

ALLEGATO 2

MISURE FONOMETRICHE

Premessa

Si precisa che il rispetto dei limiti assoluti di emissione e di immissione del D.P.C.M. 01/03/91, sanciti dal DPCM 14/11/97 si riferiscono a misure eseguite in condizioni meteorologiche normali, prese in presenza di vento **con velocità inferiori a 5 m/s**; anche lo strumento urbanistico costituito dal piano di zonizzazione acustica viene redatto in base a misure fonometriche che rispettino tale condizione questo per evitare che il rumore residuo crescente con il vento falsi le verifiche rispetto alle “normali” sorgenti fonti di rumore (Decreto del Ministero dell’Ambiente 16/03/1998 “Tecniche di rilevamento e di misurazione dell’inquinamento acustico”). Tali condizioni sono di fatto difficilmente applicabili agli impianti eolici in quanto gli aerogeneratori restano fermi a velocità minori di 5 m/s oppure si muovono molto lentamente emettendo una rumorosità minima. Per velocità del vento più alte la superiore emissione acustica delle turbine viene in parte coperta dall’aumento del rumore residuo. Le massime emissioni sonore delle turbine si hanno generalmente per velocità del vento **superiori a 7-8 m/s**.

Secondo quanto prescritto dalla norma **UNI 11143-1**, nel caso degli impianti eolici, l’area di influenza è rappresentata dalla zona interessata da un contributo del parco maggiore o uguale a 40 dB, valutati mediante modellazione matematica, o alternativamente, dalla zona compresa entro una fascia non inferiore i 500 m dagli aerogeneratori.

Di norma, data la complessità pratica nell’eseguire il monitoraggio per tutti i recettori sensibili nelle differenti condizioni meteorologiche, l’indagine fonometrica viene programmata ed eseguita solo per alcuni punti di monitoraggio (postazioni fonometriche) corrispondenti ai recettori sensibili più rappresentativi, scelti a valle delle considerazioni espresse in precedenza.

In conformità all’attuale normativa in materia acustica specifica per gli impianti eolici (UNI/TS 11143-7) l’indagine fonometrica di caratterizzazione del sito è stata condotta con misure prolungate eseguite in fascia diurna ed in fascia notturna correlate ai valori sincronizzati di velocità e direzione del vento e, in ottemperanza alle prescrizioni del Decreto 1 giugno 2022 Ministero della Transizione Ecologica “Determinazione dei criteri per la misurazione del rumore emesso dagli impianti eolici e per il contenimento del relativo inquinamento acustico” (GU Serie Generale n.139 del 16-06-2022), scorporate per valori della velocità del vento al ricettore ≤ 5 m/s.

L’anemometro è stato posizionato nei pressi della postazione di misura fonometrica ad un’altezza maggiore di circa 2 metri e sempre ad almeno 5 m da elementi interferenti in grado di produrre turbolenze (come ad esempio: vegetazione ad alto fusto, strutture edilizie) ed in posizione tale che potesse ricevere vento da tutte le direzioni. al fine di rilevare, in concomitanza con i livelli di rumore, anche la direzione e velocità del vento.

Strumentazione utilizzata

Per l'esecuzione delle misure è stata utilizzata la seguente strumentazione:

- **Fonometro 01dB, modello SOLO, matricola 11513,**
- **Calibratore 01 dB, modello CAL 21, matricola 51031206.**

La strumentazione, di **classe 1**, è conforme alle norme IEC 61672-1 [per i fonometri integratori di classe 1]; CEI60942:2003 [per il calibratore] è stata messa a disposizione dalla società **A.Ri.A. S.r.l.** e utilizzata dal tecnico incaricato. Il fonometro è dotato di filtri in banda d'ottava e 1/3 d'ottava conformi alle norme IEC 1260 e ANSI S1.11 Ponderazione temporale Fast -Slow -Impulse- peak Ponderazione in frequenza A - B - C - Z (anche in banda 1/1 ed 1/3 d'ottava)

La suddetta strumentazione soddisfa le specifiche imposte dal DM Ambiente 16 Marzo 1998 "*Tecniche di rilevamento e di misurazione dell'inquinamento acustico*"

Di seguito sono elencati i parametri impostati sul fonometro per l'acquisizione delle grandezze fisiche caratteristiche per la misura del rumore di fondo in campo libero:

- costante temporale di acquisizione grandezze fisiche impostata a 100 ms;
- Leq con costante Fast e ponderazione lineare;
- Leq con costante Fast, Slow ed Impulse secondo la curva di ponderazione pesata in frequenza A;
- spettro lineare in frequenza per bande di terze di ottave da 8Hz a 20kHz;
- livelli statistici percentili dei livelli di pressione sonora con ponderazione Fast: L01; L05; L10; L50; L90; L95.
- spettro lineare in bande di ottave con valore minimo e massimo;
- valori massimi e minimi del Leq con costante Fast, Slow ed Impulse secondo la curva di ponderazione pesata in frequenza A.

Soggettivamente e strumentalmente non sono state riconosciute impulsive, tonali e spettrali in bassa frequenza

Per i dati anemometrici di sito si è fatto riferimento alle apparecchiature in dotazione al personale tecnico della **Ecopower S.R.L.** Sono stati acquisiti i dati relativi all'intero periodo di ciascuna misura effettuata.

Tali dati sono rilevati ogni dieci minuti ed i valori registrati sono sintetizzati per ciascuna misura fonometrica effettuata.

La suddivisione in classi di velocità è riportata nei grafici per il calcolo delle rette di regressione: si precisa che i dati utilizzati per il calcolo delle rette di regressione si è fatto riferimento ai dati anemometrici al suolo e che quindi la valutazione di seguito effettuata risulta cautelativa.

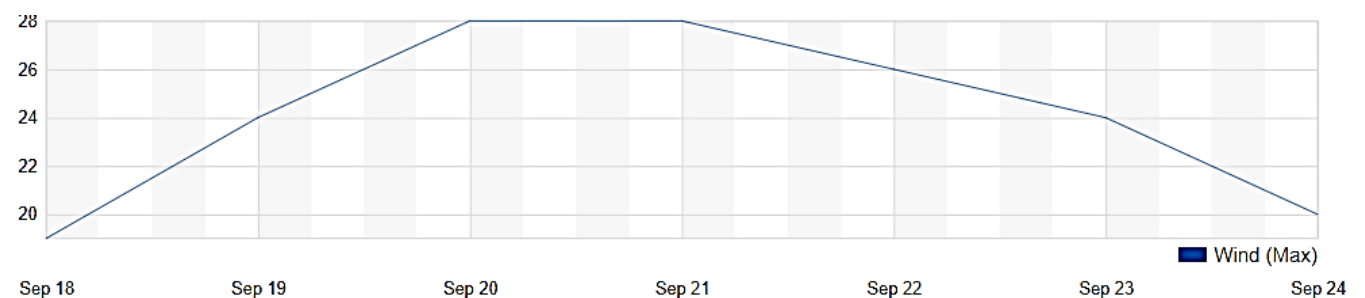
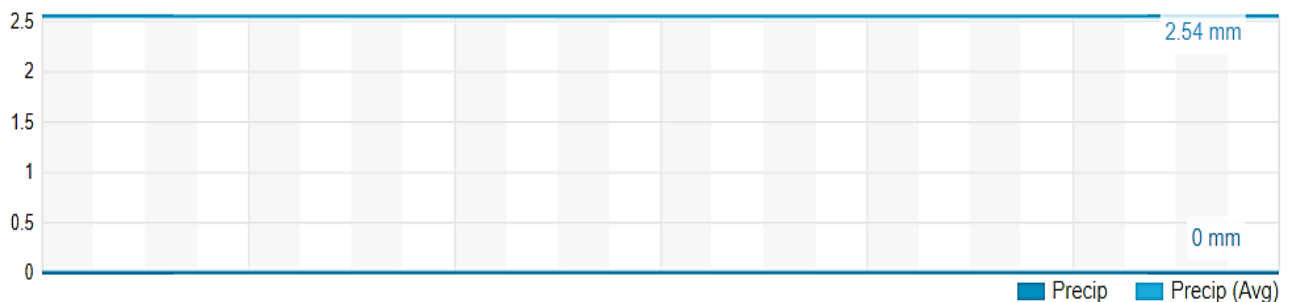
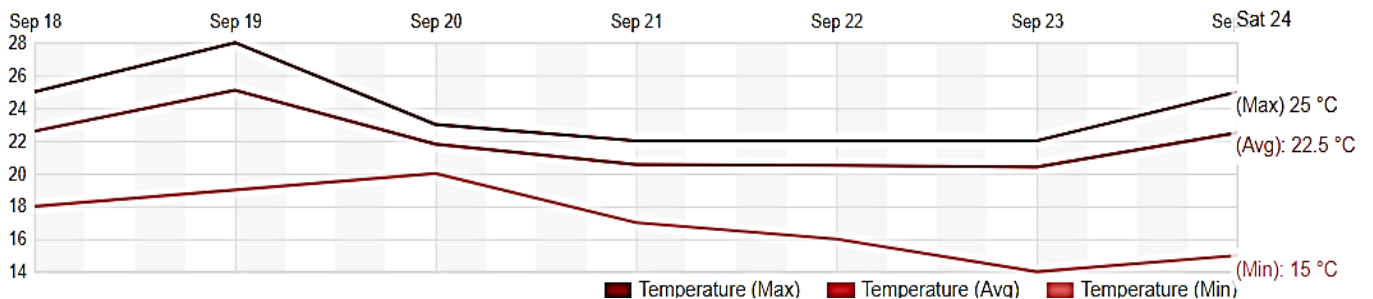
Al termine di ogni misura si è provveduto a battere la posizione geografica della postazione fonometrica mediante un rilevatore GPS oltre ad eseguire le foto della postazione e dell'ambiente circostante.

*I certificati di taratura di tale strumentazione sono riportati in **Appendice A**, che costituisce parte integrante della presente.*

Condizioni meteorologiche generali nell'area di misura.

Le misure sono state effettuate ai diversi recettori nella settimana dal **18 al 24 settembre 2022**

| Temperature (°C) | | | | |
|--------------------------|---------|---------|---------|-------|
| | Max | Average | Min | ▲ |
| Max Temperature | 28 | 23.86 | 22 | |
| Avg Temperature | 25.09 | 21.92 | 20.4 | |
| Min Temperature | 20 | 17 | 14 | |
| Dew Point (°C) | | | | |
| | Max | Average | Min | ▲ |
| Dew Point | 14 | 6.41 | 0 | |
| Precipitation (mm) | | | | |
| | Max | Average | Min | Sum ▲ |
| Precipitation | 0.00 | 0.00 | 0.00 | 0.00 |
| Snowdepth | 0.00 | 0.00 | 0.00 | 0.00 |
| Wind (km/h) | | | | |
| | Max | Average | Min | ▲ |
| Wind | 28 | 16.2 | 4 | |
| Gust Wind | 41 | 0.53 | 0 | |
| Sea Level Pressure (hPa) | | | | |
| | Max | Average | Min | ▲ |
| Sea Level Pressure | 1010.24 | 1007.01 | 1002.31 | |



| Time | Temperature (°C) | | | Dew Point (°C) | | | Humidity (%) | | | Wind Speed (km/h) | | | Pressure (hPa) | | | Precipitation (mm) |
|---------|------------------|------|-----|----------------|------|-----|--------------|------|-----|-------------------|------|-----|----------------|--------|--------|--------------------|
| | Max | Avg | Min | Max | Avg | Min | Max | Avg | Min | Max | Avg | Min | Max | Avg | Min | Total |
| Sep./22 | | | | | | | | | | | | | | | | |
| 18 | 25 | 22.6 | 18 | 9 | 4.9 | 3 | 56 | 32.6 | 26 | 19 | 12.7 | 6 | 1006.3 | 1005.9 | 1005.3 | 0 |
| 19 | 28 | 25.1 | 19 | 12 | 7 | 3 | 64 | 33.1 | 20 | 24 | 16.4 | 6 | 1003.3 | 1002.6 | 1002.3 | 0 |
| 20 | 23 | 21.8 | 20 | 14 | 12.2 | 9 | 64 | 54.8 | 46 | 28 | 13.1 | 4 | 1006.3 | 1005.3 | 1004.3 | 0 |
| 21 | 22 | 20.6 | 17 | 11 | 6 | 3 | 68 | 39.8 | 33 | 28 | 15.6 | 7 | 1008.3 | 1008.3 | 1008.3 | 0 |
| 22 | 22 | 20.5 | 16 | 9 | 5.3 | 2 | 63 | 38.2 | 30 | 26 | 20.5 | 17 | 1009.3 | 1008.8 | 1008.3 | 0 |
| 23 | 22 | 20.4 | 14 | 8 | 3.3 | 0 | 63 | 34.2 | 23 | 24 | 20.5 | 13 | 1010.2 | 1009.5 | 1009.3 | 0 |
| 24 | 25 | 22.5 | 15 | 8 | 6.2 | 5 | 59 | 35.9 | 29 | 20 | 14.6 | 4 | 1010.2 | 1008.9 | 1007.3 | 0 |

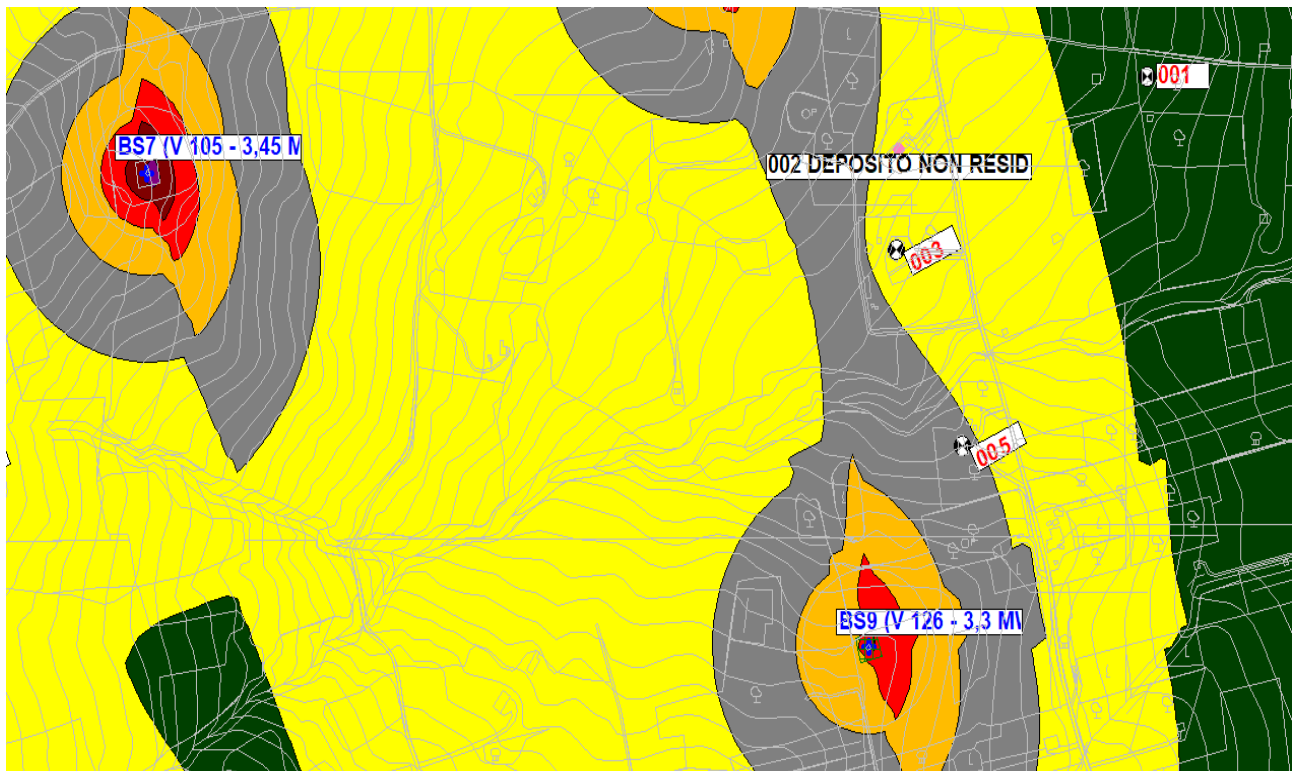
Determinazione dei punti di misura.

Al fine di caratterizzare al meglio il clima acustico dell'area, i punti di misura sono stati scelti anche in relazione ai calcoli teorici dei livelli di rumore precedentemente effettuati (Allegato 1).

Per ognuno di tali recettori è riportato il criterio che ne ha permesso la selezione

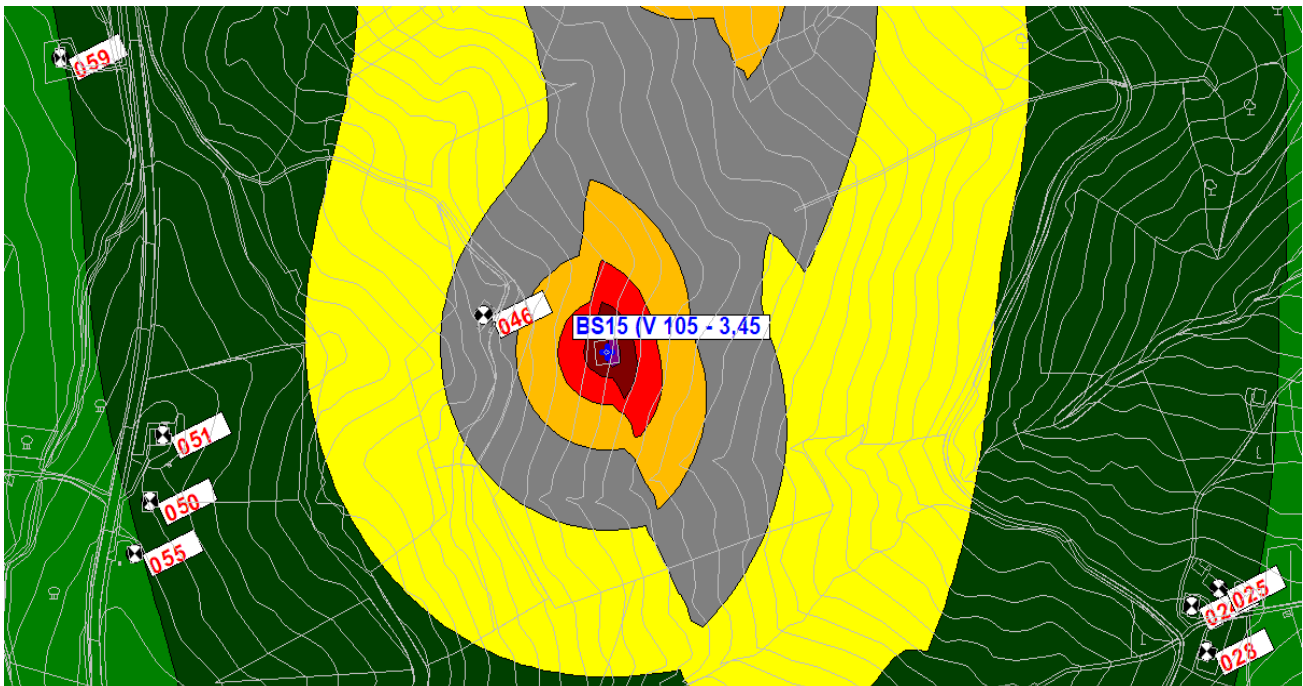
| Id Ricettore | Livello Emissione calcolato al Ricettore | | Limite Emissione | | Altezza | Coordinate UTM WGS 84 Fuse 33 | | |
|--------------|--|---------|------------------|---------|---------|-------------------------------|---------|--------|
| | Giorno | Notte | Giorno | Notte | H | X | Y | Z |
| | (dB(A)) | (dB(A)) | (dB(A)) | (dB(A)) | (m) | (m) | (m) | (m) |
| R_5 | 44.7 | 44.7 | 55 | 45 | 517.09 | 531293.3 | 4544331 | 517.09 |

Ricettore al quale è attribuito il massimo livello di rumore calcolato determinato dalla **somma delle emissioni** prodotte dai soli aerogeneratori **Ecopower** da installare.



