5_C 1 UF5S/E	60.0	49.8	50.0	40.6
IPkt447	ed. 5_C 2 GF S/E	60.0	46.5	50.0	37.8
IPkt448	ed. 5_C 2 UF1S/E	60.0	47.4	50.0	38.4
IPkt449	ed. 5_C 2 UF2S/E	60.0	48.3	50.0	39.1
IPkt450	ed. 5_C 2 UF3S/E	60.0	49.1	50.0	39.9
IPkt451	ed. 5_C 2 UF4S/E	60.0	49.6	50.0	40.4
IPkt452	ed. 5_C 2 UF5S/E	60.0	49.8	50.0	40.6
IPkt453	ed. 5_C 3 GF South	60.0	46.4	50.0	37.8
IPkt454	ed. 5_C 3 UF1South	60.0	47.3	50.0	38.3
IPkt455	ed. 5_C 3 UF2South	60.0	48.2	50.0	39.1
IPkt456	ed. 5_C 3 UF3South	60.0	49.0	50.0	39.8
IPkt457	ed. 5_C 3 UF4South	60.0	49.5	50.0	40.3
IPkt458	ed. 5_C 3 UF5South	60.0	49.7	50.0	40.5

Short list		Point calculation			
Noise prediction					
PROGETTO COMPLETAMENTO		Setting: Reference setting			
		Giorno		Notte	
		LV	L r,A	LV	L r,A
		/dB	/dB	/dB	/dB
IPkt483	ed. 5_C 8 GF North	60.0	37.3	50.0	32.2
IPkt484	ed. 5_C 8 UF1North	60.0	37.5	50.0	31.3
IPkt485	ed. 5_C 8 UF2North	60.0	38.3	50.0	31.5
IPkt486	ed. 5_C 8 UF3North	60.0	38.8	50.0	31.6
IPkt487	ed. 5_C 8 UF4North	60.0	39.2	50.0	31.7
IPkt488	ed. 5_C 8 UF5North	60.0	40.4	50.0	32.5
IPkt495	ed. 5_C 10 GF N/E	60.0	41.8	50.0	34.6
IPkt496	ed. 5_C 10 UF1N/E	60.0	42.3	50.0	34.3
IPkt497	ed. 5_C 10 UF2N/E	60.0	42.9	50.0	34.6
IPkt498	ed. 5_C 10 UF3N/E	60.0	43.4	50.0	34.9
IPkt499	ed. 5_C 10 UF4N/E	60.0	43.9	50.0	35.2
IPkt500	ed. 5_C 10 UF5N/E	60.0	44.5	50.0	35.7
IPkt501	ed. 5_C 11 GF East	60.0	45.3	50.0	36.9
IPkt502	ed. 5_C 11 UF1East	60.0	46.1	50.0	37.4
IPkt503	ed. 5_C 11 UF2East	60.0	47.0	50.0	38.0
IPkt504	ed. 5_C 11 UF3East	60.0	47.7	50.0	38.7
IPkt505	ed. 5_C 11 UF4East	60.0	48.4	50.0	39.2
IPkt506	ed. 5_C 11 UF5East	60.0	48.6	50.0	39.5
IPkt537	ed. 5_D 5 GF N/E	60.0	38.0	50.0	32.8
IPkt538	ed. 5_D 5 UF1N/E	60.0	38.2	50.0	32.0
IPkt539	ed. 5_D 5 UF2N/E	60.0	38.8	50.0	32.0
IPkt540	ed. 5_D 5 UF3N/E	60.0	39.2	50.0	32.1
IPkt541	ed. 5_D 5 UF4N/E	60.0	39.5	50.0	32.2
IPkt542	ed. 5_D 5 UF5N/E	60.0	40.7	50.0	32.9
IPkt549	ed. 5_D 7 GF North	60.0	38.0	50.0	32.8
IPkt550	ed. 5_D 7 UF1North	60.0	38.1	50.0	32.1
IPkt551	ed. 5_D 7 UF2North	60.0	38.3	50.0	32.0
IPkt552	ed. 5_D 7 UF3North	60.0	38.5	50.0	31.9
IPkt553	ed. 5_D 7 UF4North	60.0	38.9	50.0	32.1
IPkt554	ed. 5_D 7 UF5North	60.0	40.3	50.0	32.9
IPkt555	ed. 5_D 8 GF N/W	60.0	38.0	50.0	32.2