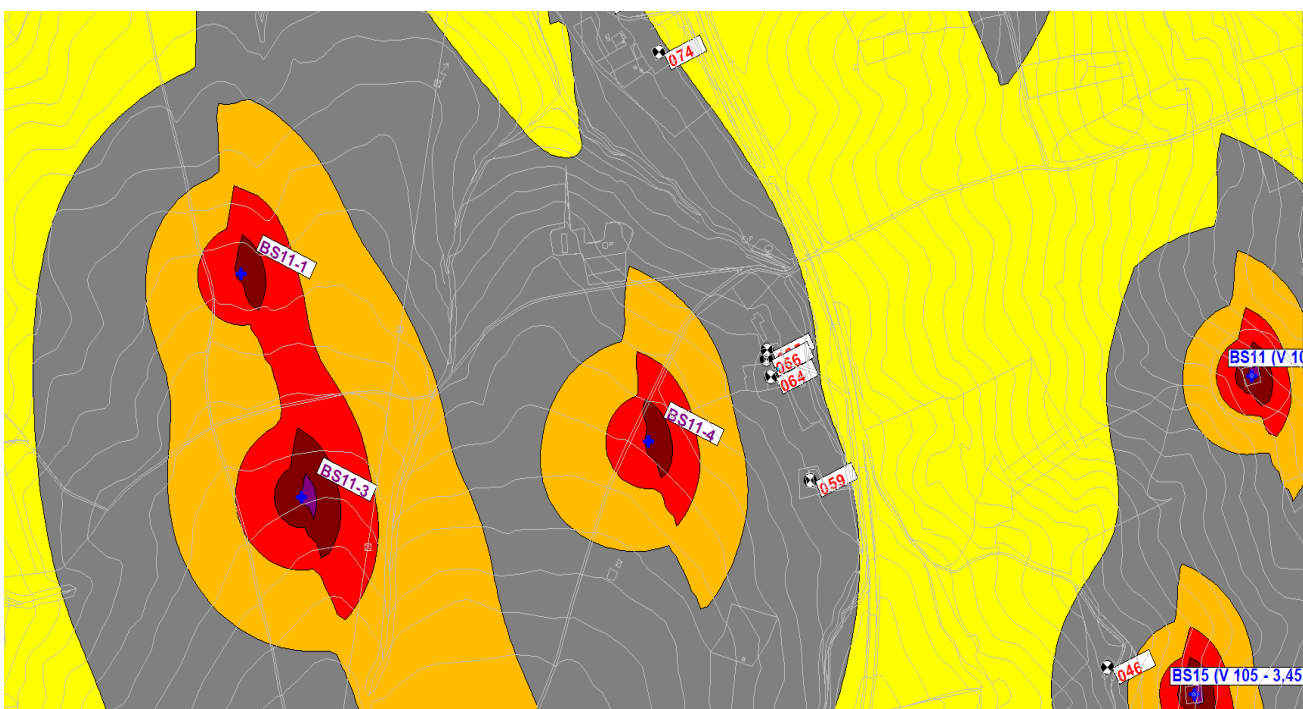
| Nome Ricettore | Livello Emissione calcolato al Ricettore | | Limite Emissione | | Altezza | Coordinate UTM WGS 84 Fuse 33 | | |
|----------------|--|---------|------------------|---------|---------|-------------------------------|---------|--------|
| | Giorno | Notte | Giorno | Notte | H | X | Y | Z |
| | (dB(A)) | (dB(A)) | (dB(A)) | (dB(A)) | (m) | (m) | (m) | (m) |
| R_46 | 38.8 | 38.8 | 55 | 45 | 720.61 | 530635.4 | 4542700 | 720.61 |

Recettore vicinore alle turbine *Ecopower* da installare



| Nome Ricettore | Livello Immissione calcolato al Ricettore | | Limite Immissione | | Altezza | Coordinate UTM WGS 84 Fuse 33 | | |
|----------------|---|---------|-------------------|---------|---------|-------------------------------|---------|--------|
| | Giorno | Notte | Giorno | Notte | H | X | Y | Z |
| | (dB(A)) | (dB(A)) | (dB(A)) | (dB(A)) | (m) | (m) | (m) | (m) |
| R_64 | 46.6 | 46.4 | 60 | 50 | 745.44 | 530209.2 | 4543028 | 745.44 |

Recettore al quale è attribuibile il maggiore livello di rumore calcolato determinato dalla **somma delle immissioni totali del parco post operam** (tutti gli aerogeneratori nell'area di influenza attivi)



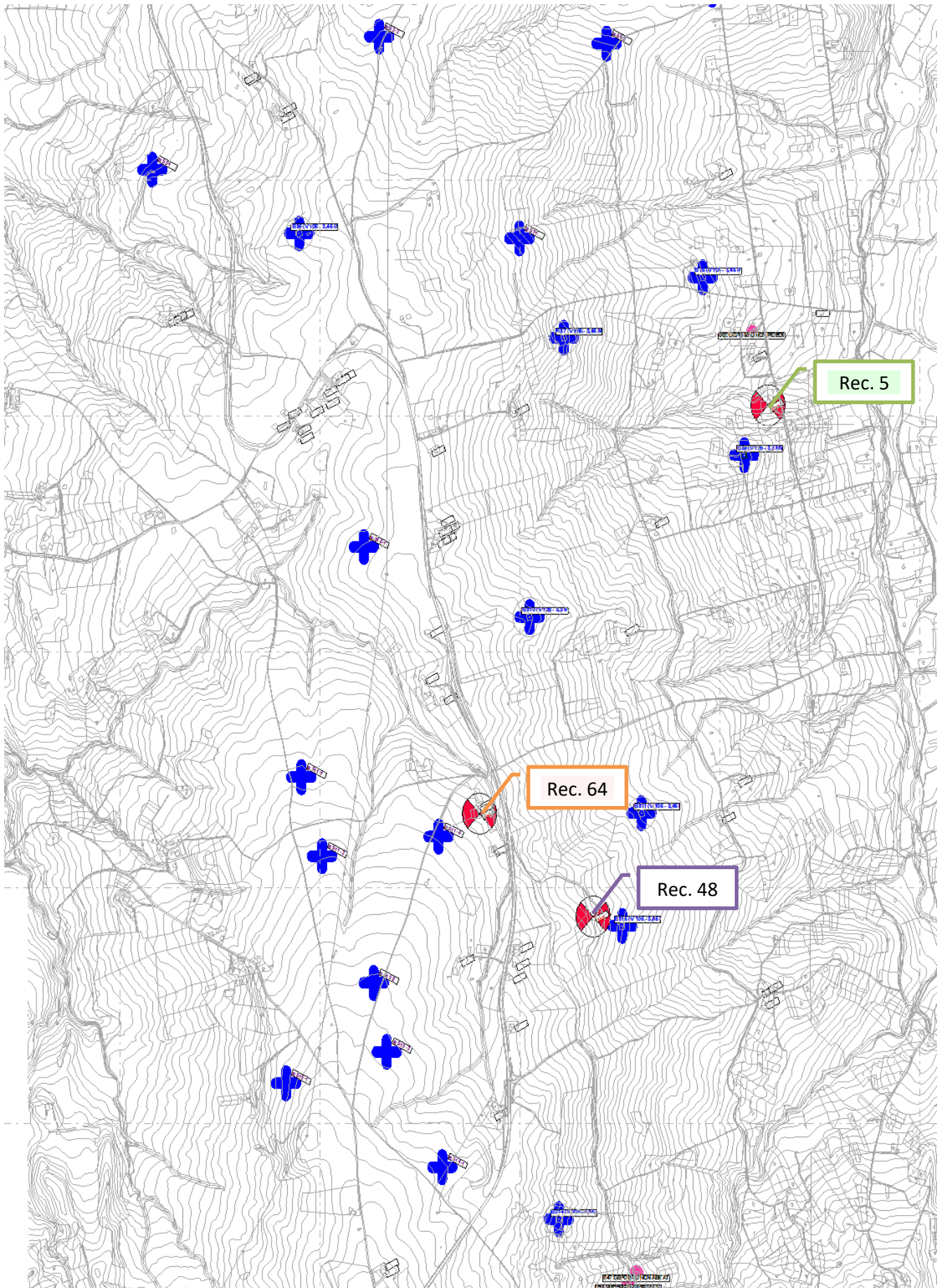


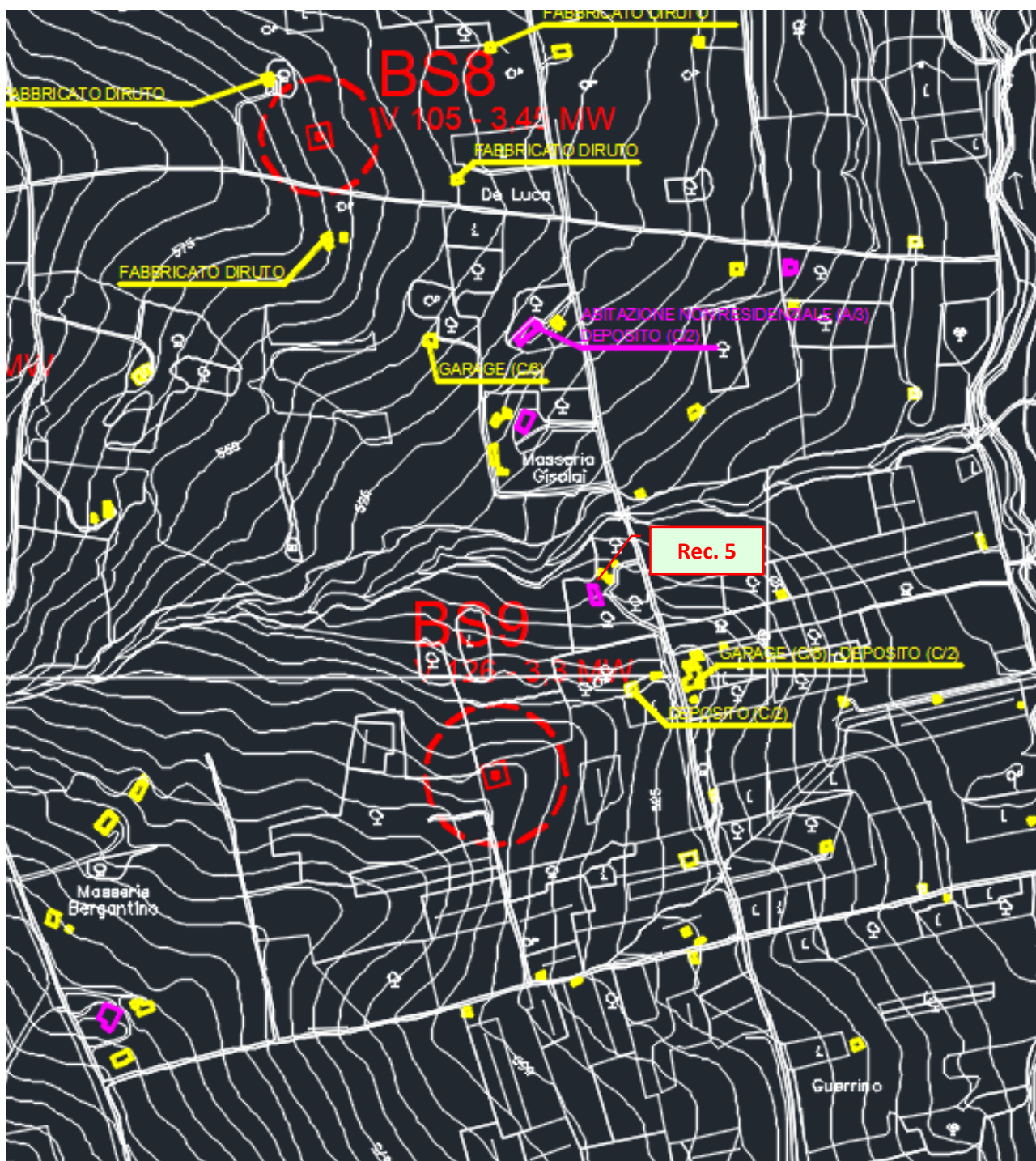
Figura 1: Posizione reciproca di tutti i ricettori misurati all'interno del parco eolico

RISULTATI DELLE MISURE FONOMETRICHE Si precisa che i risultati riportati risultano già

corretti in relazione agli eventi anomali occorsi durante la misura. I *tempi di osservazione* del rumore residuo presente sono stati scelti in modo da essere rappresentativi del fenomeno acustico stesso ed è stata inoltre effettuata una rilevazione statistica nel tempo per i valori di LR attraverso la quale si è constatata la stabilità dei valori riscontrati.

RECETTORE MISURATON. 1

| Id Ricettore | Coordinate UTM WGS 84 Fuse 33 | | | |
|--------------|-------------------------------|----------|---------|--------|
| | Altezza | X | Y | Z |
| | H (m) | (m) | (m) | (m) |
| R_5 | 517.09 | 531293.3 | 4544331 | 517.09 |



Misure diurne

TOTALI

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| Diurno (6-22) | m/s | deg | m/s | dB(A) |
| lun/19/09/2022 06:00 | 11.8 | 250 | 16.4 | 42.6 |
| lun/19/09/2022 06:10 | 12.2 | 251 | 16.8 | 45.8 |
| lun/19/09/2022 06:20 | 12.4 | 252 | 17.1 | 38.6 |
| lun/19/09/2022 06:30 | 12.5 | 254 | 17.2 | 47.8 |
| lun/19/09/2022 06:40 | 11.6 | 256 | 16.1 | 48.5 |
| lun/19/09/2022 06:50 | 11.0 | 260 | 15.5 | 38.6 |
| lun/19/09/2022 07:00 | 10.8 | 265 | 15.2 | 46.5 |
| lun/19/09/2022 07:10 | 12.5 | 262 | 17.2 | 45.8 |
| lun/19/09/2022 07:20 | 11.6 | 262 | 16.2 | 43.7 |
| lun/19/09/2022 07:30 | 11.0 | 265 | 15.5 | 39.3 |
| lun/19/09/2022 07:40 | 10.6 | 265 | 15.1 | 46.2 |
| lun/19/09/2022 07:50 | 10.6 | 264 | 15.1 | 40.7 |
| lun/19/09/2022 08:00 | 10.1 | 267 | 14.5 | 36.1 |
| lun/19/09/2022 08:10 | 9.8 | 267 | 14.1 | 45.3 |
| lun/19/09/2022 08:20 | 10.1 | 265 | 14.5 | 45.3 |
| lun/19/09/2022 08:30 | 10.8 | 264 | 15.3 | 39.0 |
| lun/19/09/2022 08:40 | 9.9 | 262 | 14.3 | 44.0 |
| lun/19/09/2022 08:50 | 9.8 | 264 | 14.2 | 39.1 |
| lun/19/09/2022 09:00 | 8.6 | 263 | 12.7 | 39.5 |
| lun/19/09/2022 09:10 | 8.4 | 260 | 12.4 | 40.9 |
| lun/19/09/2022 09:20 | 7.8 | 271 | 11.8 | 39.7 |
| lun/19/09/2022 09:30 | 9.0 | 276 | 13.2 | 47.3 |
| lun/19/09/2022 09:40 | 8.7 | 270 | 12.8 | 46.5 |
| lun/19/09/2022 09:50 | 9.0 | 270 | 13.1 | 47.8 |
| lun/19/09/2022 10:00 | 8.7 | 270 | 12.8 | 36.4 |
| lun/19/09/2022 10:10 | 9.1 | 279 | 13.3 | 46.2 |
| lun/19/09/2022 10:20 | 9.4 | 277 | 13.7 | 37.9 |
| lun/19/09/2022 10:30 | 10.0 | 277 | 14.3 | 46.3 |
| lun/19/09/2022 10:40 | 9.0 | 282 | 13.2 | 43.9 |
| lun/19/09/2022 10:50 | 9.2 | 274 | 13.4 | 38.3 |
| lun/19/09/2022 11:00 | 9.7 | 275 | 14.0 | 39.8 |
| lun/19/09/2022 11:10 | 10.5 | 285 | 14.9 | 36.6 |
| lun/19/09/2022 11:20 | 11.5 | 271 | 16.1 | 35.6 |
| lun/19/09/2022 11:30 | 11.2 | 276 | 15.7 | 34.7 |

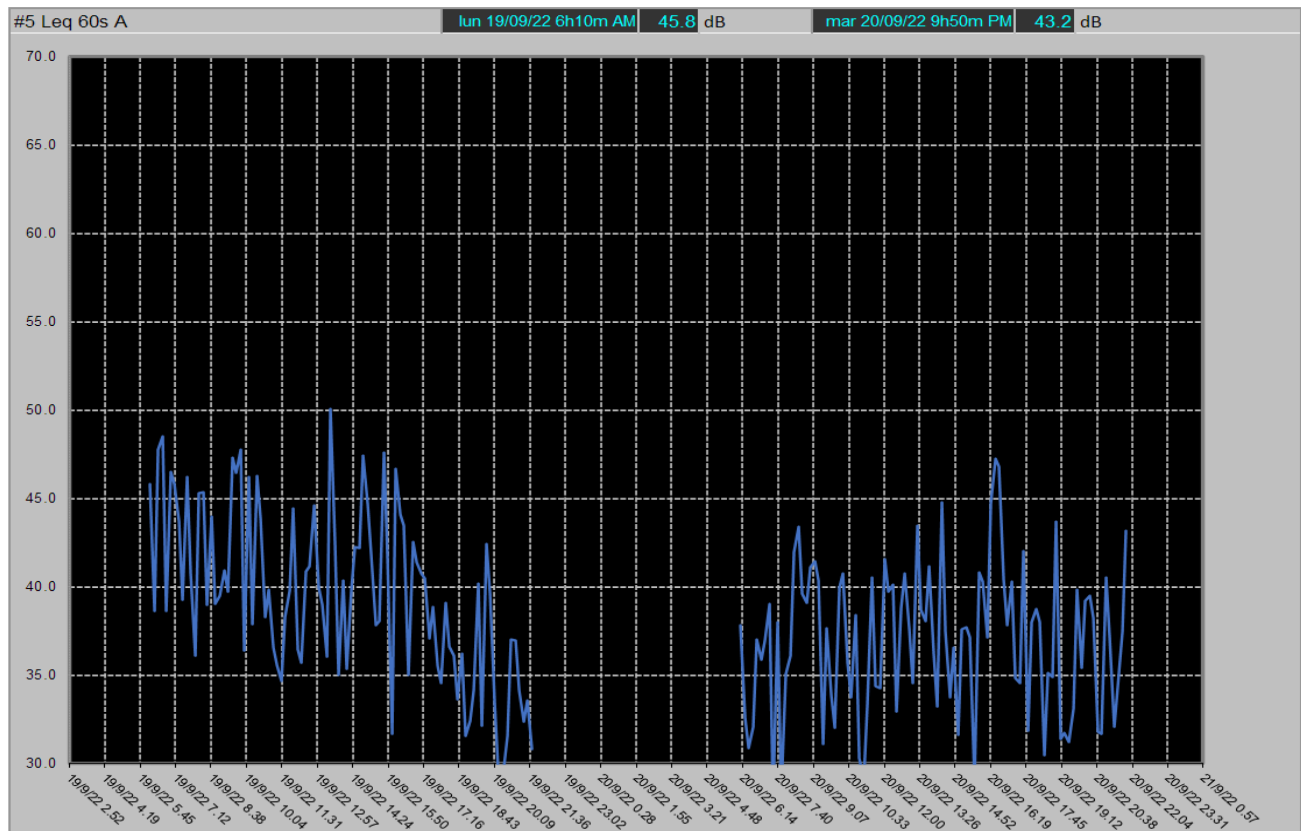
| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| Diurno (6-22) | m/s | deg | m/s | dB(A) |
| lun/19/09/2022 11:40 | 10.7 | 273 | 15.1 | 38.3 |
| lun/19/09/2022 11:50 | 11.3 | 285 | 15.8 | 39.8 |
| lun/19/09/2022 12:00 | 11.3 | 265 | 15.8 | 44.4 |
| lun/19/09/2022 12:10 | 10.5 | 271 | 14.9 | 36.4 |
| lun/19/09/2022 12:20 | 10.9 | 261 | 15.4 | 35.7 |
| lun/19/09/2022 12:30 | 11.3 | 277 | 15.8 | 40.9 |
| lun/19/09/2022 12:40 | 11.9 | 279 | 16.5 | 41.1 |
| lun/19/09/2022 12:50 | 11.5 | 277 | 16.0 | 44.6 |
| lun/19/09/2022 13:00 | 11.8 | 275 | 16.4 | 39.9 |
| lun/19/09/2022 13:10 | 11.9 | 269 | 16.6 | 39.0 |
| lun/19/09/2022 13:20 | 11.6 | 285 | 16.2 | 36.1 |
| lun/19/09/2022 13:30 | 9.6 | 273 | 13.9 | 50.1 |
| lun/19/09/2022 13:40 | 8.1 | 279 | 12.1 | 42.3 |
| lun/19/09/2022 13:50 | 7.9 | 286 | 11.8 | 35.0 |
| lun/19/09/2022 14:00 | 9.3 | 293 | 13.5 | 40.4 |
| lun/19/09/2022 14:10 | 8.4 | 284 | 12.4 | 35.3 |
| lun/19/09/2022 14:20 | 8.3 | 288 | 12.3 | 39.9 |
| lun/19/09/2022 14:30 | 8.0 | 280 | 11.9 | 42.3 |
| lun/19/09/2022 14:40 | 7.7 | 278 | 11.6 | 42.2 |
| lun/19/09/2022 14:50 | 7.7 | 274 | 11.7 | 47.4 |
| lun/19/09/2022 15:00 | 7.5 | 267 | 11.3 | 44.6 |
| lun/19/09/2022 15:10 | 7.9 | 288 | 11.8 | 41.8 |
| lun/19/09/2022 15:20 | 8.0 | 276 | 12.0 | 37.9 |
| lun/19/09/2022 15:30 | 8.5 | 280 | 12.6 | 38.1 |
| lun/19/09/2022 15:40 | 8.0 | 290 | 12.0 | 47.6 |
| lun/19/09/2022 15:50 | 7.7 | 286 | 11.6 | 41.6 |
| lun/19/09/2022 16:00 | 7.0 | 286 | 10.7 | 31.7 |
| lun/19/09/2022 16:10 | 7.9 | 279 | 11.8 | 46.7 |
| lun/19/09/2022 16:20 | 7.7 | 278 | 11.7 | 44.1 |
| lun/19/09/2022 16:30 | 7.4 | 272 | 11.2 | 43.4 |
| lun/19/09/2022 16:40 | 7.4 | 275 | 11.3 | 35.0 |
| lun/19/09/2022 16:50 | 6.9 | 273 | 10.7 | 42.6 |
| lun/19/09/2022 17:00 | 7.1 | 274 | 10.9 | 41.4 |
| lun/19/09/2022 17:10 | 7.3 | 279 | 11.1 | 40.8 |
| lun/19/09/2022 17:20 | 6.7 | 279 | 10.4 | 40.4 |
| lun/19/09/2022 17:30 | 5.8 | 270 | 9.3 | 37.1 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| Diurno (6-22) | m/s | deg | m/s | dB(A) |
| lun/19/09/2022 17:40 | 5.3 | 269 | 8.7 | 38.9 |
| lun/19/09/2022 17:50 | 5.5 | 262 | 8.8 | 35.5 |
| lun/19/09/2022 18:00 | 5.5 | 254 | 8.9 | 34.5 |
| lun/19/09/2022 18:10 | 5.7 | 266 | 9.1 | 39.1 |
| lun/19/09/2022 18:20 | 5.5 | 255 | 8.9 | 36.6 |
| lun/19/09/2022 18:30 | 4.7 | 248 | 7.9 | 36.1 |
| lun/19/09/2022 18:40 | 4.3 | 262 | 7.3 | 33.6 |
| lun/19/09/2022 18:50 | 4.0 | 266 | 7.0 | 36.2 |
| lun/19/09/2022 19:00 | 3.7 | 254 | 6.5 | 31.6 |
| lun/19/09/2022 19:10 | 4.5 | 258 | 7.6 | 32.4 |
| lun/19/09/2022 19:20 | 4.0 | 273 | 7.0 | 34.1 |
| lun/19/09/2022 19:30 | 3.5 | 281 | 6.3 | 40.2 |
| lun/19/09/2022 19:40 | 3.5 | 269 | 6.2 | 32.1 |
| lun/19/09/2022 19:50 | 3.8 | 281 | 6.6 | 42.4 |
| lun/19/09/2022 20:00 | 3.7 | 287 | 6.5 | 39.6 |
| lun/19/09/2022 20:10 | 3.7 | 284 | 6.5 | 33.4 |
| lun/19/09/2022 20:20 | 4.0 | 280 | 7.0 | 29.6 |
| lun/19/09/2022 20:30 | 3.1 | 272 | 5.7 | 29.3 |
| lun/19/09/2022 20:40 | 3.4 | 285 | 6.2 | 31.6 |
| lun/19/09/2022 20:50 | 3.4 | 293 | 6.1 | 37.0 |
| lun/19/09/2022 21:00 | 2.6 | 274 | 5.0 | 36.9 |
| lun/19/09/2022 21:10 | 3.3 | 279 | 6.0 | 34.1 |
| lun/19/09/2022 21:20 | 3.5 | 283 | 6.3 | 32.3 |
| lun/19/09/2022 21:30 | 3.1 | 270 | 5.7 | 33.6 |
| lun/19/09/2022 21:40 | 2.7 | 281 | 5.1 | 30.8 |
| lun/19/09/2022 21:50 | N.D | N.D | N.D | N.D |
| mar/20/09/2022 06:10 | 3.5 | 111 | 6.2 | 37.8 |
| mar/20/09/2022 06:20 | 3.0 | 109 | 5.6 | 32.6 |
| mar/20/09/2022 06:30 | 2.6 | 93 | 5.0 | 30.9 |
| mar/20/09/2022 06:40 | 2.4 | 74 | 4.7 | 32.1 |
| mar/20/09/2022 06:50 | 3.1 | 83 | 5.7 | 37.0 |
| mar/20/09/2022 07:00 | 3.0 | 94 | 5.6 | 35.9 |
| mar/20/09/2022 07:10 | 3.2 | 87 | 5.8 | 37.0 |
| mar/20/09/2022 07:20 | 3.1 | 81 | 5.7 | 39.0 |
| mar/20/09/2022 07:30 | 3.0 | 71 | 5.6 | 27.8 |
| mar/20/09/2022 07:40 | 3.1 | 75 | 5.8 | 38.0 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| Diurno (6-22) | m/s | deg | m/s | dB(A) |
| mar/20/09/2022 07:50 | 3.3 | 76 | 6.0 | 28.2 |
| mar/20/09/2022 08:00 | 3.7 | 63 | 6.5 | 35.1 |
| mar/20/09/2022 08:10 | 3.7 | 62 | 6.5 | 36.1 |
| mar/20/09/2022 08:20 | 3.9 | 66 | 6.8 | 42.0 |
| mar/20/09/2022 08:30 | 4.3 | 60 | 7.3 | 43.4 |
| mar/20/09/2022 08:40 | 3.8 | 46 | 6.7 | 39.6 |
| mar/20/09/2022 08:50 | 4.3 | 53 | 7.3 | 39.1 |
| mar/20/09/2022 09:00 | 4.2 | 81 | 7.2 | 41.1 |
| mar/20/09/2022 09:10 | 3.3 | 69 | 6.0 | 41.5 |
| mar/20/09/2022 09:20 | 4.7 | 53 | 7.8 | 40.4 |
| mar/20/09/2022 09:30 | 4.8 | 60 | 8.0 | 31.1 |
| mar/20/09/2022 09:40 | 4.5 | 62 | 7.5 | 37.7 |
| mar/20/09/2022 09:50 | 4.3 | 57 | 7.3 | 33.9 |
| mar/20/09/2022 10:00 | 3.9 | 56 | 6.8 | 32.0 |
| mar/20/09/2022 10:10 | 4.4 | 47 | 7.5 | 39.9 |
| mar/20/09/2022 10:20 | 4.0 | 44 | 6.9 | 40.8 |
| mar/20/09/2022 10:30 | 4.4 | 46 | 7.5 | 35.7 |
| mar/20/09/2022 10:40 | 5.1 | 58 | 8.3 | 33.8 |
| mar/20/09/2022 10:50 | 4.1 | 68 | 7.1 | 38.4 |
| mar/20/09/2022 11:00 | 3.2 | 74 | 5.8 | 30.3 |
| mar/20/09/2022 11:10 | 3.5 | 46 | 6.3 | 29.1 |
| mar/20/09/2022 11:20 | 3.4 | 56 | 6.1 | 33.3 |
| mar/20/09/2022 11:30 | 2.6 | 69 | 5.0 | 40.5 |
| mar/20/09/2022 11:40 | 4.1 | 89 | 7.1 | 34.4 |
| mar/20/09/2022 11:50 | 3.3 | 86 | 6.0 | 34.3 |
| mar/20/09/2022 12:00 | 4.5 | 85 | 7.6 | 41.6 |
| mar/20/09/2022 12:10 | 3.9 | 64 | 6.8 | 39.7 |
| mar/20/09/2022 12:20 | 4.3 | 90 | 7.3 | 40.1 |
| mar/20/09/2022 12:30 | 3.9 | 88 | 6.8 | 32.9 |
| mar/20/09/2022 12:40 | 3.4 | 99 | 6.1 | 38.8 |
| mar/20/09/2022 12:50 | 3.7 | 109 | 6.5 | 40.8 |
| mar/20/09/2022 13:00 | 2.8 | 98 | 5.3 | 37.6 |
| mar/20/09/2022 13:10 | 3.9 | 58 | 6.8 | 34.6 |
| mar/20/09/2022 13:20 | 5.5 | 45 | 8.9 | 43.4 |
| mar/20/09/2022 13:30 | 5.3 | 53 | 8.6 | 38.7 |
| mar/20/09/2022 13:40 | 5.1 | 57 | 8.3 | 38.1 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| Diurno (6-22) | m/s | deg | m/s | dB(A) |
| mar/20/09/2022 13:50 | 4.5 | 47 | 7.6 | 41.2 |
| mar/20/09/2022 14:00 | 4.7 | 63 | 7.9 | 36.2 |
| mar/20/09/2022 14:10 | 5.7 | 62 | 9.1 | 33.3 |
| mar/20/09/2022 14:20 | 7.0 | 58 | 10.8 | 44.8 |
| mar/20/09/2022 14:30 | 6.3 | 68 | 9.9 | 37.5 |
| mar/20/09/2022 14:40 | 6.2 | 68 | 9.8 | 33.8 |
| mar/20/09/2022 14:50 | 4.5 | 67 | 7.6 | 36.6 |
| mar/20/09/2022 15:00 | 4.8 | 71 | 7.9 | 31.6 |
| mar/20/09/2022 15:10 | 4.8 | 95 | 8.0 | 37.6 |
| mar/20/09/2022 15:20 | 4.4 | 89 | 7.5 | 37.7 |
| mar/20/09/2022 15:30 | 4.4 | 47 | 7.4 | 37.2 |
| mar/20/09/2022 15:40 | 3.8 | 61 | 6.7 | 29.1 |
| mar/20/09/2022 15:50 | 5.8 | 61 | 9.3 | 40.8 |
| mar/20/09/2022 16:00 | 7.6 | 89 | 11.5 | 40.3 |
| mar/20/09/2022 16:10 | 6.8 | 92 | 10.5 | 37.1 |
| mar/20/09/2022 16:20 | 6.3 | 75 | 10.0 | 44.7 |
| mar/20/09/2022 16:30 | 7.4 | 64 | 11.2 | 47.3 |
| mar/20/09/2022 16:40 | 7.1 | 63 | 10.9 | 46.8 |
| mar/20/09/2022 16:50 | 7.2 | 68 | 11.0 | 40.4 |
| mar/20/09/2022 17:00 | 6.4 | 80 | 10.0 | 37.8 |
| mar/20/09/2022 17:10 | 6.6 | 77 | 10.2 | 40.3 |
| mar/20/09/2022 17:20 | 6.4 | 65 | 10.0 | 34.8 |
| mar/20/09/2022 17:30 | 6.5 | 62 | 10.1 | 34.5 |
| mar/20/09/2022 17:40 | 6.1 | 70 | 9.7 | 42.0 |
| mar/20/09/2022 17:50 | 5.4 | 69 | 8.8 | 31.8 |
| mar/20/09/2022 18:00 | 5.6 | 77 | 9.0 | 38.0 |
| mar/20/09/2022 18:10 | 6.6 | 86 | 10.3 | 38.8 |
| mar/20/09/2022 18:20 | 6.0 | 85 | 9.6 | 38.0 |
| mar/20/09/2022 18:30 | 5.2 | 79 | 8.5 | 30.5 |
| mar/20/09/2022 18:40 | 4.1 | 73 | 7.1 | 35.1 |
| mar/20/09/2022 18:50 | 4.2 | 74 | 7.3 | 34.9 |
| mar/20/09/2022 19:00 | 4.2 | 81 | 7.2 | 43.7 |
| mar/20/09/2022 19:10 | 4.3 | 88 | 7.4 | 31.4 |
| mar/20/09/2022 19:20 | 4.0 | 82 | 6.9 | 31.7 |
| mar/20/09/2022 19:30 | 4.0 | 74 | 6.9 | 31.2 |
| mar/20/09/2022 19:40 | 4.1 | 67 | 7.1 | 33.1 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE | |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti | |
| Diurno (6-22) | m/s | deg | m/s | dB(A) | |
| mar/20/09/2022 19:50 | 4.0 | 67 | 7.0 | 39.8 | |
| mar/20/09/2022 20:00 | 3.8 | 64 | 6.7 | 35.4 | |
| mar/20/09/2022 20:10 | 3.9 | 70 | 6.8 | 39.2 | |
| mar/20/09/2022 20:20 | 4.1 | 62 | 7.1 | 39.5 | |
| mar/20/09/2022 20:30 | 4.6 | 63 | 7.7 | 38.2 | |
| mar/20/09/2022 20:40 | 4.4 | 67 | 7.4 | 31.8 | |
| mar/20/09/2022 20:50 | 4.5 | 64 | 7.7 | 31.7 | |
| mar/20/09/2022 21:00 | 5.3 | 63 | 8.6 | 40.5 | |
| mar/20/09/2022 21:10 | 5.2 | 64 | 8.5 | 37.1 | |
| mar/20/09/2022 21:20 | 4.2 | 62 | 7.2 | 32.1 | |
| mar/20/09/2022 21:30 | 5.4 | 49 | 8.8 | 34.4 | |
| mar/20/09/2022 21:40 | 5.5 | 54 | 8.9 | 37.5 | |
| mar/20/09/2022 21:50 | 5.0 | 51 | 8.3 | 43.2 | |
| MIN | 2.2 | 44.0 | 4.4 | 27.8 | |
| MAX | 12.5 | 305.0 | 17.2 | 50.1 | |
| MEDIANA | 5.4 | 179.5 | 8.8 | 38.3 | |
| MEDIA | 6.3 | 171.5 | 9.7 | 38.3 | |
| MODA | 5.5 | 279.0 | 8.9 | 36.1 | |
| | | | | Leq | 40.8 |

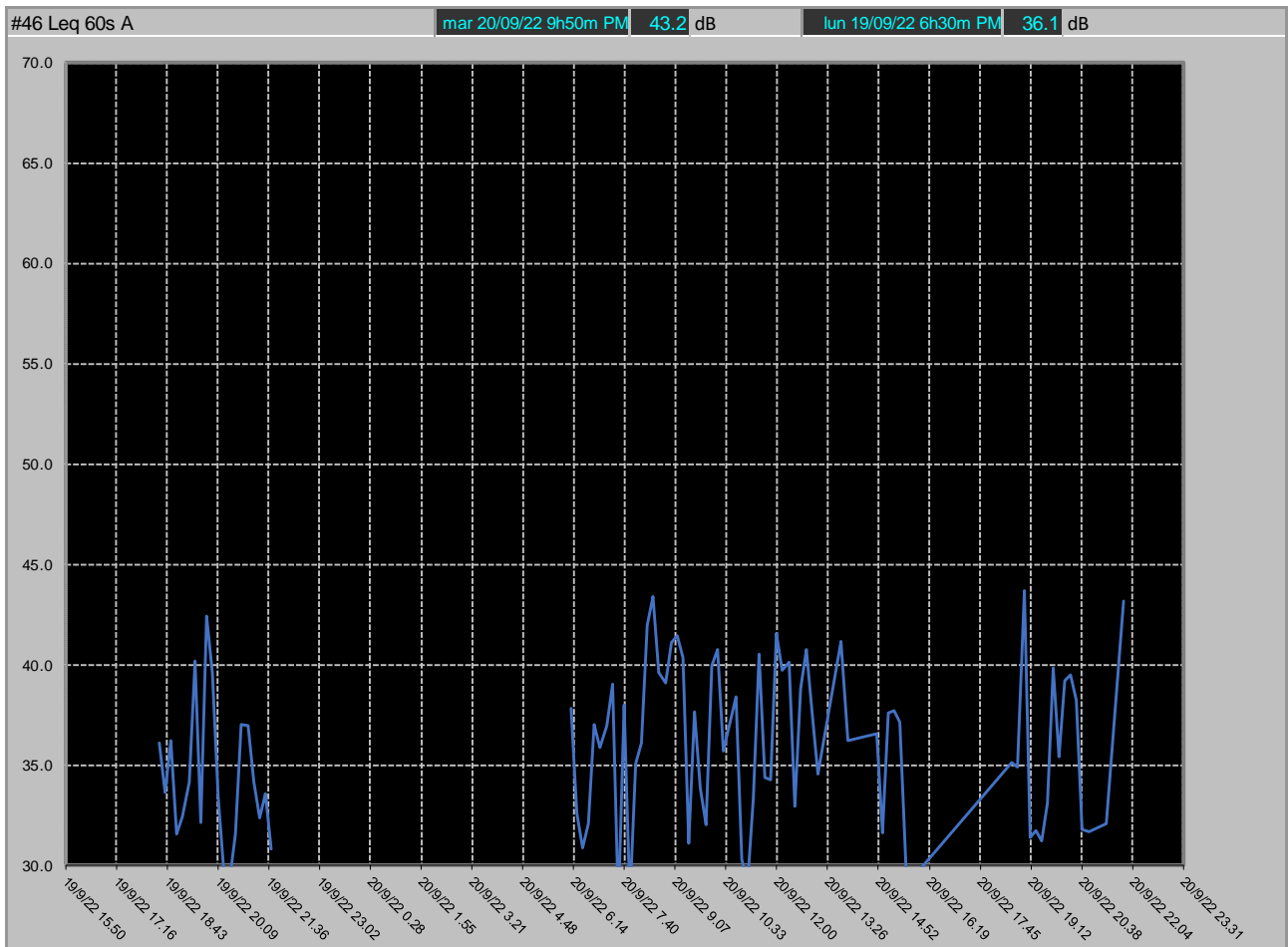


Validazione con vento ≤ 5 m/sec (D.M. 1 giugno 2022)

| DATE TIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| <i>Diurno (6-22)</i> | <i>m/s</i> | <i>deg</i> | <i>m/s</i> | <i>dB(A)</i> |
| mar/20/09/2022 06:40 | 2.4 | 74 | 4.7 | 32.1 |
| mar/20/09/2022 06:30 | 2.6 | 93 | 5.0 | 30.9 |
| mar/20/09/2022 11:30 | 2.6 | 69 | 5.0 | 40.5 |
| lun/19/09/2022 21:00 | 2.6 | 274 | 5.0 | 36.9 |
| lun/19/09/2022 21:40 | 2.7 | 281 | 5.1 | 30.8 |
| mar/20/09/2022 13:00 | 2.8 | 98 | 5.3 | 37.6 |
| mar/20/09/2022 07:00 | 3.0 | 94 | 5.6 | 35.9 |
| mar/20/09/2022 06:20 | 3.0 | 109 | 5.6 | 32.6 |
| mar/20/09/2022 07:30 | 3.0 | 71 | 5.6 | 27.8 |
| lun/19/09/2022 21:30 | 3.1 | 270 | 5.7 | 33.6 |
| mar/20/09/2022 07:20 | 3.1 | 81 | 5.7 | 39.0 |
| lun/19/09/2022 20:30 | 3.1 | 272 | 5.7 | 29.3 |
| mar/20/09/2022 06:50 | 3.1 | 83 | 5.7 | 37.0 |
| mar/20/09/2022 07:40 | 3.1 | 75 | 5.8 | 38.0 |
| mar/20/09/2022 07:10 | 3.2 | 87 | 5.8 | 37.0 |
| mar/20/09/2022 11:00 | 3.2 | 74 | 5.8 | 30.3 |
| lun/19/09/2022 21:10 | 3.3 | 279 | 6.0 | 34.1 |
| mar/20/09/2022 07:50 | 3.3 | 76 | 6.0 | 28.2 |
| mar/20/09/2022 09:10 | 3.3 | 69 | 6.0 | 41.5 |
| mar/20/09/2022 11:50 | 3.3 | 86 | 6.0 | 34.3 |
| lun/19/09/2022 20:50 | 3.4 | 293 | 6.1 | 37.0 |
| mar/20/09/2022 12:40 | 3.4 | 99 | 6.1 | 38.8 |
| mar/20/09/2022 11:20 | 3.4 | 56 | 6.1 | 33.3 |
| lun/19/09/2022 20:40 | 3.4 | 285 | 6.2 | 31.6 |
| lun/19/09/2022 19:40 | 3.5 | 269 | 6.2 | 32.1 |
| mar/20/09/2022 06:10 | 3.5 | 111 | 6.2 | 37.8 |
| lun/19/09/2022 19:30 | 3.5 | 281 | 6.3 | 40.2 |
| mar/20/09/2022 11:10 | 3.5 | 46 | 6.3 | 29.1 |
| lun/19/09/2022 21:20 | 3.5 | 283 | 6.3 | 32.3 |
| lun/19/09/2022 20:10 | 3.7 | 284 | 6.5 | 33.4 |
| lun/19/09/2022 19:00 | 3.7 | 254 | 6.5 | 31.6 |
| lun/19/09/2022 20:00 | 3.7 | 287 | 6.5 | 39.6 |
| mar/20/09/2022 12:50 | 3.7 | 109 | 6.5 | 40.8 |
| mar/20/09/2022 08:00 | 3.7 | 63 | 6.5 | 35.1 |
| mar/20/09/2022 08:10 | 3.7 | 62 | 6.5 | 36.1 |
| lun/19/09/2022 19:50 | 3.8 | 281 | 6.6 | 42.4 |
| mar/20/09/2022 20:00 | 3.8 | 64 | 6.7 | 35.4 |
| mar/20/09/2022 08:40 | 3.8 | 46 | 6.7 | 39.6 |
| mar/20/09/2022 15:40 | 3.8 | 61 | 6.7 | 29.1 |