IPkt556	ed. 5_D 8 UF1N/W	60.0	39.4	50.0	33.0
IPkt557	ed. 5_D 8 UF2N/W	60.0	40.1	50.0	33.5
IPkt558	ed. 5_D 8 UF3N/W	60.0	40.5	50.0	33.7
IPkt559	ed. 5_D 8 UF4N/W	60.0	41.1	50.0	34.0
IPkt560	ed. 5_D 8 UF5N/W	60.0	41.8	50.0	34.4
IPkt567	ed. 5_D 10 GF N/W	60.0	32.6	50.0	29.4
IPkt568	ed. 5_D 10 UF1N/W	60.0	37.4	50.0	31.2
IPkt569	ed. 5_D 10 UF2N/W	60.0	38.6	50.0	32.1
IPkt570	ed. 5_D 10 UF3N/W	60.0	39.0	50.0	32.4

Short list		Point calculation			
Noise prediction					
PROGETTO COMPLETAMENTO		Setting: Reference setting			
		Giorno		Notte	
		LV	L r,A	LV	L r,A
		/dB	/dB	/dB	/dB
IPkt571	ed. 5_D 10 UF4N/W	60.0	39.7	50.0	32.7
IPkt572	ed. 5_D 10 UF5N/W	60.0	40.7	50.0	33.4
IPkt573	ed. 5_D 11 GF West	60.0	33.3	50.0	28.4
IPkt574	ed. 5_D 11 UF1West	60.0	35.7	50.0	29.3
IPkt575	ed. 5_D 11 UF2West	60.0	37.2	50.0	30.4
IPkt576	ed. 5_D 11 UF3West	60.0	37.7	50.0	30.7
IPkt577	ed. 5_D 11 UF4West	60.0	38.6	50.0	31.2
IPkt578	ed. 5_D 11 UF5West	60.0	40.1	50.0	32.2
IPkt579	ed. 5_D 12 GF S/W	60.0	31.9	50.0	27.2
IPkt580	ed. 5_D 12 UF1S/W	60.0	33.8	50.0	27.4
IPkt581	ed. 5_D 12 UF2S/W	60.0	35.1	50.0	28.3
IPkt582	ed. 5_D 12 UF3S/W	60.0	35.5	50.0	28.6
IPkt583	ed. 5_D 12 UF4S/W	60.0	36.5	50.0	29.2
IPkt584	ed. 5_D 12 UF5S/W	60.0	38.0	50.0	30.2
IPkt591	ed. 5_D 14 GF S/W	60.0	34.8	50.0	29.8
IPkt592	ed. 5_D 14 UF1S/W	60.0	36.4	50.0	30.1
IPkt593	ed. 5_D 14 UF2S/W	60.0	37.6	50.0	30.9
IPkt594	ed. 5_D 14 UF3S/W	60.0	38.1	50.0	31.3
IPkt595	ed. 5_D 14 UF4S/W	60.0	39.0	50.0	31.8
IPkt596	ed. 5_D 14 UF5S/W	60.0	40.4	50.0	32.7
IPkt597	ed. 5_D 15 GF South	60.0	44.5	50.0	36.5
IPkt598	ed. 5_D 15 UF1South	60.0	45.4	50.0	36.8
IPkt599	ed. 5_D 15 UF2South	60.0	46.3	50.0	37.5
IPkt600	ed. 5_D 15 UF3South	60.0	47.1	50.0	38.2
IPkt601	ed. 5_D 15 UF4South	60.0	47.8	50.0	38.8
IPkt602	ed. 5_D 15 UF5South	60.0	48.1	50.0	39.1
IPkt603	ed. 5_D 16 GF South	60.0	45.3	50.0	36.7
IPkt604	ed. 5_D 16 UF1South	60.0	46.2	50.0	37.3
IPkt605	ed. 5_D 16 UF2South	60.0	47.1	50.0	38.0
IPkt606	ed. 5_D 16 UF3South	60.0	47.9	50.0	38.8
IPkt607	ed. 5_D 16 UF4South	60.0	48.5	50.0	39.3
IPkt608	ed. 5_D 16 UF5South	60.0	48.8	50.0	39.6
IPkt609	ed. 5_D 17 GF South	60.0	45.9	50.0	37.6