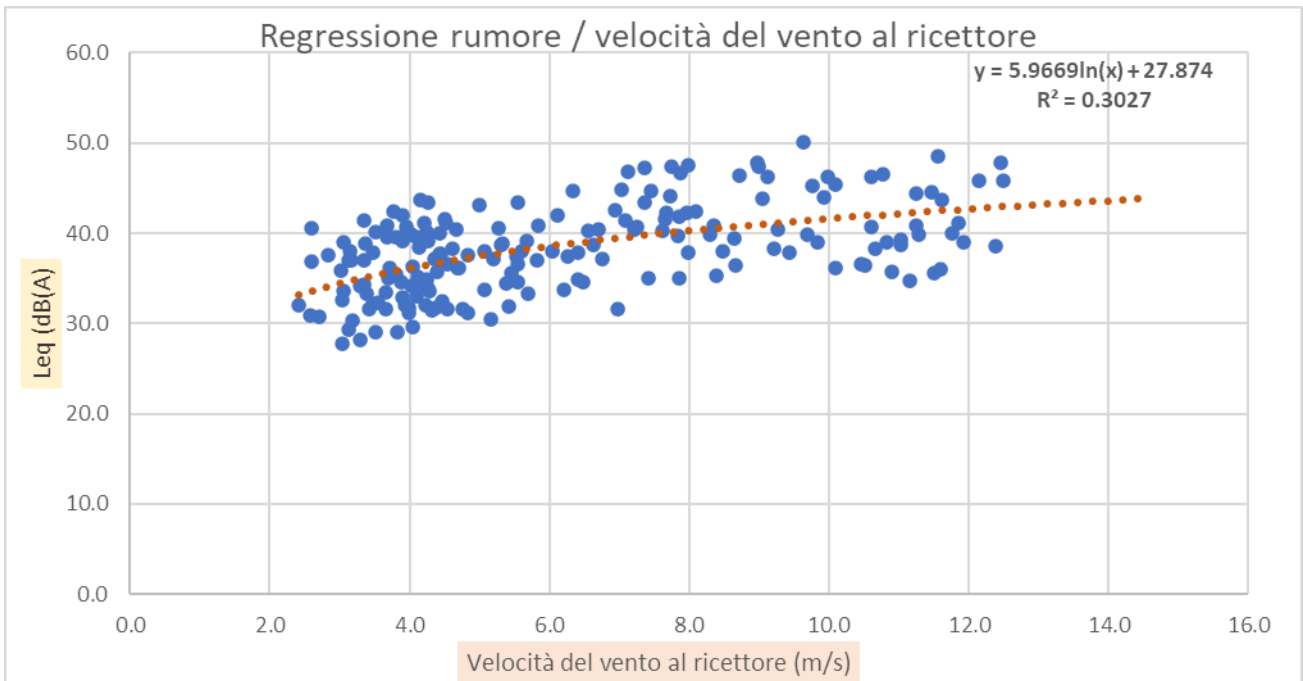
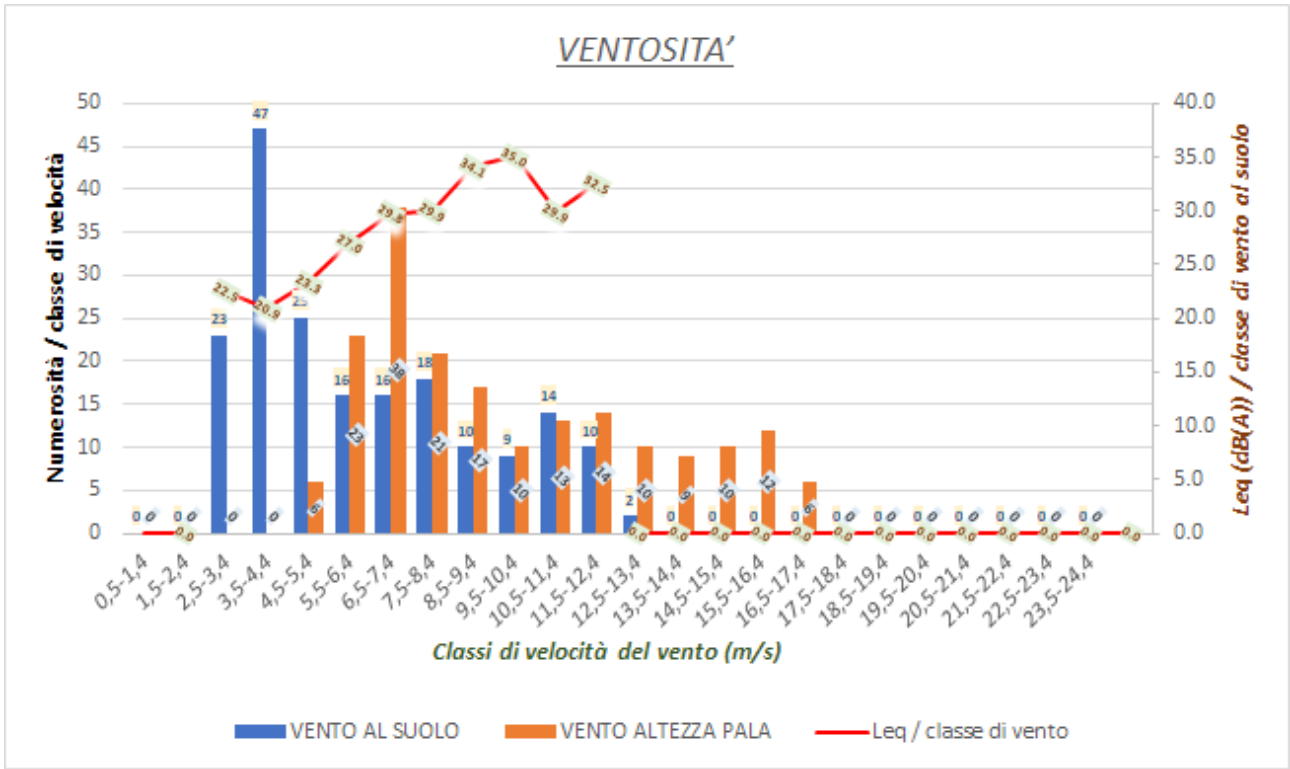
| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| <i>Diurno (6-22)</i> | <i>m/s</i> | <i>deg</i> | <i>m/s</i> | <i>dB(A)</i> |
| mar/20/09/2022 13:10 | 3.9 | 58 | 6.8 | 34.6 |
| mar/20/09/2022 08:20 | 3.9 | 66 | 6.8 | 42.0 |
| mar/20/09/2022 12:30 | 3.9 | 88 | 6.8 | 32.9 |
| mar/20/09/2022 20:10 | 3.9 | 70 | 6.8 | 39.2 |
| mar/20/09/2022 12:10 | 3.9 | 64 | 6.8 | 39.7 |
| mar/20/09/2022 10:00 | 3.9 | 56 | 6.8 | 32.0 |
| mar/20/09/2022 10:20 | 4.0 | 44 | 6.9 | 40.8 |
| mar/20/09/2022 19:20 | 4.0 | 82 | 6.9 | 31.7 |
| mar/20/09/2022 19:30 | 4.0 | 74 | 6.9 | 31.2 |
| lun/19/09/2022 19:20 | 4.0 | 273 | 7.0 | 34.1 |
| mar/20/09/2022 19:50 | 4.0 | 67 | 7.0 | 39.8 |
| lun/19/09/2022 18:50 | 4.0 | 266 | 7.0 | 36.2 |
| lun/19/09/2022 20:20 | 4.0 | 280 | 7.0 | 29.6 |
| mar/20/09/2022 20:20 | 4.1 | 62 | 7.1 | 39.5 |
| mar/20/09/2022 19:40 | 4.1 | 67 | 7.1 | 33.1 |
| mar/20/09/2022 18:40 | 4.1 | 73 | 7.1 | 35.1 |
| mar/20/09/2022 11:40 | 4.1 | 89 | 7.1 | 34.4 |
| mar/20/09/2022 10:50 | 4.1 | 68 | 7.1 | 38.4 |
| mar/20/09/2022 19:00 | 4.2 | 81 | 7.2 | 43.7 |
| mar/20/09/2022 09:00 | 4.2 | 81 | 7.2 | 41.1 |
| mar/20/09/2022 21:20 | 4.2 | 62 | 7.2 | 32.1 |
| mar/20/09/2022 18:50 | 4.2 | 74 | 7.3 | 34.9 |
| mar/20/09/2022 12:20 | 4.3 | 90 | 7.3 | 40.1 |
| mar/20/09/2022 08:50 | 4.3 | 53 | 7.3 | 39.1 |
| mar/20/09/2022 08:30 | 4.3 | 60 | 7.3 | 43.4 |
| mar/20/09/2022 09:50 | 4.3 | 57 | 7.3 | 33.9 |
| lun/19/09/2022 18:40 | 4.3 | 262 | 7.3 | 33.6 |
| mar/20/09/2022 19:10 | 4.3 | 88 | 7.4 | 31.4 |
| mar/20/09/2022 15:30 | 4.4 | 47 | 7.4 | 37.2 |
| mar/20/09/2022 20:40 | 4.4 | 67 | 7.4 | 31.8 |
| mar/20/09/2022 10:30 | 4.4 | 46 | 7.5 | 35.7 |
| mar/20/09/2022 10:10 | 4.4 | 47 | 7.5 | 39.9 |
| mar/20/09/2022 15:20 | 4.4 | 89 | 7.5 | 37.7 |
| mar/20/09/2022 09:40 | 4.5 | 62 | 7.5 | 37.7 |
| lun/19/09/2022 19:10 | 4.5 | 258 | 7.6 | 32.4 |
| mar/20/09/2022 12:00 | 4.5 | 85 | 7.6 | 41.6 |
| mar/20/09/2022 13:50 | 4.5 | 47 | 7.6 | 41.2 |
| mar/20/09/2022 14:50 | 4.5 | 67 | 7.6 | 36.6 |
| mar/20/09/2022 20:50 | 4.5 | 64 | 7.7 | 31.7 |
| mar/20/09/2022 20:30 | 4.6 | 63 | 7.7 | 38.2 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE | |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti | |
| <i>Diurno (6-22)</i> | <i>m/s</i> | <i>deg</i> | <i>m/s</i> | <i>dB(A)</i> | |
| mar/20/09/2022 09:20 | 4.7 | 53 | 7.8 | 40.4 | |
| mar/20/09/2022 14:00 | 4.7 | 63 | 7.9 | 36.2 | |
| lun/19/09/2022 18:30 | 4.7 | 248 | 7.9 | 36.1 | |
| mar/20/09/2022 15:00 | 4.8 | 71 | 7.9 | 31.6 | |
| mar/20/09/2022 09:30 | 4.8 | 60 | 8.0 | 31.1 | |
| mar/20/09/2022 15:10 | 4.8 | 95 | 8.0 | 37.6 | |
| mar/20/09/2022 21:50 | 5.0 | 51 | 8.3 | 43.2 | |
| mar/20/09/2022 21:50 | 5.0 | 51 | 8.3 | 43.2 | |
| MIN | 2.4 | 44.0 | 4.7 | 27.8 | |
| MAX | 5.0 | 293.0 | 8.3 | 43.7 | |
| MEDIANA | 3.9 | 74.5 | 6.8 | 36.0 | |
| MEDIA | 3.8 | 118.5 | 6.7 | 35.8 | |
| MODA | 3.9 | 74.0 | 6.8 | 32.1 | |
| | | | | Leq | 37.5 |



VENTOSITA' RILEVATA

| CLASSI DI VENTO(m/s) | Numerosità alla sorgente (h = 105 m) | Numerosità al ricettore (h = 4 m) | Leq_i (dB(A)) / Classe di vento al ricettore |
|-----------------------------|---|--|---|
| 0,5-1,4 | 0 | 0 | - |
| 1,5-2,4 | 0 | 0 | - |
| 2,5-3,4 | 0 | 23 | 22.5 |
| 3,5-4,4 | 0 | 47 | 20.9 |
| 4,5-5,4 | 6 | 25 | 23.3 |
| 5,5-6,4 | 23 | 16 | 27.0 |
| 6,5-7,4 | 38 | 16 | 29.8 |
| 7,5-8,4 | 21 | 18 | 29.9 |
| 8,5-9,4 | 17 | 10 | 34.1 |
| 9,5-10,4 | 10 | 9 | 35.0 |
| 10,5-11,4 | 13 | 14 | 29.9 |
| 11,5-12,4 | 14 | 10 | 32.5 |
| 12,5-13,4 | 10 | 2 | - |
| 13,5-14,4 | 9 | 0 | - |
| 14,5-15,4 | 10 | 0 | - |
| 15,5-16,4 | 12 | 0 | - |
| 16,5-17,4 | 6 | 0 | - |
| 17,5-18,4 | 0 | 0 | - |
| 18,5-19,4 | 0 | 0 | - |
| 19,5-20,4 | 0 | 0 | - |
| 20,5-21,4 | 0 | 0 | - |
| 21,5-22,4 | 0 | 0 | - |
| 22,5-23,4 | 0 | 0 | - |
| 23,5-24,4 | 0 | 0 | - |
| 24,5-25,4 | 0 | 0 | - |



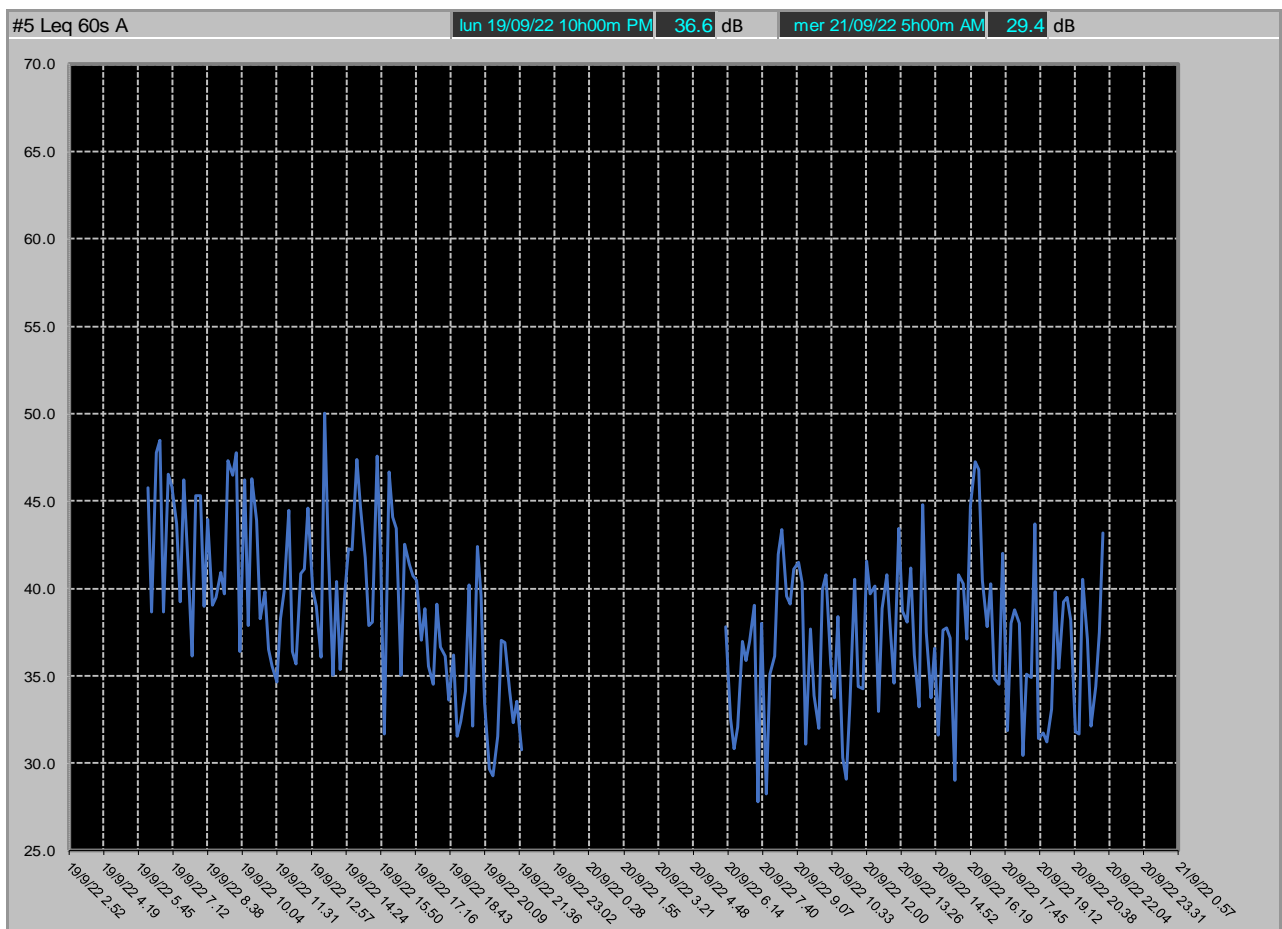
Misure notturne

TOTALI

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|--------------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| <i>Notturmo (22 - 6)</i> | <i>m/s</i> | <i>deg</i> | <i>m/s</i> | <i>dB(A)</i> |
| lun/19/09/2022 22:00 | 2.2 | 319 | 4.5 | 36.6 |
| lun/19/09/2022 22:10 | 2.4 | 355 | 4.7 | 35.5 |
| lun/19/09/2022 22:20 | 3.9 | 1 | 6.8 | 33.2 |
| lun/19/09/2022 22:30 | 3.3 | 351 | 5.9 | 43.1 |
| lun/19/09/2022 22:40 | 2.2 | 322 | 4.4 | 40.9 |
| lun/19/09/2022 22:50 | 1.7 | 307 | 3.7 | 38.0 |
| lun/19/09/2022 23:00 | 2.4 | 349 | 4.7 | 40.6 |
| lun/19/09/2022 23:10 | 1.9 | 326 | 4.0 | 33.7 |
| lun/19/09/2022 23:20 | 0.8 | 305 | 2.2 | 31.0 |
| lun/19/09/2022 23:30 | 0.7 | 291 | 2.1 | 26.8 |
| lun/19/09/2022 23:40 | 1.0 | 290 | 2.5 | 38.6 |
| lun/19/09/2022 23:50 | 0.9 | 51 | 2.3 | 32.2 |
| mar/20/09/2022 00:00 | 1.7 | 55 | 3.6 | 30.6 |
| mar/20/09/2022 00:10 | 2.3 | 43 | 4.5 | 45.5 |
| mar/20/09/2022 00:20 | 2.4 | 42 | 4.7 | 33.1 |
| mar/20/09/2022 00:30 | 2.6 | 43 | 4.9 | 35.1 |
| mar/20/09/2022 00:40 | 2.6 | 42 | 5.0 | 42.7 |
| mar/20/09/2022 00:50 | 2.5 | 41 | 4.8 | 32.0 |
| mar/20/09/2022 01:00 | 2.6 | 48 | 5.0 | 28.6 |
| mar/20/09/2022 01:10 | 2.8 | 41 | 5.3 | 32.7 |
| mar/20/09/2022 01:20 | 2.4 | 45 | 4.7 | 37.7 |
| mar/20/09/2022 01:30 | 2.4 | 57 | 4.7 | 31.7 |
| mar/20/09/2022 01:40 | 2.7 | 69 | 5.2 | 36.8 |
| mar/20/09/2022 01:50 | 2.7 | 78 | 5.2 | 44.3 |
| mar/20/09/2022 02:00 | 2.7 | 87 | 5.1 | 38.6 |
| mar/20/09/2022 02:10 | 2.7 | 85 | 5.2 | 40.2 |
| mar/20/09/2022 02:20 | 3.1 | 89 | 5.8 | 44.1 |
| mar/20/09/2022 02:30 | 3.1 | 90 | 5.7 | 36.6 |
| mar/20/09/2022 02:40 | 3.1 | 91 | 5.8 | 32.8 |
| mar/20/09/2022 02:50 | 2.8 | 94 | 5.3 | 42.8 |
| mar/20/09/2022 03:00 | 2.7 | 92 | 5.2 | 34.2 |
| mar/20/09/2022 03:10 | 3.1 | 83 | 5.6 | 36.2 |
| mar/20/09/2022 03:20 | 2.9 | 94 | 5.4 | 37.7 |
| mar/20/09/2022 03:30 | 2.4 | 110 | 4.7 | 35.6 |
| mar/20/09/2022 03:40 | 2.7 | 96 | 5.2 | 36.0 |
| mar/20/09/2022 03:50 | 2.3 | 61 | 4.6 | 36.3 |
| mar/20/09/2022 04:00 | 1.8 | 68 | 3.7 | 35.3 |
| mar/20/09/2022 04:10 | 1.6 | 66 | 3.4 | 42.5 |
| mar/20/09/2022 04:20 | 1.9 | 61 | 4.0 | 43.0 |

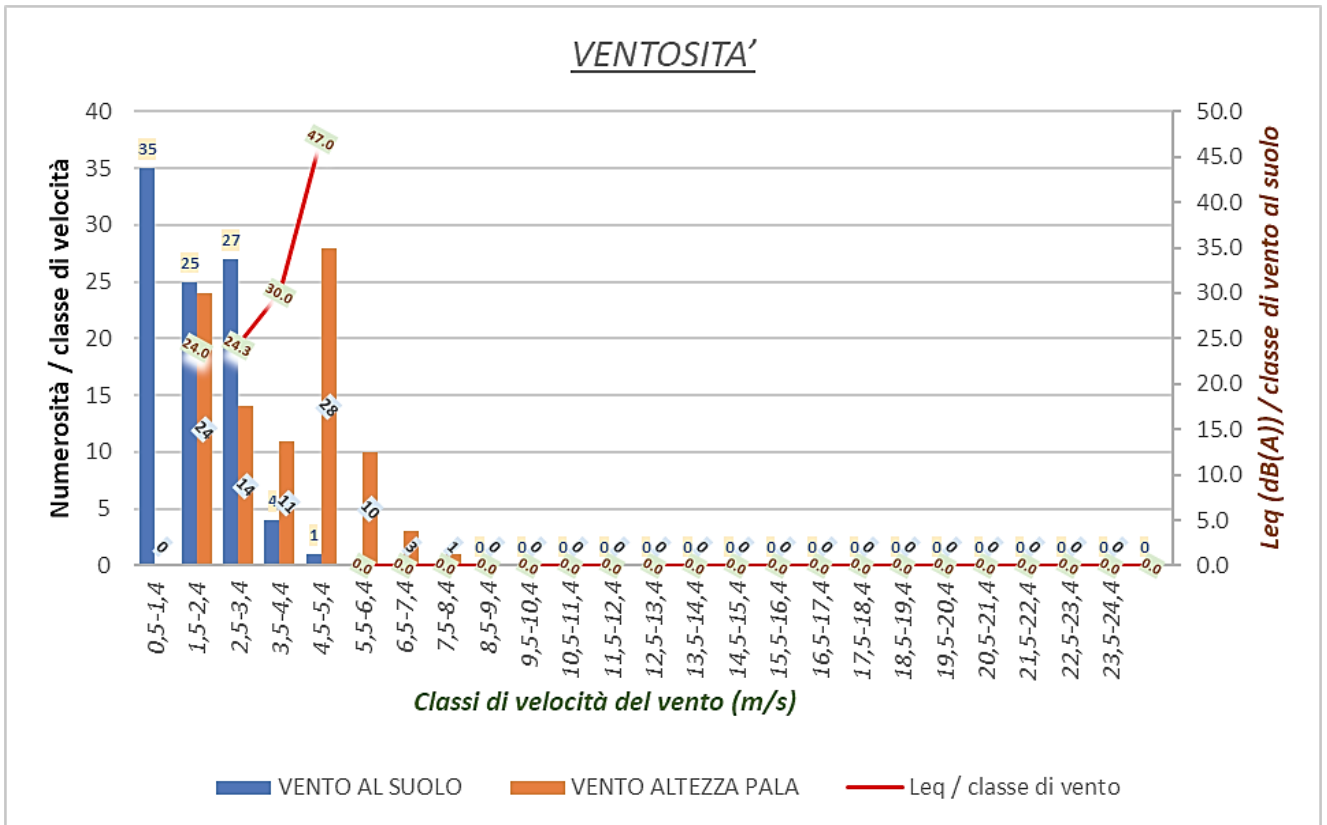
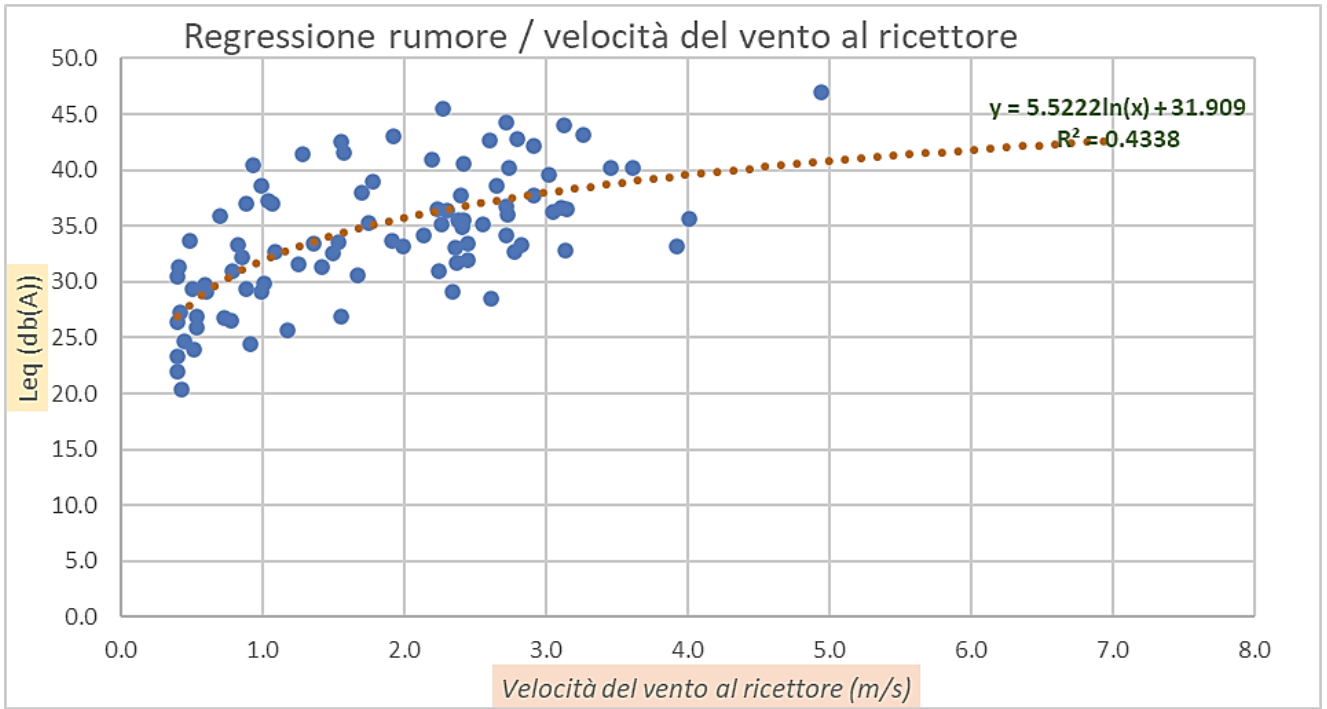
| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|--------------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| <i>Notturmo (22 - 6)</i> | <i>m/s</i> | <i>deg</i> | <i>m/s</i> | <i>dB(A)</i> |
| mar/20/09/2022 04:30 | 2.3 | 61 | 4.5 | 35.2 |
| mar/20/09/2022 04:40 | 2.5 | 68 | 4.8 | 33.4 |
| mar/20/09/2022 04:50 | 2.4 | 77 | 4.7 | 34.9 |
| mar/20/09/2022 05:00 | 2.3 | 80 | 4.6 | 29.1 |
| mar/20/09/2022 05:10 | 2.2 | 87 | 4.5 | 31.0 |
| mar/20/09/2022 05:20 | 2.8 | 85 | 5.3 | 33.3 |
| mar/20/09/2022 05:30 | 3.0 | 94 | 5.6 | 39.6 |
| mar/20/09/2022 05:40 | 3.2 | 100 | 5.8 | 36.4 |
| mar/20/09/2022 05:50 | 3.5 | 103 | 6.2 | 40.2 |
| mar/20/09/2022 22:00 | 4.9 | 50 | 8.2 | 47.0 |
| mar/20/09/2022 22:10 | 4.0 | 77 | 7.0 | 35.7 |
| mar/20/09/2022 22:20 | 3.6 | 105 | 6.4 | 40.2 |
| mar/20/09/2022 22:30 | 2.9 | 118 | 5.4 | 42.2 |
| mar/20/09/2022 22:40 | 2.1 | 118 | 4.3 | 34.1 |
| mar/20/09/2022 22:50 | 1.1 | 116 | 2.7 | 37.0 |
| mar/20/09/2022 23:00 | 1.8 | 48 | 3.8 | 38.9 |
| mar/20/09/2022 23:10 | 2.0 | 71 | 4.1 | 33.1 |
| mar/20/09/2022 23:20 | 0.9 | 88 | 2.4 | 24.5 |
| mar/20/09/2022 23:30 | 0.4 | 284 | 1.5 | 21.9 |
| mar/20/09/2022 23:40 | 1.4 | 139 | 3.2 | 31.3 |
| mar/20/09/2022 23:50 | 1.5 | 112 | 3.4 | 32.5 |
| mer/21/09/2022 00:00 | 0.7 | 127 | 2.0 | 35.9 |
| mer/21/09/2022 00:10 | 0.4 | 129 | 1.5 | 20.4 |
| mer/21/09/2022 00:20 | 0.4 | 308 | 1.5 | 31.3 |
| mer/21/09/2022 00:30 | 0.6 | 264 | 1.8 | 29.2 |
| mer/21/09/2022 00:40 | 0.4 | 206 | 1.5 | 30.5 |
| mer/21/09/2022 00:50 | 0.4 | 241 | 1.5 | 26.4 |
| mer/21/09/2022 01:00 | 0.8 | 261 | 2.2 | 33.3 |
| mer/21/09/2022 01:10 | 0.4 | 238 | 1.5 | 23.3 |
| mer/21/09/2022 01:20 | 0.9 | 193 | 2.3 | 29.4 |
| mer/21/09/2022 01:30 | 0.5 | 198 | 1.7 | 25.9 |
| mer/21/09/2022 01:40 | 0.9 | 158 | 2.4 | 40.5 |
| mer/21/09/2022 01:50 | 0.8 | 156 | 2.2 | 26.5 |
| mer/21/09/2022 02:00 | 0.6 | 207 | 1.8 | 29.7 |
| mer/21/09/2022 02:10 | 1.4 | 182 | 3.1 | 33.4 |
| mer/21/09/2022 02:20 | 1.0 | 164 | 2.6 | 37.2 |
| mer/21/09/2022 02:30 | 1.0 | 156 | 2.5 | 29.1 |
| mer/21/09/2022 02:40 | 1.3 | 129 | 3.0 | 31.6 |
| mer/21/09/2022 02:50 | 1.1 | 124 | 2.7 | 32.7 |
| mer/21/09/2022 03:00 | 0.5 | 189 | 1.6 | 33.7 |
| mer/21/09/2022 03:10 | 1.0 | 156 | 2.6 | 29.8 |
| mer/21/09/2022 03:20 | 0.9 | 154 | 2.3 | 37.0 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE | |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti | |
| Notturmo (22 - 6) | m/s | deg | m/s | dB(A) | |
| mer/21/09/2022 03:30 | 1.6 | 135 | 3.5 | 41.5 | |
| mer/21/09/2022 03:40 | 1.2 | 159 | 2.8 | 25.6 | |
| mer/21/09/2022 03:50 | 1.6 | 146 | 3.4 | 26.9 | |
| mer/21/09/2022 04:00 | 1.5 | 136 | 3.4 | 33.6 | |
| mer/21/09/2022 04:10 | 1.3 | 148 | 3.0 | 41.5 | |
| mer/21/09/2022 04:20 | 0.5 | 208 | 1.7 | 23.9 | |
| mer/21/09/2022 04:30 | 0.5 | 195 | 1.7 | 27.0 | |
| mer/21/09/2022 04:40 | 0.4 | 171 | 1.5 | 27.3 | |
| mer/21/09/2022 04:50 | 0.5 | 153 | 1.6 | 24.7 | |
| mer/21/09/2022 05:00 | 0.5 | 90 | 1.7 | 29.4 | |
| MIN | 0.4 | 1.0 | 1.5 | 20.4 | |
| MAX | 4.9 | 355.0 | 8.2 | 47.0 | |
| MEDIANA | 1.9 | 112.0 | 4.0 | 33.7 | |
| MEDIA | 1.9 | 139.6 | 3.8 | 34.2 | |
| MODA | 2.4 | 94.0 | 1.5 | #N/D | |
| | | | | Leq | 37.6 |



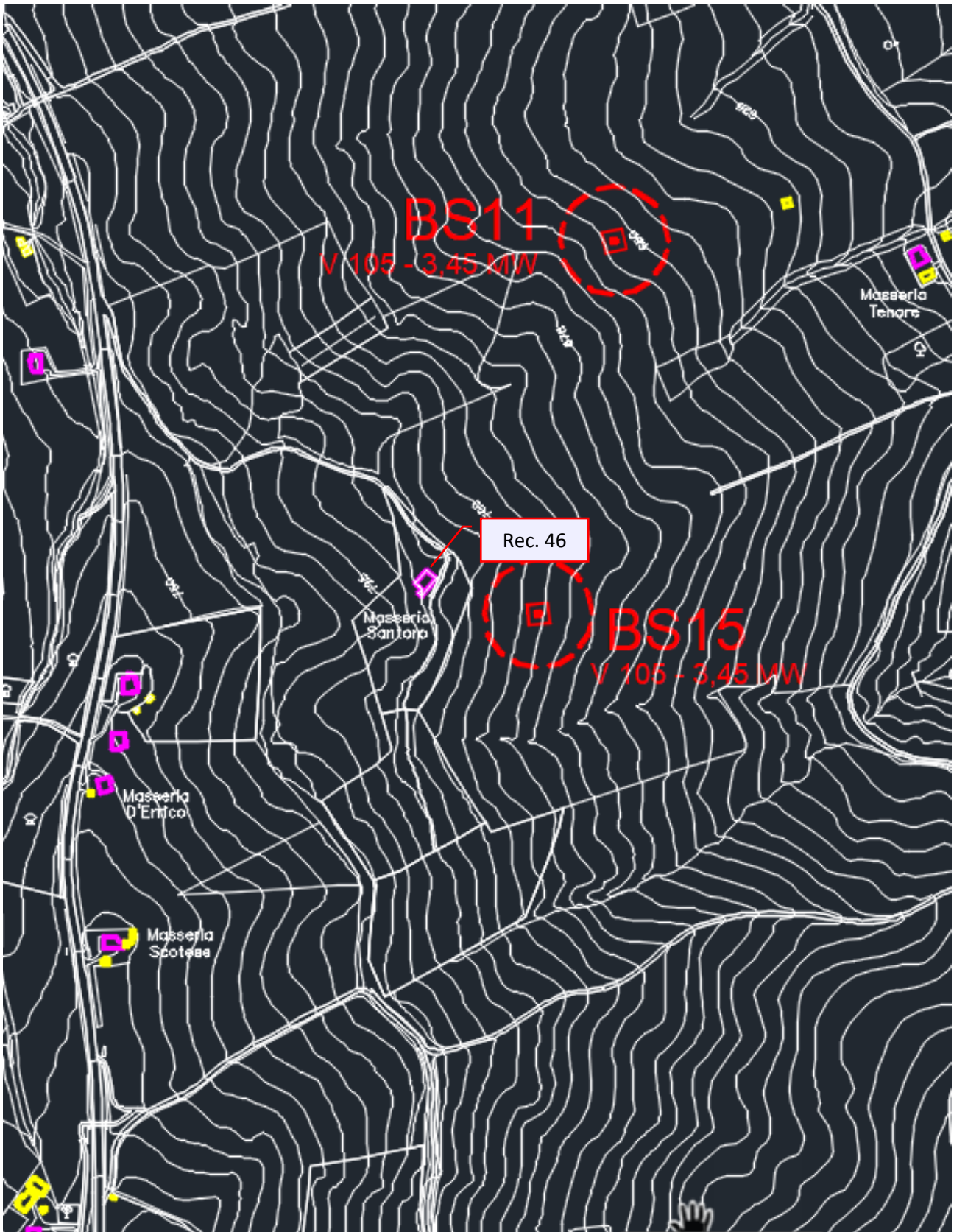
VENTOSITA' RILEVATA

| CLASSI DI VENTO(m/s) | Numerosità alla sorgente (h = 105 m) | Numerosità al ricettore (h = 4 m) | Leq_i (dB(A)) / Classe di vento al ricettore |
|-----------------------------|---|--|---|
| 0,5-1,4 | 0 | 35 | 18.0 |
| 1,5-2,4 | 24 | 25 | 24.0 |
| 2,5-3,4 | 14 | 27 | 24.3 |
| 3,5-4,4 | 11 | 4 | 30.0 |
| 4,5-5,4 | 28 | 1 | 47.0 |
| 5,5-6,4 | 10 | 0 | - |
| 6,5-7,4 | 3 | 0 | - |
| 7,5-8,4 | 1 | 0 | - |
| 8,5-9,4 | 0 | 0 | - |
| 9,5-10,4 | 0 | 0 | - |
| 10,5-11,4 | 0 | 0 | - |
| 11,5-12,4 | 0 | 0 | - |
| 12,5-13,4 | 0 | 0 | - |
| 13,5-14,4 | 0 | 0 | - |
| 14,5-15,4 | 0 | 0 | - |
| 15,5-16,4 | 0 | 0 | - |
| 16,5-17,4 | 0 | 0 | - |
| 17,5-18,4 | 0 | 0 | - |
| 18,5-19,4 | 0 | 0 | - |
| 19,5-20,4 | 0 | 0 | - |
| 20,5-21,4 | 0 | 0 | - |
| 21,5-22,4 | 0 | 0 | - |
| 22,5-23,4 | 0 | 0 | - |
| 23,5-24,4 | 0 | 0 | - |
| 24,5-25,4 | 0 | 0 | - |



RECETTORE MISURATON. 2

| Nome Ricettore | Altezza | Coordinate UTM WGS 84 Fuse 33 | | |
|----------------|----------|-------------------------------|----------|----------|
| | <i>H</i> | <i>X</i> | <i>Y</i> | <i>Z</i> |
| | (m) | (m) | (m) | (m) |
| R_46 | 720.61 | 530635.4 | 4542700 | 720.61 |