IPkt610	ed. 5_D 17 UF1South	60.0	46.8	50.0	38.0
IPkt611	ed. 5_D 17 UF2South	60.0	47.7	50.0	38.8
IPkt612	ed. 5_D 17 UF3South	60.0	48.6	50.0	39.6
IPkt613	ed. 5_D 17 UF4South	60.0	49.2	50.0	40.0
IPkt614	ed. 5_D 17 UF5South	60.0	49.4	50.0	40.3
IPkt615	ed. 5_D 18 GF S/E	60.0	46.7	50.0	38.0
IPkt616	ed. 5_D 18 UF1S/E	60.0	47.6	50.0	38.7

Short list		Point calculation			
Noise prediction					
PROGETTO COMPLETAMENTO		Setting: Reference setting			
		Giorno		Notte	
		LV	L r,A	LV	L r,A
		/dB	/dB	/dB	/dB
IPkt617	ed. 5_D 18 UF2S/E	60.0	48.6	50.0	39.5
IPkt618	ed. 5_D 18 UF3S/E	60.0	49.4	50.0	40.2
IPkt619	ed. 5_D 18 UF4S/E	60.0	49.8	50.0	40.6
IPkt620	ed. 5_D 18 UF5S/E	60.0	50.0	50.0	40.8
IPkt645	ed. 6_A 5 GF N/E	60.0	40.6	50.0	34.1
IPkt646	ed. 6_A 5 UF1N/E	60.0	40.8	50.0	33.6
IPkt647	ed. 6_A 5 UF2N/E	60.0	41.0	50.0	33.5
IPkt648	ed. 6_A 5 UF3N/E	60.0	41.2	50.0	33.6
IPkt649	ed. 6_A 5 UF4N/E	60.0	41.5	50.0	33.7
IPkt650	ed. 6_A 5 UF5N/E	60.0	41.9	50.0	34.1
IPkt657	ed. 6_A 7 GF N/E	60.0	40.3	50.0	33.8
IPkt658	ed. 6_A 7 UF1N/E	60.0	40.4	50.0	33.3
IPkt659	ed. 6_A 7 UF2N/E	60.0	40.6	50.0	33.2
IPkt660	ed. 6_A 7 UF3N/E	60.0	40.8	50.0	33.3
IPkt661	ed. 6_A 7 UF4N/E	60.0	41.2	50.0	33.4
IPkt662	ed. 6_A 7 UF5N/E	60.0	41.5	50.0	33.7
IPkt663	ed. 6_A 8 GF East	60.0	39.5	50.0	32.8
IPkt664	ed. 6_A 8 UF1East	60.0	42.4	50.0	34.7
IPkt665	ed. 6_A 8 UF2East	60.0	43.1	50.0	35.3
IPkt666	ed. 6_A 8 UF3East	60.0	43.5	50.0	35.6
IPkt667	ed. 6_A 8 UF4East	60.0	43.9	50.0	35.9
IPkt668	ed. 6_A 8 UF5East	60.0	44.4	50.0	36.2
IPkt675	ed. 6_A 10 GF East	60.0	35.6	50.0	30.3
IPkt676	ed. 6_A 10 UF1East	60.0	41.4	50.0	33.5
IPkt677	ed. 6_A 10 UF2East	60.0	42.4	50.0	34.5
IPkt678	ed. 6_A 10 UF3East	60.0	42.9	50.0	34.9
IPkt679	ed. 6_A 10 UF4East	60.0	43.3	50.0	35.2
IPkt680	ed. 6_A 10 UF5East	60.0	44.0	50.0	35.6
IPkt681	ed. 6_A 11 GF S/E	60.0	35.4	50.0	29.8
IPkt682	ed. 6_A 11 UF1S/E	60.0	40.4	50.0	32.5
IPkt683	ed. 6_A 11 UF2S/E	60.0	41.5	50.0	33.5
IPkt684	ed. 6_A 11 UF3S/E	60.0	41.9	50.0	33.8
IPkt685	ed. 6_A 11 UF4S/E	60.0	42.4	50.0	34.1
IPkt686	ed. 6_A 11 UF5S/E	60.0	43.1	50.0	34.7
IPkt687	ed. 6_A 12 GF S/W	60.0	34.0	50.0	28.7
IPkt688	ed. 6_A 12 UF1S/W	60.0	38.4	50.0	30.0
IPkt689	ed. 6_A 12 UF2S/W	60.0	39.4	50.0	30.8
IPkt690	ed. 6_A 12 UF3S/W	60.0	39.9	50.0	31.3
IPkt691	ed. 6_A 12 UF4S/W	60.0	40.5	50.0	31.8
IPkt692	ed. 6_A 12 UF5S/W	60.0	41.4	50.0	32.5

Short list		Point calculation			
Noise prediction					
PROGETTO COMPLETAMENTO		Setting: Reference setting			
		Giorno		Notte	
		LV	L r,A	LV	L r,A
		/dB	/dB	/dB	/dB
IPkt699	ed. 6_A 14 GF South	60.0	39.4	50.0	32.9
IPkt700	ed. 6_A 14 UF1South	60.0	41.6	50.0	33.8
IPkt701	ed. 6_A 14 UF2South	60.0	42.3	50.0	34.3
IPkt702	ed. 6_A 14 UF3South	60.0	42.8	50.0	34.7
IPkt703	ed. 6_A 14 UF4South	60.0	43.3	50.0	35.0
IPkt704	ed. 6_A 14 UF5South	60.0	44.0	50.0	35.6
IPkt705	ed. 6_A 15 GF S/W	60.0	41.5	50.0	35.0
IPkt706	ed. 6_A 15 UF1S/W	60.0	42.3	50.0	35.0
IPkt707	ed. 6_A 15 UF2S/W	60.0	42.8	50.0	35.1
IPkt708	ed. 6_A 15 UF3S/W	60.0	43.3	50.0	35.4
IPkt709	ed. 6_A 15 UF4S/W	60.0	43.8	50.0	35.8
IPkt710	ed. 6_A 15 UF5S/W	60.0	44.7	50.0	36.3
IPkt711	ed. 6_A 16 GF S/W	60.0	38.9	50.0	33.0
IPkt712	ed. 6_A 16 UF1S/W	60.0	38.9	50.0	32.3
IPkt713	ed. 6_A 16 UF2S/W	60.0	39.2	50.0	32.3
IPkt714	ed. 6_A 16 UF3S/W	60.0	39.6	50.0	32.3
IPkt715	ed. 6_A 16 UF4S/W	60.0	40.2	50.0	32.6
IPkt716	ed. 6_A 16 UF5S/W	60.0	41.4	50.0	33.4
IPkt717	ed. 6_A 17 GF S/W	60.0	41.5	50.0	35.1
IPkt718	ed. 6_A 17 UF1S/W	60.0	41.6	50.0	34.5
IPkt719	ed. 6_A 17 UF2S/W	60.0	42.0	50.0	34.6
IPkt720	ed. 6_A 17 UF3S/W	60.0	42.5	50.0	34.8
IPkt721	ed. 6_A 17 UF4S/W	60.0	42.9	50.0	35.0
IPkt722	ed. 6_A 17 UF5S/W	60.0	43.7	50.0	35.6
IPkt723	ed. 6_A 18 GF West	60.0	40.4	50.0	34.2
IPkt724	ed. 6_A 18 UF1West	60.0	40.2	50.0	33.4
IPkt725	ed. 6_A 18 UF2West	60.0	40.5	50.0	33.3
IPkt726	ed. 6_A 18 UF3West	60.0	40.7	50.0	33.3
IPkt727	ed. 6_A 18 UF4West	60.0	41.1	50.0	33.5
IPkt728	ed. 6_A 18 UF5West	60.0	42.0	50.0	34.1
IPkt729	ed. 6_B 1 GF West	60.0	41.5	50.0	35.1
IPkt730	ed. 6_B 1 UF1West	60.0	41.3	50.0	34.5
IPkt731	ed. 6_B 1 UF2West	60.0	41.5	50.0	34.4
IPkt732	ed. 6_B 1 UF3West	60.0	41.6	50.0	34.3
IPkt733	ed. 6_B 1 UF4West	60.0	41.9	50.0	34.4
IPkt734	ed. 6_B 1 UF5West	60.0	42.7	50.0	34.9
IPkt735	ed. 6_B 2 GF West	60.0	39.1	50.0	33.3
IPkt736	ed. 6_B 2 UF1West	60.0	38.9	50.0	32.3
IPkt737	ed. 6_B 2 UF2West	60.0	39.3	50.0	32.3
IPkt738	ed. 6_B 2 UF3West	60.0	39.6	50.0	32.4