Misure diurne

TOTALI

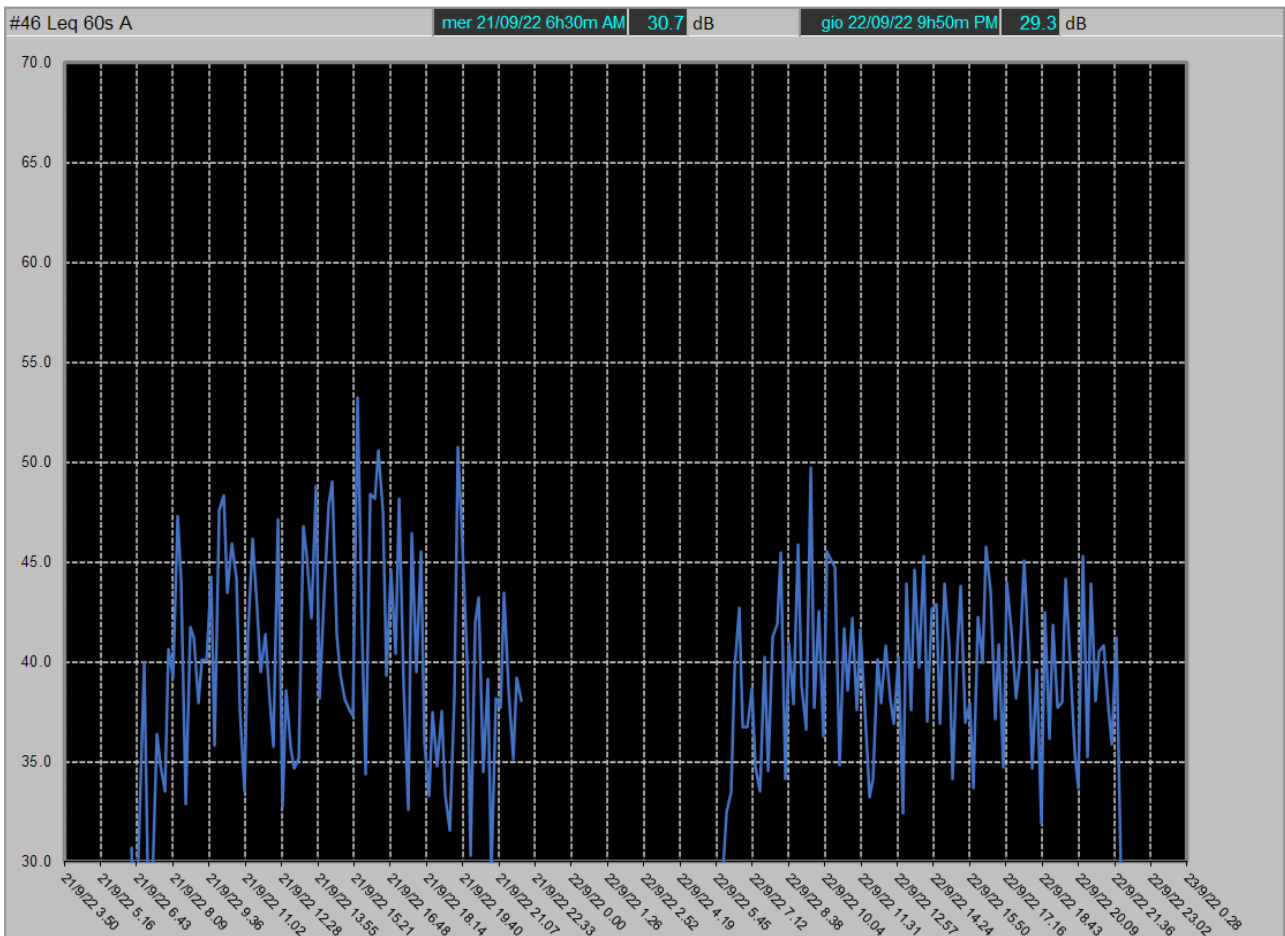
| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| <i>Diurno (6-22)</i> | <i>m/s</i> | <i>deg</i> | <i>m/s</i> | <i>dB(A)</i> |
| mer/21/09/2022 06:30 | 1.2 | 323 | 2.9 | 30.7 |
| mer/21/09/2022 06:40 | 0.5 | 281 | 1.6 | 24.4 |
| mer/21/09/2022 06:50 | 0.7 | 301 | 2.0 | 32.4 |
| mer/21/09/2022 07:00 | 1.5 | 346 | 3.4 | 39.9 |
| mer/21/09/2022 07:10 | 1.3 | 333 | 3.0 | 29.6 |
| mer/21/09/2022 07:20 | 0.8 | 350 | 2.1 | 28.9 |
| mer/21/09/2022 07:30 | 1.7 | 40 | 3.6 | 36.4 |
| mer/21/09/2022 07:40 | 2.3 | 60 | 4.6 | 34.8 |
| mer/21/09/2022 07:50 | 3.4 | 60 | 6.1 | 33.5 |
| mer/21/09/2022 08:00 | 4.1 | 52 | 7.0 | 40.6 |
| mer/21/09/2022 08:10 | 4.5 | 51 | 7.6 | 39.2 |
| mer/21/09/2022 08:20 | 4.7 | 58 | 7.9 | 47.3 |
| mer/21/09/2022 08:30 | 5.1 | 60 | 8.4 | 44.0 |
| mer/21/09/2022 08:40 | 5.2 | 63 | 8.5 | 32.9 |
| mer/21/09/2022 08:50 | 5.8 | 60 | 9.2 | 41.8 |
| mer/21/09/2022 09:00 | 6.8 | 75 | 10.5 | 41.2 |
| mer/21/09/2022 09:10 | 6.1 | 69 | 9.7 | 37.9 |
| mer/21/09/2022 09:20 | 6.4 | 69 | 10.0 | 40.1 |
| mer/21/09/2022 09:30 | 6.5 | 60 | 10.2 | 40.1 |
| mer/21/09/2022 09:40 | 6.2 | 65 | 9.8 | 44.3 |
| mer/21/09/2022 09:50 | 6.1 | 55 | 9.6 | 35.8 |
| mer/21/09/2022 10:00 | 6.4 | 71 | 10.0 | 47.6 |
| mer/21/09/2022 10:10 | 6.9 | 63 | 10.7 | 48.3 |
| mer/21/09/2022 10:20 | 6.5 | 62 | 10.1 | 43.5 |
| mer/21/09/2022 10:30 | 6.6 | 75 | 10.3 | 45.9 |
| mer/21/09/2022 10:40 | 6.4 | 57 | 10.1 | 44.1 |
| mer/21/09/2022 10:50 | 5.6 | 53 | 9.0 | 37.6 |
| mer/21/09/2022 11:00 | 5.9 | 50 | 9.4 | 33.5 |
| mer/21/09/2022 11:10 | 6.1 | 57 | 9.7 | 41.4 |
| mer/21/09/2022 11:20 | 5.6 | 60 | 9.0 | 46.2 |
| mer/21/09/2022 11:30 | 5.7 | 50 | 9.1 | 42.6 |
| mer/21/09/2022 11:40 | 6.0 | 50 | 9.5 | 39.5 |
| mer/21/09/2022 11:50 | 4.4 | 62 | 7.5 | 41.4 |
| mer/21/09/2022 12:00 | 5.2 | 52 | 8.5 | 38.0 |
| mer/21/09/2022 12:10 | 4.9 | 48 | 8.1 | 35.8 |
| mer/21/09/2022 12:20 | 4.2 | 67 | 7.2 | 47.1 |
| mer/21/09/2022 12:30 | 4.9 | 57 | 8.1 | 32.8 |
| mer/21/09/2022 12:40 | 6.0 | 43 | 9.5 | 38.6 |
| mer/21/09/2022 12:50 | 7.4 | 41 | 11.2 | 35.7 |
| mer/21/09/2022 13:00 | 7.2 | 38 | 11.0 | 34.7 |
| mer/21/09/2022 13:10 | 5.5 | 57 | 8.9 | 35.2 |
| mer/21/09/2022 13:20 | 7.3 | 43 | 11.1 | 46.8 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| <i>Diurno (6-22)</i> | <i>m/s</i> | <i>deg</i> | <i>m/s</i> | <i>dB(A)</i> |
| mer/21/09/2022 13:30 | 8.7 | 15 | 12.8 | 45.2 |
| mer/21/09/2022 13:40 | 8.7 | 14 | 12.8 | 42.2 |
| mer/21/09/2022 13:50 | 8.0 | 20 | 12.0 | 48.8 |
| mer/21/09/2022 14:00 | 7.3 | 38 | 11.1 | 38.2 |
| mer/21/09/2022 14:10 | 7.2 | 32 | 11.0 | 43.3 |
| mer/21/09/2022 14:20 | 8.2 | 24 | 12.2 | 47.9 |
| mer/21/09/2022 14:30 | 7.7 | 21 | 11.7 | 49.0 |
| mer/21/09/2022 14:40 | 7.8 | 25 | 11.7 | 41.3 |
| mer/21/09/2022 14:50 | 7.7 | 15 | 11.6 | 39.4 |
| mer/21/09/2022 15:00 | 8.7 | 33 | 12.8 | 38.1 |
| mer/21/09/2022 15:10 | 7.1 | 48 | 10.8 | 37.6 |
| mer/21/09/2022 15:20 | 6.6 | 28 | 10.3 | 37.3 |
| mer/21/09/2022 15:30 | 7.0 | 39 | 10.8 | 53.2 |
| mer/21/09/2022 15:40 | 7.7 | 33 | 11.7 | 41.3 |
| mer/21/09/2022 15:50 | 7.7 | 21 | 11.7 | 34.4 |
| mer/21/09/2022 16:00 | 8.3 | 26 | 12.3 | 48.4 |
| mer/21/09/2022 16:10 | 9.0 | 25 | 13.1 | 48.2 |
| mer/21/09/2022 16:20 | 8.1 | 29 | 12.1 | 50.6 |
| mer/21/09/2022 16:30 | 7.6 | 26 | 11.5 | 47.5 |
| mer/21/09/2022 16:40 | 7.2 | 23 | 11.0 | 39.3 |
| mer/21/09/2022 16:50 | 6.9 | 29 | 10.6 | 44.6 |
| mer/21/09/2022 17:00 | 7.4 | 30 | 11.3 | 40.4 |
| mer/21/09/2022 17:10 | 6.7 | 31 | 10.4 | 48.2 |
| mer/21/09/2022 17:20 | 6.5 | 35 | 10.1 | 38.8 |
| mer/21/09/2022 17:30 | 6.6 | 37 | 10.3 | 32.6 |
| mer/21/09/2022 17:40 | 6.9 | 36 | 10.6 | 46.5 |
| mer/21/09/2022 17:50 | 5.7 | 37 | 9.1 | 39.5 |
| mer/21/09/2022 18:00 | 6.0 | 38 | 9.5 | 45.5 |
| mer/21/09/2022 18:10 | 5.9 | 37 | 9.4 | 35.9 |
| mer/21/09/2022 18:20 | 5.8 | 34 | 9.3 | 33.3 |
| mer/21/09/2022 18:30 | 5.7 | 36 | 9.1 | 37.5 |
| mer/21/09/2022 18:40 | 5.8 | 35 | 9.2 | 34.8 |
| mer/21/09/2022 18:50 | 5.5 | 32 | 8.9 | 37.5 |
| mer/21/09/2022 19:00 | 5.7 | 34 | 9.1 | 33.4 |
| mer/21/09/2022 19:10 | 5.1 | 33 | 8.3 | 31.5 |
| mer/21/09/2022 19:20 | 5.3 | 26 | 8.6 | 38.4 |
| mer/21/09/2022 19:30 | 4.9 | 22 | 8.2 | 50.8 |
| mer/21/09/2022 19:40 | 5.8 | 20 | 9.2 | 45.8 |
| mer/21/09/2022 19:50 | 5.4 | 22 | 8.8 | 40.1 |
| mer/21/09/2022 20:00 | 3.6 | 22 | 6.3 | 30.3 |
| mer/21/09/2022 20:10 | 4.2 | 20 | 7.2 | 42.0 |
| mer/21/09/2022 20:20 | 3.9 | 26 | 6.8 | 43.2 |
| mer/21/09/2022 20:30 | 4.2 | 16 | 7.2 | 34.5 |
| mer/21/09/2022 20:40 | 3.4 | 21 | 6.1 | 39.2 |
| mer/21/09/2022 20:50 | 2.5 | 22 | 4.9 | 29.4 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| <i>Diurno (6-22)</i> | <i>m/s</i> | <i>deg</i> | <i>m/s</i> | <i>dB(A)</i> |
| mer/21/09/2022 21:00 | 2.5 | 34 | 4.9 | 38.1 |
| mer/21/09/2022 21:10 | 2.8 | 36 | 5.3 | 37.7 |
| mer/21/09/2022 21:20 | 5.5 | 23 | 8.8 | 43.5 |
| mer/21/09/2022 21:30 | 4.1 | 22 | 7.1 | 38.6 |
| mer/21/09/2022 21:40 | 3.6 | 21 | 6.4 | 35.1 |
| mer/21/09/2022 21:50 | 2.7 | 5 | 5.2 | 39.2 |
| mer/21/09/2022 22:00 | 1.9 | 340 | 4.0 | 38.0 |
| gio/22/09/2022 06:00 | 1.5 | 58 | 3.3 | 28.8 |
| gio/22/09/2022 06:10 | 0.9 | 24 | 2.4 | 32.5 |
| gio/22/09/2022 06:20 | 1.0 | 42 | 2.5 | 33.5 |
| gio/22/09/2022 06:30 | 1.8 | 40 | 3.8 | 39.7 |
| gio/22/09/2022 06:40 | 2.6 | 31 | 5.0 | 42.7 |
| gio/22/09/2022 06:50 | 2.8 | 27 | 5.3 | 36.7 |
| gio/22/09/2022 07:00 | 3.0 | 23 | 5.6 | 36.8 |
| gio/22/09/2022 07:10 | 3.6 | 24 | 6.3 | 38.7 |
| gio/22/09/2022 07:20 | 3.0 | 28 | 5.6 | 34.7 |
| gio/22/09/2022 07:30 | 3.0 | 29 | 5.6 | 33.5 |
| gio/22/09/2022 07:40 | 3.6 | 52 | 6.4 | 40.2 |
| gio/22/09/2022 07:50 | 3.6 | 64 | 6.4 | 34.5 |
| gio/22/09/2022 08:00 | 3.8 | 71 | 6.6 | 41.3 |
| gio/22/09/2022 08:10 | 3.5 | 59 | 6.3 | 41.9 |
| gio/22/09/2022 08:20 | 4.6 | 53 | 7.8 | 45.5 |
| gio/22/09/2022 08:30 | 4.0 | 54 | 7.0 | 34.1 |
| gio/22/09/2022 08:40 | 5.1 | 42 | 8.4 | 40.9 |
| gio/22/09/2022 08:50 | 6.8 | 39 | 10.6 | 37.9 |
| gio/22/09/2022 09:00 | 5.7 | 24 | 9.2 | 45.9 |
| gio/22/09/2022 09:10 | 7.1 | 51 | 10.8 | 38.8 |
| gio/22/09/2022 09:20 | 7.6 | 46 | 11.5 | 36.6 |
| gio/22/09/2022 09:30 | 6.7 | 40 | 10.4 | 49.7 |
| gio/22/09/2022 09:40 | 6.4 | 62 | 10.1 | 37.7 |
| gio/22/09/2022 09:50 | 6.8 | 56 | 10.5 | 42.5 |
| gio/22/09/2022 10:00 | 6.8 | 42 | 10.5 | 36.3 |
| gio/22/09/2022 10:10 | 6.1 | 31 | 9.6 | 45.6 |
| gio/22/09/2022 10:20 | 6.5 | 43 | 10.2 | 45.1 |
| gio/22/09/2022 10:30 | 6.9 | 40 | 10.6 | 44.7 |
| gio/22/09/2022 10:40 | 6.2 | 41 | 9.7 | 34.9 |
| gio/22/09/2022 10:50 | 6.3 | 35 | 10.0 | 41.7 |
| gio/22/09/2022 11:00 | 5.4 | 29 | 8.8 | 38.6 |
| gio/22/09/2022 11:10 | 5.8 | 44 | 9.2 | 42.2 |
| gio/22/09/2022 11:20 | 5.0 | 20 | 8.2 | 37.6 |
| gio/22/09/2022 11:30 | 5.2 | 24 | 8.5 | 41.6 |
| gio/22/09/2022 11:40 | 5.6 | 41 | 9.1 | 37.5 |
| gio/22/09/2022 11:50 | 5.2 | 42 | 8.5 | 33.2 |
| gio/22/09/2022 12:00 | 4.2 | 49 | 7.3 | 34.1 |
| gio/22/09/2022 12:10 | 4.9 | 64 | 8.1 | 40.1 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| <i>Diurno (6-22)</i> | <i>m/s</i> | <i>deg</i> | <i>m/s</i> | <i>dB(A)</i> |
| gio/22/09/2022 12:20 | 4.2 | 57 | 7.2 | 37.9 |
| gio/22/09/2022 12:30 | 6.3 | 32 | 9.9 | 40.8 |
| gio/22/09/2022 12:40 | 6.1 | 14 | 9.7 | 38.1 |
| gio/22/09/2022 12:50 | 4.9 | 11 | 8.1 | 36.9 |
| gio/22/09/2022 13:00 | 5.8 | 37 | 9.2 | 40.2 |
| gio/22/09/2022 13:10 | 5.8 | 28 | 9.2 | 32.4 |
| gio/22/09/2022 13:20 | 4.9 | 36 | 8.1 | 43.9 |
| gio/22/09/2022 13:30 | 6.4 | 37 | 10.0 | 37.6 |
| gio/22/09/2022 13:40 | 6.6 | 25 | 10.2 | 44.6 |
| gio/22/09/2022 13:50 | 4.6 | 33 | 7.7 | 39.7 |
| gio/22/09/2022 14:00 | 6.2 | 21 | 9.8 | 45.3 |
| gio/22/09/2022 14:10 | 5.4 | 44 | 8.7 | 37.0 |
| gio/22/09/2022 14:20 | 7.1 | 26 | 10.9 | 42.6 |
| gio/22/09/2022 14:30 | 6.2 | 28 | 9.8 | 42.9 |
| gio/22/09/2022 14:40 | 5.2 | 38 | 8.5 | 36.9 |
| gio/22/09/2022 14:50 | 5.7 | 22 | 9.2 | 43.9 |
| gio/22/09/2022 15:00 | 5.7 | 33 | 9.1 | 40.8 |
| gio/22/09/2022 15:10 | 6.0 | 15 | 9.5 | 34.2 |
| gio/22/09/2022 15:20 | 5.6 | 32 | 9.0 | 40.6 |
| gio/22/09/2022 15:30 | 6.0 | 17 | 9.5 | 43.8 |
| gio/22/09/2022 15:40 | 5.9 | 34 | 9.4 | 37.0 |
| gio/22/09/2022 15:50 | 5.5 | 31 | 8.9 | 38.0 |
| gio/22/09/2022 16:00 | 6.5 | 30 | 10.2 | 33.7 |
| gio/22/09/2022 16:10 | 6.0 | 29 | 9.5 | 42.2 |
| gio/22/09/2022 16:20 | 6.2 | 28 | 9.8 | 40.0 |
| gio/22/09/2022 16:30 | 6.2 | 29 | 9.8 | 45.8 |
| gio/22/09/2022 16:40 | 6.7 | 30 | 10.4 | 43.5 |
| gio/22/09/2022 16:50 | 6.5 | 28 | 10.1 | 37.1 |
| gio/22/09/2022 17:00 | 6.0 | 27 | 9.5 | 40.9 |
| gio/22/09/2022 17:10 | 6.2 | 34 | 9.7 | 34.7 |
| gio/22/09/2022 17:20 | 6.4 | 41 | 10.0 | 44.0 |
| gio/22/09/2022 17:30 | 6.3 | 39 | 9.9 | 41.6 |
| gio/22/09/2022 17:40 | 5.9 | 37 | 9.4 | 38.2 |
| gio/22/09/2022 17:50 | 5.9 | 37 | 9.4 | 39.9 |
| gio/22/09/2022 18:00 | 5.5 | 42 | 8.9 | 45.1 |
| gio/22/09/2022 18:10 | 5.6 | 41 | 9.0 | 40.4 |
| gio/22/09/2022 18:20 | 4.9 | 42 | 8.1 | 34.7 |
| gio/22/09/2022 18:30 | 3.9 | 58 | 6.8 | 39.6 |
| gio/22/09/2022 18:40 | 4.1 | 51 | 7.0 | 31.9 |
| gio/22/09/2022 18:50 | 3.7 | 53 | 6.5 | 42.5 |
| gio/22/09/2022 19:00 | 3.6 | 48 | 6.4 | 36.2 |
| gio/22/09/2022 19:10 | 3.9 | 45 | 6.8 | 41.9 |
| gio/22/09/2022 19:20 | 3.3 | 35 | 6.0 | 37.7 |
| gio/22/09/2022 19:30 | 3.1 | 23 | 5.8 | 38.0 |
| gio/22/09/2022 19:40 | 2.9 | 30 | 5.4 | 44.1 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE | |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti | |
| Diurno (6-22) | m/s | deg | m/s | dB(A) | |
| gio/22/09/2022 19:50 | 3.3 | 34 | 6.0 | 40.0 | |
| gio/22/09/2022 20:00 | 3.0 | 29 | 5.6 | 35.4 | |
| gio/22/09/2022 20:10 | 2.9 | 12 | 5.5 | 33.7 | |
| gio/22/09/2022 20:20 | 4.2 | 2 | 7.2 | 45.3 | |
| gio/22/09/2022 20:30 | 3.7 | 1 | 6.6 | 35.2 | |
| gio/22/09/2022 20:40 | 4.2 | 9 | 7.2 | 43.9 | |
| gio/22/09/2022 20:50 | 4.3 | 7 | 7.3 | 38.1 | |
| gio/22/09/2022 21:00 | 3.5 | 3 | 6.3 | 40.5 | |
| gio/22/09/2022 21:10 | 2.8 | 4 | 5.3 | 40.8 | |
| gio/22/09/2022 21:20 | 1.8 | 333 | 3.9 | 37.8 | |
| gio/22/09/2022 21:30 | 2.3 | 322 | 4.5 | 35.9 | |
| gio/22/09/2022 21:40 | 2.4 | 315 | 4.7 | 41.2 | |
| gio/22/09/2022 21:50 | 2.9 | 322 | 5.5 | 29.3 | |
| MIN | 0.5 | 1.0 | 1.6 | 24.4 | |
| MAX | 9.0 | 350.0 | 13.1 | 53.2 | |
| MEDIANA | 5.6 | 37.0 | 9.1 | 39.5 | |
| MEDIA | 5.2 | 53.8 | 8.4 | 39.5 | |
| MODA | 6.0 | 29.0 | 9.5 | 33.5 | |
| | | | | Leq | 42.3 |

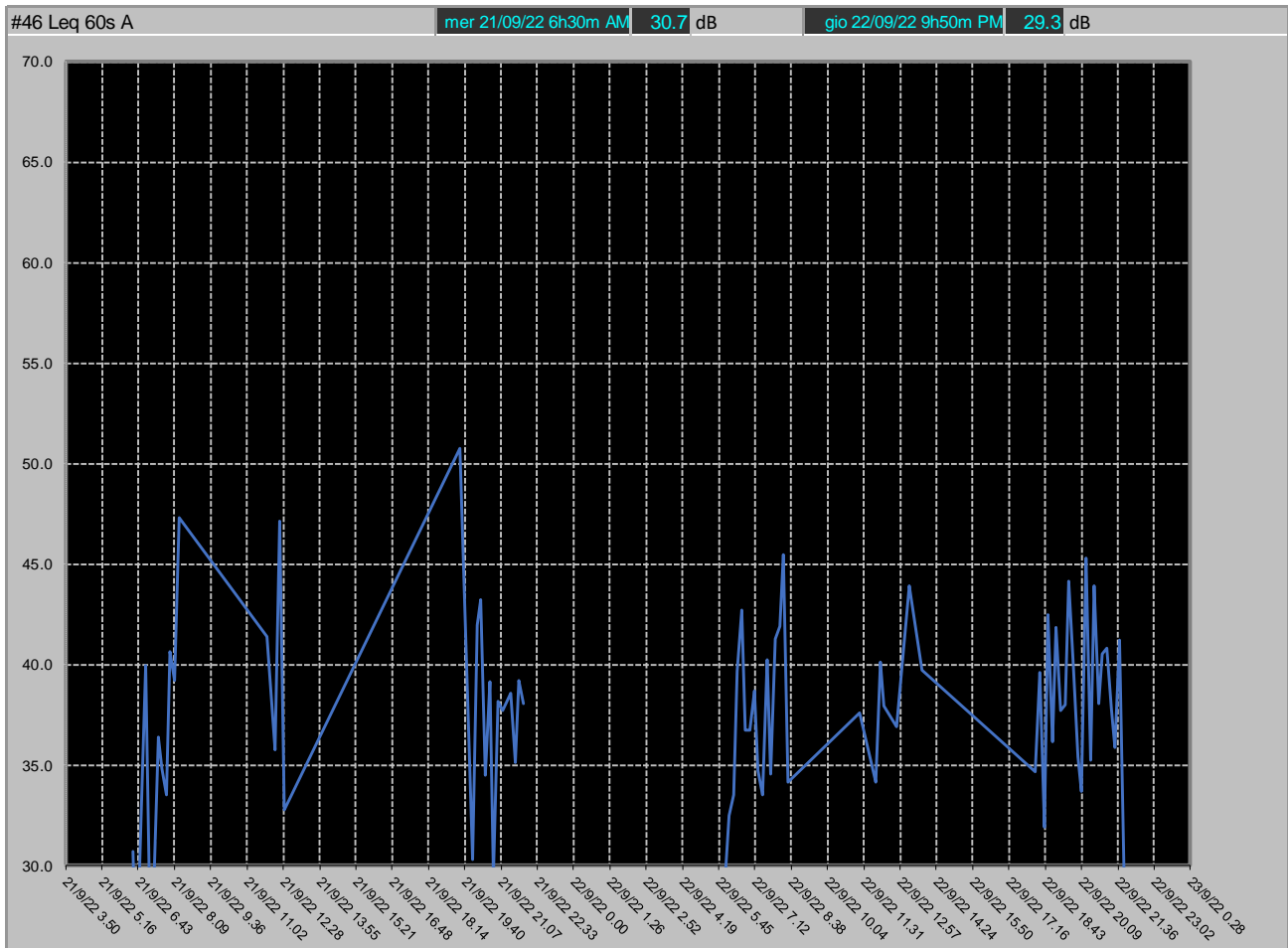


Validazione con vento ≤ 5 m/sec (D.M. 1 giugno 2022)

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| <i>Diurno (6-22)</i> | <i>m/s</i> | <i>deg</i> | <i>m/s</i> | <i>dB(A)</i> |
| mer/21/09/2022 06:40 | 0.5 | 281 | 1.6 | 24.4 |
| mer/21/09/2022 06:50 | 0.7 | 301 | 2.0 | 32.4 |
| mer/21/09/2022 07:20 | 0.8 | 350 | 2.1 | 28.9 |
| gio/22/09/2022 06:10 | 0.9 | 24 | 2.4 | 32.5 |
| gio/22/09/2022 06:20 | 1.0 | 42 | 2.5 | 33.5 |
| mer/21/09/2022 06:30 | 1.2 | 323 | 2.9 | 30.7 |
| mer/21/09/2022 07:10 | 1.3 | 333 | 3.0 | 29.6 |
| gio/22/09/2022 06:00 | 1.5 | 58 | 3.3 | 28.8 |
| mer/21/09/2022 07:00 | 1.5 | 346 | 3.4 | 39.9 |
| mer/21/09/2022 07:30 | 1.7 | 40 | 3.6 | 36.4 |
| gio/22/09/2022 06:30 | 1.8 | 40 | 3.8 | 39.7 |
| gio/22/09/2022 21:20 | 1.8 | 333 | 3.9 | 37.8 |
| mer/21/09/2022 22:00 | 1.9 | 340 | 4.0 | 38.0 |
| gio/22/09/2022 21:30 | 2.3 | 322 | 4.5 | 35.9 |
| mer/21/09/2022 07:40 | 2.3 | 60 | 4.6 | 34.8 |
| gio/22/09/2022 21:40 | 2.4 | 315 | 4.7 | 41.2 |
| mer/21/09/2022 20:50 | 2.5 | 22 | 4.9 | 29.4 |
| mer/21/09/2022 21:00 | 2.5 | 34 | 4.9 | 38.1 |
| gio/22/09/2022 06:40 | 2.6 | 31 | 5.0 | 42.7 |
| mer/21/09/2022 21:50 | 2.7 | 5 | 5.2 | 39.2 |
| mer/21/09/2022 21:10 | 2.8 | 36 | 5.3 | 37.7 |
| gio/22/09/2022 06:50 | 2.8 | 27 | 5.3 | 36.7 |
| gio/22/09/2022 21:10 | 2.8 | 4 | 5.3 | 40.8 |
| gio/22/09/2022 19:40 | 2.9 | 30 | 5.4 | 44.1 |
| gio/22/09/2022 21:50 | 2.9 | 322 | 5.5 | 29.3 |
| gio/22/09/2022 20:10 | 2.9 | 12 | 5.5 | 33.7 |
| gio/22/09/2022 07:30 | 3.0 | 29 | 5.6 | 33.5 |
| gio/22/09/2022 07:00 | 3.0 | 23 | 5.6 | 36.8 |
| gio/22/09/2022 20:00 | 3.0 | 29 | 5.6 | 35.4 |
| gio/22/09/2022 07:20 | 3.0 | 28 | 5.6 | 34.7 |
| gio/22/09/2022 19:30 | 3.1 | 23 | 5.8 | 38.0 |
| gio/22/09/2022 19:50 | 3.3 | 34 | 6.0 | 40.0 |
| gio/22/09/2022 19:20 | 3.3 | 35 | 6.0 | 37.7 |
| mer/21/09/2022 20:40 | 3.4 | 21 | 6.1 | 39.2 |
| mer/21/09/2022 07:50 | 3.4 | 60 | 6.1 | 33.5 |
| gio/22/09/2022 08:10 | 3.5 | 59 | 6.3 | 41.9 |

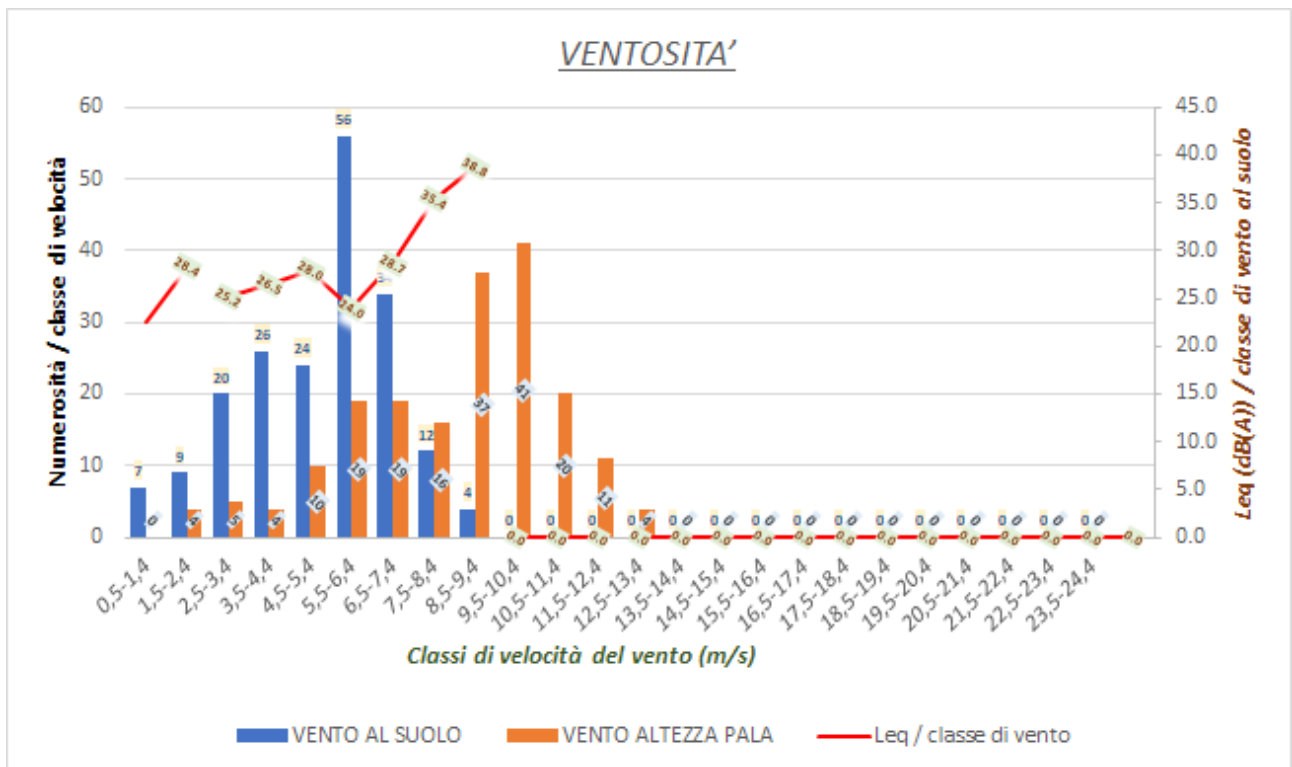
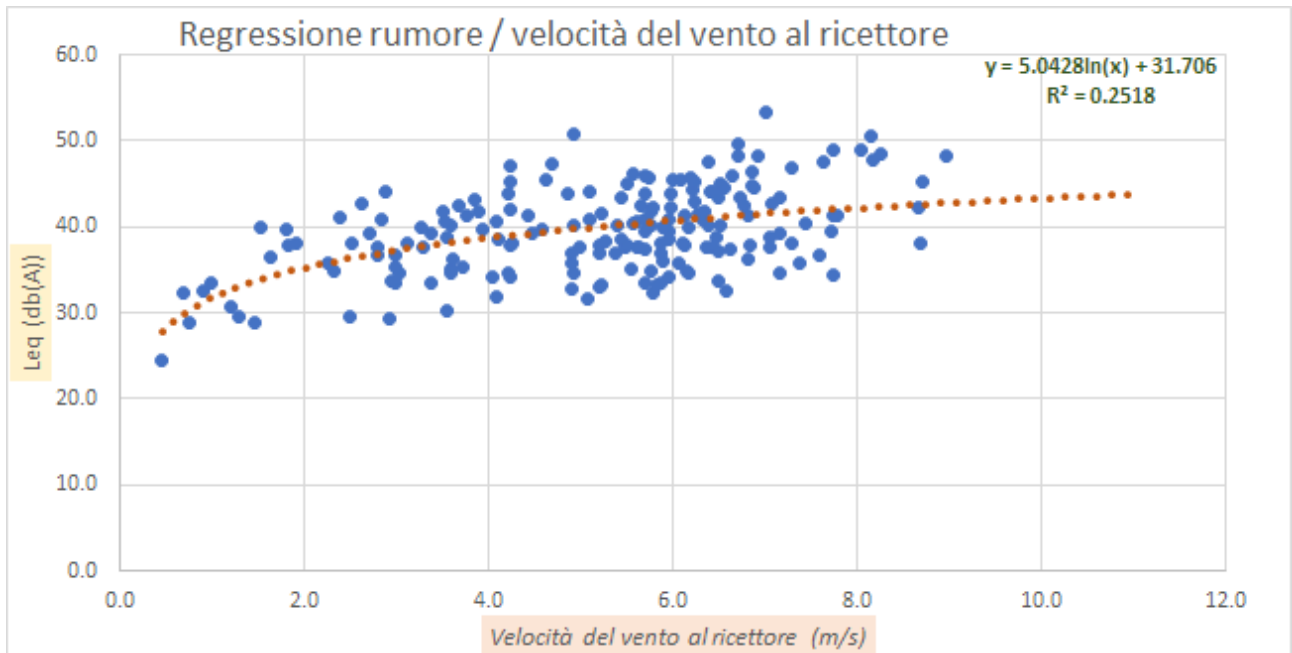
| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| <i>Diurno (6-22)</i> | <i>m/s</i> | <i>deg</i> | <i>m/s</i> | <i>dB(A)</i> |
| gio/22/09/2022 21:00 | 3.5 | 3 | 6.3 | 40.5 |
| mer/21/09/2022 20:00 | 3.6 | 22 | 6.3 | 30.3 |
| gio/22/09/2022 07:10 | 3.6 | 24 | 6.3 | 38.7 |
| mer/21/09/2022 21:40 | 3.6 | 21 | 6.4 | 35.1 |
| gio/22/09/2022 07:40 | 3.6 | 52 | 6.4 | 40.2 |
| gio/22/09/2022 07:50 | 3.6 | 64 | 6.4 | 34.5 |
| gio/22/09/2022 19:00 | 3.6 | 48 | 6.4 | 36.2 |
| gio/22/09/2022 18:50 | 3.7 | 53 | 6.5 | 42.5 |
| gio/22/09/2022 20:30 | 3.7 | 1 | 6.6 | 35.2 |
| gio/22/09/2022 08:00 | 3.8 | 71 | 6.6 | 41.3 |
| mer/21/09/2022 20:20 | 3.9 | 26 | 6.8 | 43.2 |
| gio/22/09/2022 19:10 | 3.9 | 45 | 6.8 | 41.9 |
| gio/22/09/2022 18:30 | 3.9 | 58 | 6.8 | 39.6 |
| gio/22/09/2022 08:30 | 4.0 | 54 | 7.0 | 34.1 |
| mer/21/09/2022 08:00 | 4.1 | 52 | 7.0 | 40.6 |
| gio/22/09/2022 18:40 | 4.1 | 51 | 7.0 | 31.9 |
| mer/21/09/2022 21:30 | 4.1 | 22 | 7.1 | 38.6 |
| mer/21/09/2022 20:30 | 4.2 | 16 | 7.2 | 34.5 |
| gio/22/09/2022 20:40 | 4.2 | 9 | 7.2 | 43.9 |
| mer/21/09/2022 12:20 | 4.2 | 67 | 7.2 | 47.1 |
| mer/21/09/2022 20:10 | 4.2 | 20 | 7.2 | 42.0 |
| gio/22/09/2022 12:20 | 4.2 | 57 | 7.2 | 37.9 |
| gio/22/09/2022 20:20 | 4.2 | 2 | 7.2 | 45.3 |
| gio/22/09/2022 12:00 | 4.2 | 49 | 7.3 | 34.1 |
| gio/22/09/2022 20:50 | 4.3 | 7 | 7.3 | 38.1 |
| mer/21/09/2022 11:50 | 4.4 | 62 | 7.5 | 41.4 |
| mer/21/09/2022 08:10 | 4.5 | 51 | 7.6 | 39.2 |
| gio/22/09/2022 13:50 | 4.6 | 33 | 7.7 | 39.7 |
| gio/22/09/2022 08:20 | 4.6 | 53 | 7.8 | 45.5 |
| mer/21/09/2022 08:20 | 4.7 | 58 | 7.9 | 47.3 |
| gio/22/09/2022 13:20 | 4.9 | 36 | 8.1 | 43.9 |
| mer/21/09/2022 12:10 | 4.9 | 48 | 8.1 | 35.8 |
| mer/21/09/2022 12:30 | 4.9 | 57 | 8.1 | 32.8 |
| gio/22/09/2022 12:50 | 4.9 | 11 | 8.1 | 36.9 |
| gio/22/09/2022 12:10 | 4.9 | 64 | 8.1 | 40.1 |
| gio/22/09/2022 18:20 | 4.9 | 42 | 8.1 | 34.7 |
| mer/21/09/2022 19:30 | 4.9 | 22 | 8.2 | 50.8 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE | |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti | |
| <i>Diurno (6-22)</i> | <i>m/s</i> | <i>deg</i> | <i>m/s</i> | <i>dB(A)</i> | |
| gio/22/09/2022 11:20 | 5.0 | 20 | 8.2 | 37.6 | |
| MIN | 0.5 | 1.0 | 1.6 | 24.4 | |
| MAX | 5.0 | 350.0 | 8.2 | 50.8 | |
| MEDIANA | 3.5 | 41.0 | 6.3 | 37.9 | |
| MEDIA | 3.3 | 78.7 | 5.9 | 37.6 | |
| MODA | 4.2 | 22.0 | 7.2 | 33.5 | |
| | | | | Leq | 40.3 |



VENTOSITA' RILEVATA

| CLASSI DI VENTO(m/s) | Numerosità alla sorgente (h = 105 m) | Numerosità al ricettore (h = 4 m) | Leq_i (dB(A)) / Classe di vento al ricettore |
|-----------------------------|---|--|---|
| 0,5-1,4 | 0 | 7 | 22.6 |
| 1,5-2,4 | 4 | 9 | 28.4 |
| 2,5-3,4 | 5 | 20 | 25.2 |
| 3,5-4,4 | 4 | 26 | 26.5 |
| 4,5-5,4 | 10 | 24 | 28.0 |
| 5,5-6,4 | 19 | 56 | 24.0 |
| 6,5-7,4 | 19 | 34 | 28.7 |
| 7,5-8,4 | 16 | 12 | 35.4 |
| 8,5-9,4 | 37 | 4 | 38.8 |
| 9,5-10,4 | 41 | 0 | - |
| 10,5-11,4 | 20 | 0 | - |
| 11,5-12,4 | 11 | 0 | - |
| 12,5-13,4 | 4 | 0 | - |
| 13,5-14,4 | 0 | 0 | - |
| 14,5-15,4 | 0 | 0 | - |
| 15,5-16,4 | 0 | 0 | - |
| 16,5-17,4 | 0 | 0 | - |
| 17,5-18,4 | 0 | 0 | - |
| 18,5-19,4 | 0 | 0 | - |
| 19,5-20,4 | 0 | 0 | - |
| 20,5-21,4 | 0 | 0 | - |
| 21,5-22,4 | 0 | 0 | - |
| 22,5-23,4 | 0 | 0 | - |
| 23,5-24,4 | 0 | 0 | - |
| 24,5-25,4 | 0 | 0 | - |



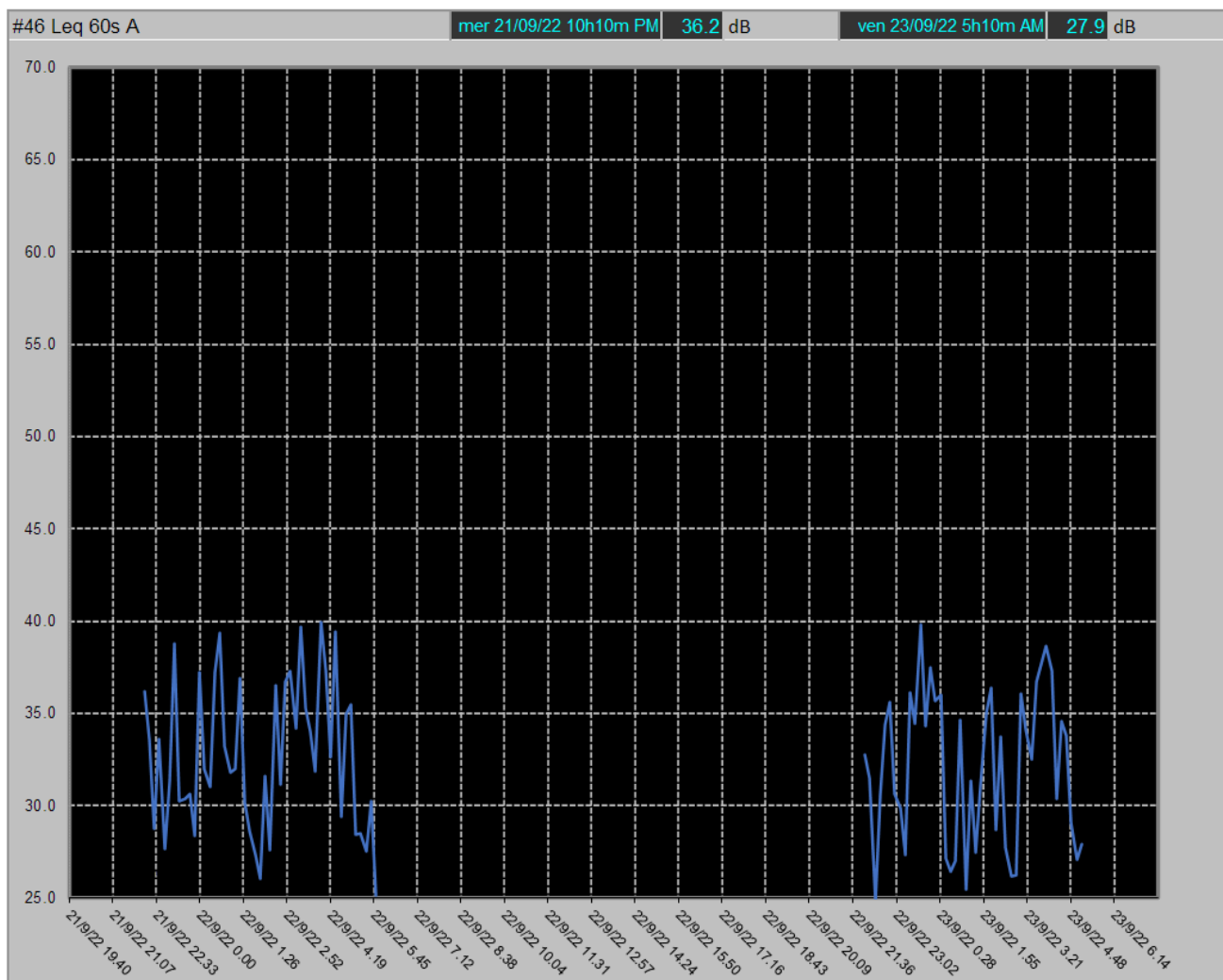
Misure notturne

TOTALI

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| Notturmo (22 - 6) | m/s | deg | m/s | dB(A) |
| mer/21/09/2022 22:10 | 3.1 | 16 | 5.7 | 36.2 |
| mer/21/09/2022 22:20 | 3.3 | 30 | 6.0 | 33.5 |
| mer/21/09/2022 22:30 | 3.1 | 25 | 5.7 | 28.8 |
| mer/21/09/2022 22:40 | 4.1 | 23 | 7.0 | 33.6 |
| mer/21/09/2022 22:50 | 3.6 | 15 | 6.4 | 27.7 |
| mer/21/09/2022 23:00 | 4.6 | 17 | 7.7 | 31.3 |
| mer/21/09/2022 23:10 | 5.0 | 25 | 8.2 | 38.8 |
| mer/21/09/2022 23:20 | 4.2 | 18 | 7.2 | 30.2 |
| mer/21/09/2022 23:30 | 3.5 | 2 | 6.3 | 30.4 |
| mer/21/09/2022 23:40 | 3.4 | 4 | 6.1 | 30.6 |
| mer/21/09/2022 23:50 | 3.2 | 2 | 5.9 | 28.3 |
| gio/22/09/2022 00:00 | 3.4 | 358 | 6.1 | 37.3 |
| gio/22/09/2022 00:10 | 3.3 | 349 | 6.0 | 32.0 |
| gio/22/09/2022 00:20 | 3.4 | 343 | 6.2 | 31.0 |
| gio/22/09/2022 00:30 | 4.1 | 347 | 7.0 | 37.2 |
| gio/22/09/2022 00:40 | 4.5 | 357 | 7.6 | 39.4 |
| gio/22/09/2022 00:50 | 4.6 | 352 | 7.8 | 33.2 |
| gio/22/09/2022 01:00 | 3.7 | 342 | 6.5 | 31.8 |
| gio/22/09/2022 01:10 | 3.6 | 340 | 6.4 | 32.0 |
| gio/22/09/2022 01:20 | 4.3 | 344 | 7.4 | 36.9 |
| gio/22/09/2022 01:30 | 3.3 | 323 | 6.0 | 30.2 |
| gio/22/09/2022 01:40 | 2.0 | 304 | 4.2 | 28.6 |
| gio/22/09/2022 01:50 | 2.2 | 312 | 4.4 | 27.3 |
| gio/22/09/2022 02:00 | 2.1 | 311 | 4.3 | 26.0 |
| gio/22/09/2022 02:10 | 2.3 | 314 | 4.6 | 31.6 |
| gio/22/09/2022 02:20 | 2.7 | 327 | 5.1 | 27.6 |
| gio/22/09/2022 02:30 | 3.4 | 337 | 6.1 | 36.5 |
| gio/22/09/2022 02:40 | 2.7 | 307 | 5.1 | 31.2 |
| gio/22/09/2022 02:50 | 2.4 | 345 | 4.8 | 36.7 |
| gio/22/09/2022 03:00 | 4.1 | 342 | 7.1 | 37.3 |
| gio/22/09/2022 03:10 | 5.0 | 352 | 8.2 | 34.2 |
| gio/22/09/2022 03:20 | 5.2 | 1 | 8.5 | 39.7 |
| gio/22/09/2022 03:30 | 3.9 | 4 | 6.8 | 35.3 |
| gio/22/09/2022 03:40 | 3.9 | 359 | 6.8 | 34.0 |
| gio/22/09/2022 03:50 | 4.7 | 3 | 7.8 | 31.8 |
| gio/22/09/2022 04:00 | 4.9 | 3 | 8.1 | 40.0 |
| gio/22/09/2022 04:10 | 4.5 | 7 | 7.6 | 37.3 |
| gio/22/09/2022 04:20 | 4.1 | 13 | 7.1 | 32.6 |
| gio/22/09/2022 04:30 | 3.9 | 20 | 6.8 | 39.4 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| Notturmo (22 - 6) | m/s | deg | m/s | dB(A) |
| gio/22/09/2022 04:40 | 3.4 | 16 | 6.2 | 29.4 |
| gio/22/09/2022 04:50 | 2.9 | 18 | 5.4 | 35.0 |
| gio/22/09/2022 05:00 | 2.7 | 47 | 5.1 | 35.5 |
| gio/22/09/2022 05:10 | 2.1 | 50 | 4.3 | 28.5 |
| gio/22/09/2022 05:20 | 1.8 | 37 | 3.7 | 28.5 |
| gio/22/09/2022 05:30 | 2.3 | 39 | 4.6 | 27.5 |
| gio/22/09/2022 05:40 | 1.7 | 39 | 3.6 | 30.3 |
| gio/22/09/2022 05:50 | 1.2 | 43 | 2.8 | 25.1 |
| gio/22/09/2022 22:00 | 2.8 | 324 | 5.3 | 32.8 |
| gio/22/09/2022 22:10 | 2.4 | 335 | 4.7 | 31.5 |
| gio/22/09/2022 22:20 | 2.1 | 320 | 4.3 | 24.8 |
| gio/22/09/2022 22:30 | 1.8 | 321 | 3.8 | 30.6 |
| gio/22/09/2022 22:40 | 2.0 | 315 | 4.2 | 34.4 |
| gio/22/09/2022 22:50 | 2.5 | 315 | 4.9 | 35.6 |
| gio/22/09/2022 23:00 | 3.1 | 324 | 5.7 | 30.6 |
| gio/22/09/2022 23:10 | 3.3 | 336 | 6.0 | 29.9 |
| gio/22/09/2022 23:20 | 4.1 | 340 | 7.1 | 27.4 |
| gio/22/09/2022 23:30 | 4.2 | 345 | 7.2 | 36.1 |
| gio/22/09/2022 23:40 | 4.6 | 346 | 7.8 | 34.5 |
| gio/22/09/2022 23:50 | 4.3 | 337 | 7.3 | 39.8 |
| ven/23/09/2022 00:00 | 4.1 | 331 | 7.1 | 34.3 |
| ven/23/09/2022 00:10 | 4.0 | 328 | 6.9 | 37.5 |
| ven/23/09/2022 00:20 | 3.6 | 335 | 6.4 | 35.7 |
| ven/23/09/2022 00:30 | 3.3 | 331 | 6.0 | 36.0 |
| ven/23/09/2022 00:40 | 2.1 | 301 | 4.2 | 27.2 |
| ven/23/09/2022 00:50 | 1.8 | 306 | 3.8 | 26.4 |
| ven/23/09/2022 01:00 | 1.7 | 318 | 3.6 | 27.0 |
| ven/23/09/2022 01:10 | 2.2 | 321 | 4.4 | 34.7 |
| ven/23/09/2022 01:20 | 2.2 | 319 | 4.3 | 25.5 |
| ven/23/09/2022 01:30 | 2.2 | 313 | 4.4 | 31.4 |
| ven/23/09/2022 01:40 | 2.9 | 324 | 5.5 | 27.5 |
| ven/23/09/2022 01:50 | 2.3 | 333 | 4.6 | 31.1 |
| ven/23/09/2022 02:00 | 3.1 | 333 | 5.7 | 35.0 |
| ven/23/09/2022 02:10 | 2.8 | 332 | 5.2 | 36.4 |
| ven/23/09/2022 02:20 | 3.3 | 344 | 5.9 | 28.7 |
| ven/23/09/2022 02:30 | 2.6 | 339 | 5.0 | 33.7 |
| ven/23/09/2022 02:40 | 2.1 | 335 | 4.3 | 27.7 |
| ven/23/09/2022 02:50 | 1.7 | 298 | 3.7 | 26.2 |
| ven/23/09/2022 03:00 | 2.1 | 326 | 4.3 | 26.2 |
| ven/23/09/2022 03:10 | 2.6 | 325 | 4.9 | 36.0 |
| ven/23/09/2022 03:20 | 3.7 | 344 | 6.5 | 34.1 |
| ven/23/09/2022 03:30 | 3.4 | 335 | 6.2 | 32.5 |
| ven/23/09/2022 03:40 | 3.0 | 331 | 5.6 | 36.7 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE | |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti | |
| Notturmo (22 - 6) | m/s | deg | m/s | dB(A) | |
| ven/23/09/2022 03:50 | 4.5 | 348 | 7.6 | 37.7 | |
| ven/23/09/2022 04:00 | 5.2 | 353 | 8.5 | 38.7 | |
| ven/23/09/2022 04:10 | 4.7 | 350 | 7.9 | 37.3 | |
| ven/23/09/2022 04:20 | 4.9 | 356 | 8.1 | 30.4 | |
| ven/23/09/2022 04:30 | 3.2 | 354 | 5.9 | 34.6 | |
| ven/23/09/2022 04:40 | 3.0 | 4 | 5.6 | 33.8 | |
| ven/23/09/2022 04:50 | 3.2 | 356 | 5.8 | 29.1 | |
| ven/23/09/2022 05:00 | 2.9 | 332 | 5.4 | 27.1 | |
| ven/23/09/2022 05:10 | 2.4 | 337 | 4.8 | 27.9 | |
| MIN | 1.2 | 1.0 | 2.8 | 24.8 | |
| MAX | 5.2 | 359.0 | 8.5 | 40.0 | |
| MEDIANA | 3.3 | 324.0 | 5.9 | 32.0 | |
| MEDIA | 3.2 | 239.9 | 5.9 | 32.4 | |
| MODA | 3.1 | 335.0 | 5.7 | 37.3 | |
| | | | | Leq | 34.2 |