Short list		Point calculation			
Noise prediction					
PROGETTO COMPLETAMENTO		Setting: Reference setting			
		Giorno		Notte	
		LV	L r,A	LV	L r,A
		/dB	/dB	/dB	/dB
IPkt739	ed. 6_B 2 UF4West	60.0	40.2	50.0	32.6
IPkt740	ed. 6_B 2 UF5West	60.0	41.4	50.0	33.4
IPkt741	ed. 6_B 3 GF S/W	60.0	39.4	50.0	33.3
IPkt742	ed. 6_B 3 UF1S/W	60.0	39.2	50.0	32.5
IPkt743	ed. 6_B 3 UF2S/W	60.0	39.6	50.0	32.5
IPkt744	ed. 6_B 3 UF3S/W	60.0	39.8	50.0	32.6
IPkt745	ed. 6_B 3 UF4S/W	60.0	40.4	50.0	32.8
IPkt746	ed. 6_B 3 UF5S/W	60.0	41.4	50.0	33.5
IPkt771	ed. 6_B 8 GF N/E	60.0	40.3	50.0	33.7
IPkt772	ed. 6_B 8 UF1N/E	60.0	40.4	50.0	33.2
IPkt773	ed. 6_B 8 UF2N/E	60.0	40.7	50.0	33.2
IPkt774	ed. 6_B 8 UF3N/E	60.0	40.9	50.0	33.3
IPkt775	ed. 6_B 8 UF4N/E	60.0	41.1	50.0	33.3
IPkt776	ed. 6_B 8 UF5N/E	60.0	41.6	50.0	33.6
IPkt783	ed. 6_B 10 GF North	60.0	41.0	50.0	34.3
IPkt784	ed. 6_B 10 UF1North	60.0	41.0	50.0	33.7
IPkt785	ed. 6_B 10 UF2North	60.0	41.2	50.0	33.7
IPkt786	ed. 6_B 10 UF3North	60.0	41.3	50.0	33.7
IPkt787	ed. 6_B 10 UF4North	60.0	41.4	50.0	33.7
IPkt788	ed. 6_B 10 UF5North	60.0	41.8	50.0	33.9
IPkt789	ed. 6_B 11 GF North	60.0	41.2	50.0	34.8
IPkt790	ed. 6_B 11 UF1North	60.0	41.0	50.0	34.0
IPkt791	ed. 6_B 11 UF2North	60.0	41.1	50.0	33.9
IPkt792	ed. 6_B 11 UF3North	60.0	41.2	50.0	33.9
IPkt793	ed. 6_B 11 UF4North	60.0	41.6	50.0	34.0
IPkt794	ed. 6_B 11 UF5North	60.0	42.3	50.0	34.5
IPkt825	ed. 6_C 5 GF S/W	60.0	40.0	50.0	33.7
IPkt826	ed. 6_C 5 UF1S/W	60.0	40.1	50.0	33.1
IPkt827	ed. 6_C 5 UF2S/W	60.0	40.4	50.0	33.0
IPkt828	ed. 6_C 5 UF3S/W	60.0	41.0	50.0	33.2
IPkt829	ed. 6_C 5 UF4S/W	60.0	41.7	50.0	33.7
IPkt830	ed. 6_C 5 UF5S/W	60.0	42.6	50.0	34.2
IPkt837	ed. 6_C 7 GF South	60.0	39.3	50.0	33.1
IPkt838	ed. 6_C 7 UF1South	60.0	39.6	50.0	32.5
IPkt839	ed. 6_C 7 UF2South	60.0	40.0	50.0	32.5
IPkt840	ed. 6_C 7 UF3South	60.0	40.6	50.0	32.8
IPkt841	ed. 6_C 7 UF4South	60.0	41.4	50.0	33.2
IPkt842	ed. 6_C 7 UF5South	60.0	42.4	50.0	33.9
IPkt843	ed. 6_C 8 GF S/E	60.0	37.1	50.0	31.0
IPkt844	ed. 6_C 8 UF1S/E	60.0	41.0	50.0	33.5

Short list		Point calculation			
Noise prediction					
PROGETTO COMPLETAMENTO		Setting: Reference setting			
		Giorno		Notte	
		LV	L r,A	LV	L r,A
		/dB	/dB	/dB	/dB
IPkt845	ed. 6_C 8 UF2S/E	60.0	42.4	50.0	35.1
IPkt846	ed. 6_C 8 UF3S/E	60.0	43.2	50.0	35.7
IPkt847	ed. 6_C 8 UF4S/E	60.0	43.4	50.0	35.8
IPkt848	ed. 6_C 8 UF5S/E	60.0	43.8	50.0	36.0
IPkt855	ed. 6_C 10 GF S/E	60.0	37.0	50.0	31.1
IPkt856	ed. 6_C 10 UF1S/E	60.0	41.0	50.0	33.4
IPkt857	ed. 6_C 10 UF2S/E	60.0	42.5	50.0	35.2
IPkt858	ed. 6_C 10 UF3S/E	60.0	43.3	50.0	35.9
IPkt859	ed. 6_C 10 UF4S/E	60.0	43.5	50.0	36.0
IPkt860	ed. 6_C 10 UF5S/E	60.0	43.8	50.0	36.1
IPkt861	ed. 6_C 11 GF East	60.0	36.8	50.0	31.3
IPkt862	ed. 6_C 11 UF1East	60.0	40.8	50.0	33.6
IPkt863	ed. 6_C 11 UF2East	60.0	42.3	50.0	35.1
IPkt864	ed. 6_C 11 UF3East	60.0	42.9	50.0	35.7
IPkt865	ed. 6_C 11 UF4East	60.0	42.9	50.0	35.6
IPkt866	ed. 6_C 11 UF5East	60.0	43.0	50.0	35.6
IPkt867	ed. 6_C 12 GF N/E	60.0	33.3	50.0	28.2
IPkt868	ed. 6_C 12 UF1N/E	60.0	38.7	50.0	31.4
IPkt869	ed. 6_C 12 UF2N/E	60.0	40.7	50.0	33.4
IPkt870	ed. 6_C 12 UF3N/E	60.0	41.1	50.0	33.7
IPkt871	ed. 6_C 12 UF4N/E	60.0	41.2	50.0	33.7
IPkt872	ed. 6_C 12 UF5N/E	60.0	41.6	50.0	33.9
IPkt879	ed. 6_C 14 GF N/E	60.0	40.0	50.0	33.8
IPkt880	ed. 6_C 14 UF1N/E	60.0	42.4	50.0	35.3
IPkt881	ed. 6_C 14 UF2N/E	60.0	43.8	50.0	36.6
IPkt882	ed. 6_C 14 UF3N/E	60.0	43.9	50.0	36.6
IPkt883	ed. 6_C 14 UF4N/E	60.0	43.8	50.0	36.5
IPkt884	ed. 6_C 14 UF5N/E	60.0	43.9	50.0	36.4
IPkt885	ed. 6_C 15 GF North	60.0	45.2	50.0	38.7
IPkt886	ed. 6_C 15 UF1North	60.0	45.7	50.0	39.0
IPkt887	ed. 6_C 15 UF2North	60.0	45.8	50.0	38.9
IPkt888	ed. 6_C 15 UF3North	60.0	45.6	50.0	38.7
IPkt889	ed. 6_C 15 UF4North	60.0	45.3	50.0	38.4
IPkt890	ed. 6_C 15 UF5North	60.0	45.1	50.0	38.1
IPkt897	ed. 6_C 17 GF North	60.0	45.1	50.0	38.6
IPkt898	ed. 6_C 17 UF1North	60.0	45.0	50.0	38.4
IPkt899	ed. 6_C 17 UF2North	60.0	44.9	50.0	38.2
IPkt900	ed. 6_C 17 UF3North	60.0	44.6	50.0	37.9
IPkt901	ed. 6_C 17 UF4North	60.0	44.3	50.0	37.5
IPkt902	ed. 6_C 17 UF5North	60.0	44.1	50.0	37.2

Short list		Point calculation			
Noise prediction					
PROGETTO COMPLETAMENTO		Setting: Reference setting			
		Giorno		Notte	
		LV	L r,A	LV	L r,A
		/dB	/dB	/dB	/dB
IPkt903	ed. 6_C 18 GF N/W	60.0	44.8	50.0	38.1
IPkt904	ed. 6_C 18 UF1N/W	60.0	44.8	50.0	37.9
IPkt905	ed. 6_C 18 UF2N/W	60.0	44.7	50.0	37.7
IPkt906	ed. 6_C 18 UF3N/W	60.0	44.5	50.0	37.4
IPkt907	ed. 6_C 18 UF4N/W	60.0	44.3	50.0	37.1
IPkt908	ed. 6_C 18 UF5N/W	60.0	44.2	50.0	36.9
IPkt909	ed. 6_D 1 GF N/W	60.0	45.7	50.0	38.7
IPkt910	ed. 6_D 1 UF1N/W	60.0	45.5	50.0	38.4
IPkt911	ed. 6_D 1 UF2N/W	60.0	45.4	50.0	38.1
IPkt912	ed. 6_D 1 UF3N/W	60.0	45.2	50.0	37.8
IPkt913	ed. 6_D 1 UF4N/W	60.0	45.0	50.0	37.5
IPkt914	ed. 6_D 1 UF5N/W	60.0	44.9	50.0	37.3
IPkt915	ed. 6_D 2 GF N/W	60.0	44.4	50.0	37.8
IPkt916	ed. 6_D 2 UF1N/W	60.0	44.3	50.0	37.5
IPkt917	ed. 6_D 2 UF2N/W	60.0	44.1	50.0	37.2
IPkt918	ed. 6_D 2 UF3N/W	60.0	43.7	50.0	36.9
IPkt919	ed. 6_D 2 UF4N/W	60.0	43.4	50.0	36.4
IPkt920	ed. 6_D 2 UF5N/W	60.0	43.1	50.0	36.1
IPkt921	ed. 6_D 3 GF North	60.0	44.3	50.0	37.7
IPkt922	ed. 6_D 3 UF1North	60.0	44.1	50.0	37.4
IPkt923	ed. 6_D 3 UF2North	60.0	43.9	50.0	37.1
IPkt924	ed. 6_D 3 UF3North	60.0	43.6	50.0	36.7
IPkt925	ed. 6_D 3 UF4North	60.0	43.3	50.0	36.3
IPkt926	ed. 6_D 3 UF5North	60.0	43.1	50.0	36.0
IPkt957	ed. 6_D 9 GF South	60.0	40.4	50.0	33.8
IPkt958	ed. 6_D 9 UF1South	60.0	40.4	50.0	33.3
IPkt959	ed. 6_D 9 UF2South	60.0	40.7	50.0	33.2
IPkt960	ed. 6_D 9 UF3South	60.0	41.1	50.0	33.3
IPkt961	ed. 6_D 9 UF4South	60.0	41.7	50.0	33.7
IPkt962	ed. 6_D 9 UF5South	60.0	42.5	50.0	34.2
IPkt969	ed. 6_D 11 GF S/W	60.0	42.2	50.0	35.2
IPkt970	ed. 6_D 11 UF1S/W	60.0	42.1	50.0	34.6
IPkt971	ed. 6_D 11 UF2S/W	60.0	42.2	50.0	34.5
IPkt972	ed. 6_D 11 UF3S/W	60.0	42.4	50.0	34.5
IPkt973	ed. 6_D 11 UF4S/W	60.0	42.7	50.0	34.6
IPkt974	ed. 6_D 11 UF5S/W	60.0	43.3	50.0	35.0
IPkt975	ed. 6_D 12 GF West	60.0	44.6	50.0	37.5
IPkt976	ed. 6_D 12 UF1West	60.0	44.5	50.0	37.2
IPkt977	ed. 6_D 12 UF2West	60.0	44.4	50.0	37.0
IPkt978	ed. 6_D 12 UF3West	60.0	44.3	50.0	36.7

09/02/2022	Proposta di urbanizzazione a fini residenziali, a completamento dell'ambito ANS C2.1, in via de Coubertin – Castenaso (BO)	Rev. 1
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Short list		Point calculation			
Noise prediction					
PROGETTO COMPLETAMENTO		Setting: Reference setting			
		Giorno		Notte	
		LV	L r,A	LV	L r,A
		/dB	/dB	/dB	/dB
IPkt979	ed. 6_D 12 UF4West	60.0	44.1	50.0	36.5
IPkt980	ed. 6_D 12 UF5West	60.0	44.2	50.0	36.5