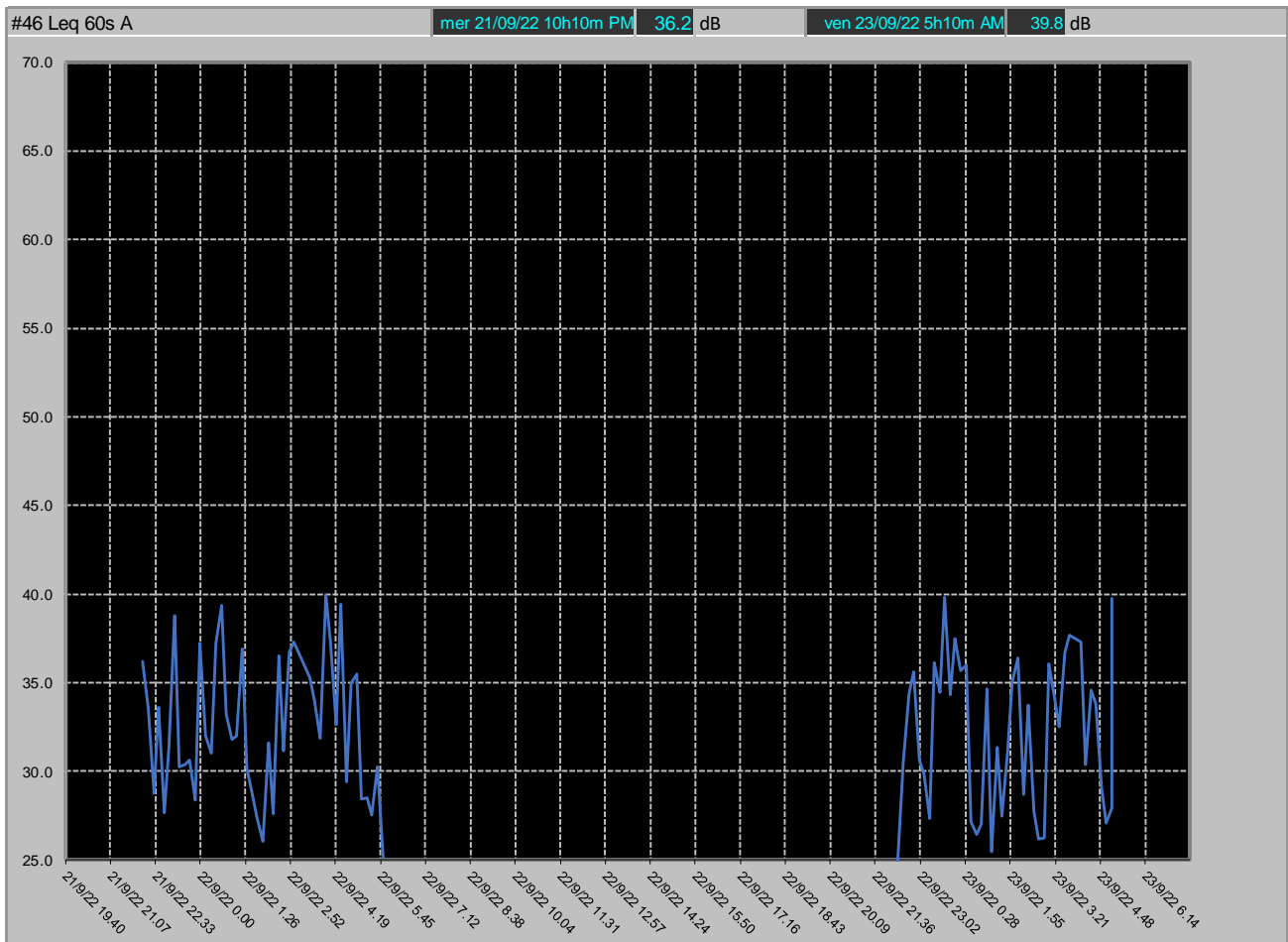


Validazione con vento ≤ 5 m/sec (D.M. 1 giugno 2022)

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|--------------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| <i>Notturmo (22 - 6)</i> | <i>m/s</i> | <i>deg</i> | <i>m/s</i> | <i>dB(A)</i> |
| gio/22/09/2022 05:50 | 1.2 | 43 | 2.8 | 25.1 |
| gio/22/09/2022 05:40 | 1.7 | 39 | 3.6 | 30.3 |
| ven/23/09/2022 01:00 | 1.7 | 318 | 3.6 | 27.0 |
| ven/23/09/2022 02:50 | 1.7 | 298 | 3.7 | 26.2 |
| gio/22/09/2022 05:20 | 1.8 | 37 | 3.7 | 28.5 |
| gio/22/09/2022 22:30 | 1.8 | 321 | 3.8 | 30.6 |
| ven/23/09/2022 00:50 | 1.8 | 306 | 3.8 | 26.4 |
| gio/22/09/2022 22:40 | 2.0 | 315 | 4.2 | 34.4 |
| gio/22/09/2022 01:40 | 2.0 | 304 | 4.2 | 28.6 |
| ven/23/09/2022 00:40 | 2.1 | 301 | 4.2 | 27.2 |
| gio/22/09/2022 22:20 | 2.1 | 320 | 4.3 | 24.8 |
| gio/22/09/2022 05:10 | 2.1 | 50 | 4.3 | 28.5 |
| ven/23/09/2022 02:40 | 2.1 | 335 | 4.3 | 27.7 |
| gio/22/09/2022 02:00 | 2.1 | 311 | 4.3 | 26.0 |
| ven/23/09/2022 03:00 | 2.1 | 326 | 4.3 | 26.2 |
| ven/23/09/2022 01:20 | 2.2 | 319 | 4.3 | 25.5 |
| gio/22/09/2022 01:50 | 2.2 | 312 | 4.4 | 27.3 |
| ven/23/09/2022 01:30 | 2.2 | 313 | 4.4 | 31.4 |
| ven/23/09/2022 01:10 | 2.2 | 321 | 4.4 | 34.7 |
| gio/22/09/2022 05:30 | 2.3 | 39 | 4.6 | 27.5 |
| ven/23/09/2022 01:50 | 2.3 | 333 | 4.6 | 31.1 |
| gio/22/09/2022 02:10 | 2.3 | 314 | 4.6 | 31.6 |
| gio/22/09/2022 22:10 | 2.4 | 335 | 4.7 | 31.5 |
| ven/23/09/2022 05:10 | 2.4 | 337 | 4.8 | 27.9 |
| ven/23/09/2022 05:10 | 2.4 | 337 | 4.8 | 39.8 |
| gio/22/09/2022 02:50 | 2.4 | 345 | 4.8 | 36.7 |
| gio/22/09/2022 22:50 | 2.5 | 315 | 4.9 | 35.6 |
| ven/23/09/2022 03:10 | 2.6 | 325 | 4.9 | 36.0 |
| ven/23/09/2022 02:30 | 2.6 | 339 | 5.0 | 33.7 |
| gio/22/09/2022 02:40 | 2.7 | 307 | 5.1 | 31.2 |
| gio/22/09/2022 02:20 | 2.7 | 327 | 5.1 | 27.6 |
| gio/22/09/2022 05:00 | 2.7 | 47 | 5.1 | 35.5 |
| ven/23/09/2022 02:10 | 2.8 | 332 | 5.2 | 36.4 |
| gio/22/09/2022 22:00 | 2.8 | 324 | 5.3 | 32.8 |
| gio/22/09/2022 04:50 | 2.9 | 18 | 5.4 | 35.0 |
| ven/23/09/2022 05:00 | 2.9 | 332 | 5.4 | 27.1 |
| ven/23/09/2022 01:40 | 2.9 | 324 | 5.5 | 27.5 |
| ven/23/09/2022 03:40 | 3.0 | 331 | 5.6 | 36.7 |
| ven/23/09/2022 04:40 | 3.0 | 4 | 5.6 | 33.8 |

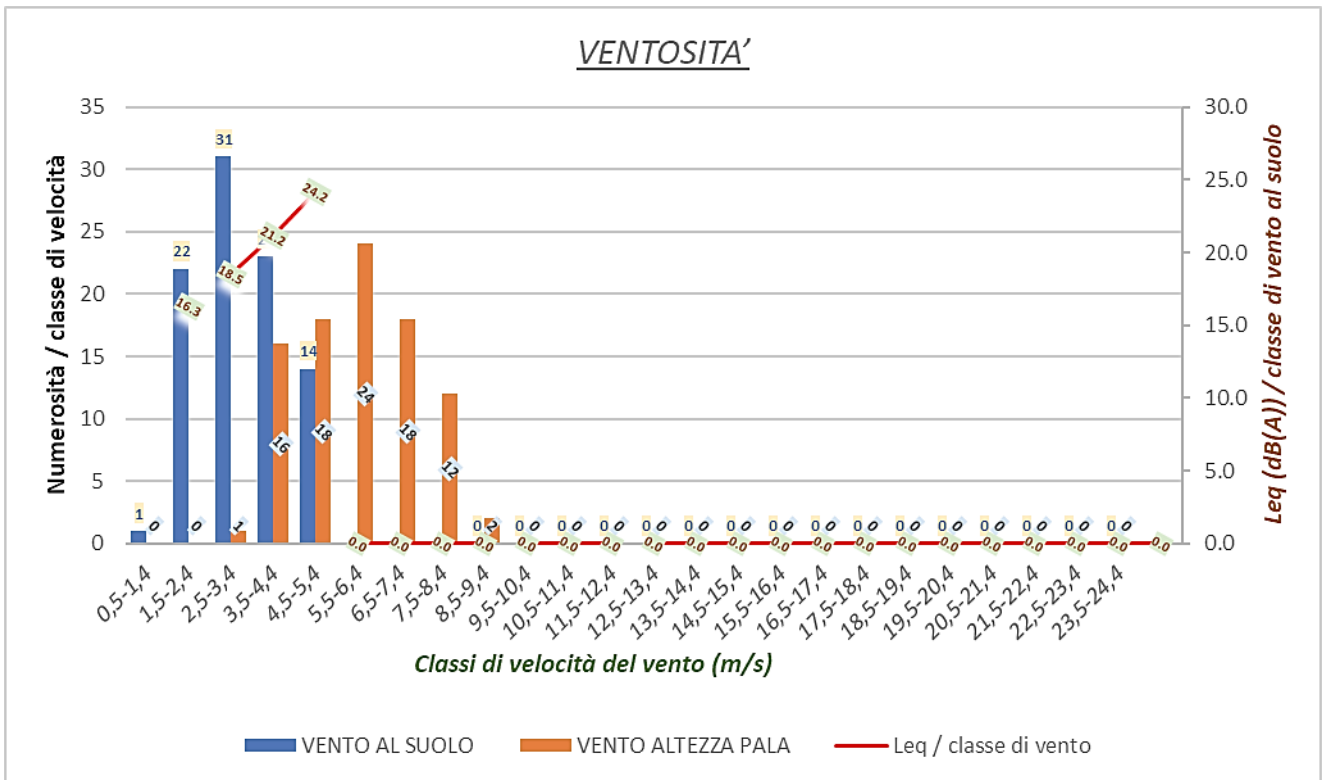
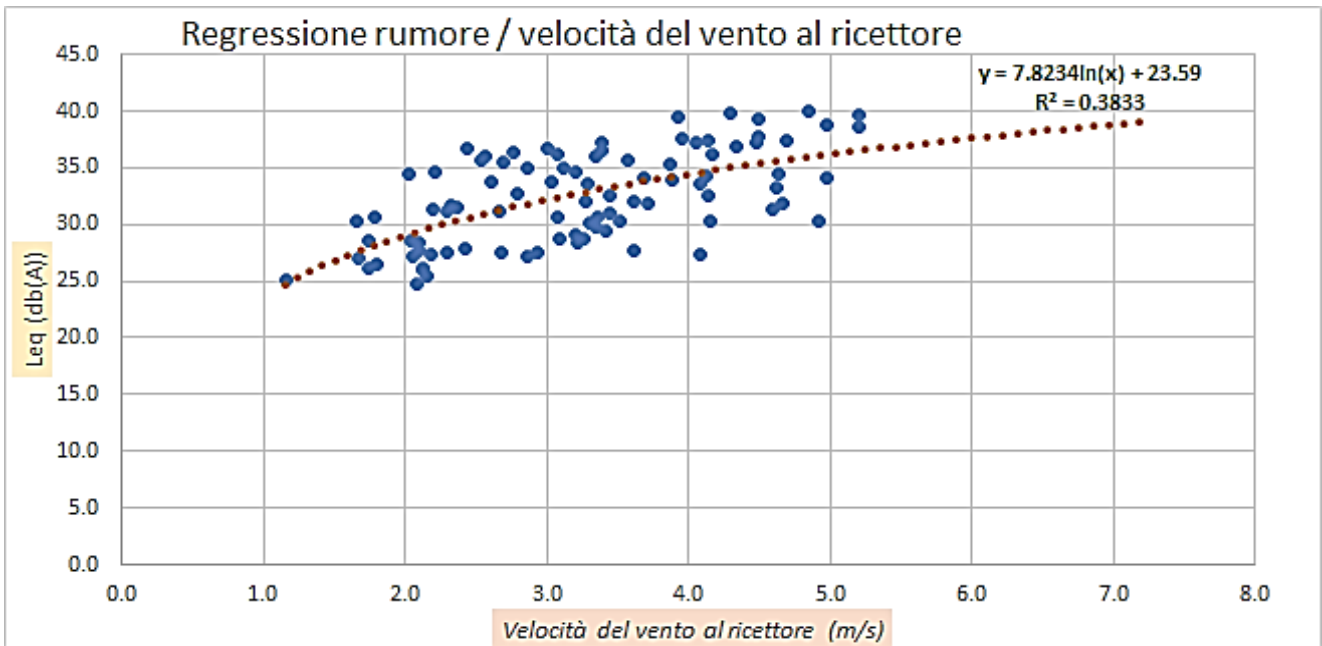
| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|--------------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| <i>Notturmo (22 - 6)</i> | <i>m/s</i> | <i>deg</i> | <i>m/s</i> | <i>dB(A)</i> |
| mer/21/09/2022 22:10 | 3.1 | 16 | 5.7 | 36.2 |
| gio/22/09/2022 23:00 | 3.1 | 324 | 5.7 | 30.6 |
| mer/21/09/2022 22:30 | 3.1 | 25 | 5.7 | 28.8 |
| ven/23/09/2022 02:00 | 3.1 | 333 | 5.7 | 35.0 |
| ven/23/09/2022 04:50 | 3.2 | 356 | 5.8 | 29.1 |
| ven/23/09/2022 04:30 | 3.2 | 354 | 5.9 | 34.6 |
| mer/21/09/2022 23:50 | 3.2 | 2 | 5.9 | 28.3 |
| ven/23/09/2022 02:20 | 3.3 | 344 | 5.9 | 28.7 |
| gio/22/09/2022 00:10 | 3.3 | 349 | 6.0 | 32.0 |
| mer/21/09/2022 22:20 | 3.3 | 30 | 6.0 | 33.5 |
| gio/22/09/2022 01:30 | 3.3 | 323 | 6.0 | 30.2 |
| gio/22/09/2022 23:10 | 3.3 | 336 | 6.0 | 29.9 |
| ven/23/09/2022 00:30 | 3.3 | 331 | 6.0 | 36.0 |
| mer/21/09/2022 23:40 | 3.4 | 4 | 6.1 | 30.6 |
| gio/22/09/2022 00:00 | 3.4 | 358 | 6.1 | 37.3 |
| gio/22/09/2022 02:30 | 3.4 | 337 | 6.1 | 36.5 |
| gio/22/09/2022 04:40 | 3.4 | 16 | 6.2 | 29.4 |
| gio/22/09/2022 00:20 | 3.4 | 343 | 6.2 | 31.0 |
| ven/23/09/2022 03:30 | 3.4 | 335 | 6.2 | 32.5 |
| mer/21/09/2022 23:30 | 3.5 | 2 | 6.3 | 30.4 |
| ven/23/09/2022 00:20 | 3.6 | 335 | 6.4 | 35.7 |
| mer/21/09/2022 22:50 | 3.6 | 15 | 6.4 | 27.7 |
| gio/22/09/2022 01:10 | 3.6 | 340 | 6.4 | 32.0 |
| ven/23/09/2022 03:20 | 3.7 | 344 | 6.5 | 34.1 |
| gio/22/09/2022 01:00 | 3.7 | 342 | 6.5 | 31.8 |
| gio/22/09/2022 03:30 | 3.9 | 4 | 6.8 | 35.3 |
| gio/22/09/2022 03:40 | 3.9 | 359 | 6.8 | 34.0 |
| gio/22/09/2022 04:30 | 3.9 | 20 | 6.8 | 39.4 |
| ven/23/09/2022 00:10 | 4.0 | 328 | 6.9 | 37.5 |
| gio/22/09/2022 00:30 | 4.1 | 347 | 7.0 | 37.2 |
| mer/21/09/2022 22:40 | 4.1 | 23 | 7.0 | 33.6 |
| gio/22/09/2022 23:20 | 4.1 | 340 | 7.1 | 27.4 |
| ven/23/09/2022 00:00 | 4.1 | 331 | 7.1 | 34.3 |
| gio/22/09/2022 03:00 | 4.1 | 342 | 7.1 | 37.3 |
| gio/22/09/2022 04:20 | 4.1 | 13 | 7.1 | 32.6 |
| mer/21/09/2022 23:20 | 4.2 | 18 | 7.2 | 30.2 |
| gio/22/09/2022 23:30 | 4.2 | 345 | 7.2 | 36.1 |
| gio/22/09/2022 23:50 | 4.3 | 337 | 7.3 | 39.8 |
| gio/22/09/2022 01:20 | 4.3 | 344 | 7.4 | 36.9 |
| gio/22/09/2022 04:10 | 4.5 | 7 | 7.6 | 37.3 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE | |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti | |
| Notturmo (22 - 6) | m/s | deg | m/s | dB(A) | |
| gio/22/09/2022 00:40 | 4.5 | 357 | 7.6 | 39.4 | |
| ven/23/09/2022 03:50 | 4.5 | 348 | 7.6 | 37.7 | |
| mer/21/09/2022 23:00 | 4.6 | 17 | 7.7 | 31.3 | |
| gio/22/09/2022 00:50 | 4.6 | 352 | 7.8 | 33.2 | |
| gio/22/09/2022 23:40 | 4.6 | 346 | 7.8 | 34.5 | |
| gio/22/09/2022 03:50 | 4.7 | 3 | 7.8 | 31.8 | |
| ven/23/09/2022 04:10 | 4.7 | 350 | 7.9 | 37.3 | |
| gio/22/09/2022 04:00 | 4.9 | 3 | 8.1 | 40.0 | |
| ven/23/09/2022 04:20 | 4.9 | 356 | 8.1 | 30.4 | |
| mer/21/09/2022 23:10 | 5.0 | 25 | 8.2 | 38.8 | |
| MIN | 1.2 | 2.0 | 2.8 | 24.8 | |
| MAX | 5.0 | 359.0 | 8.2 | 40.0 | |
| MEDIANA | 3.2 | 324.0 | 5.9 | 32.0 | |
| MEDIA | 3.2 | 241.2 | 5.8 | 32.3 | |
| MODA | 3.1 | 337.0 | 5.7 | 37.3 | |
| | | | | Leq | 34.1 |



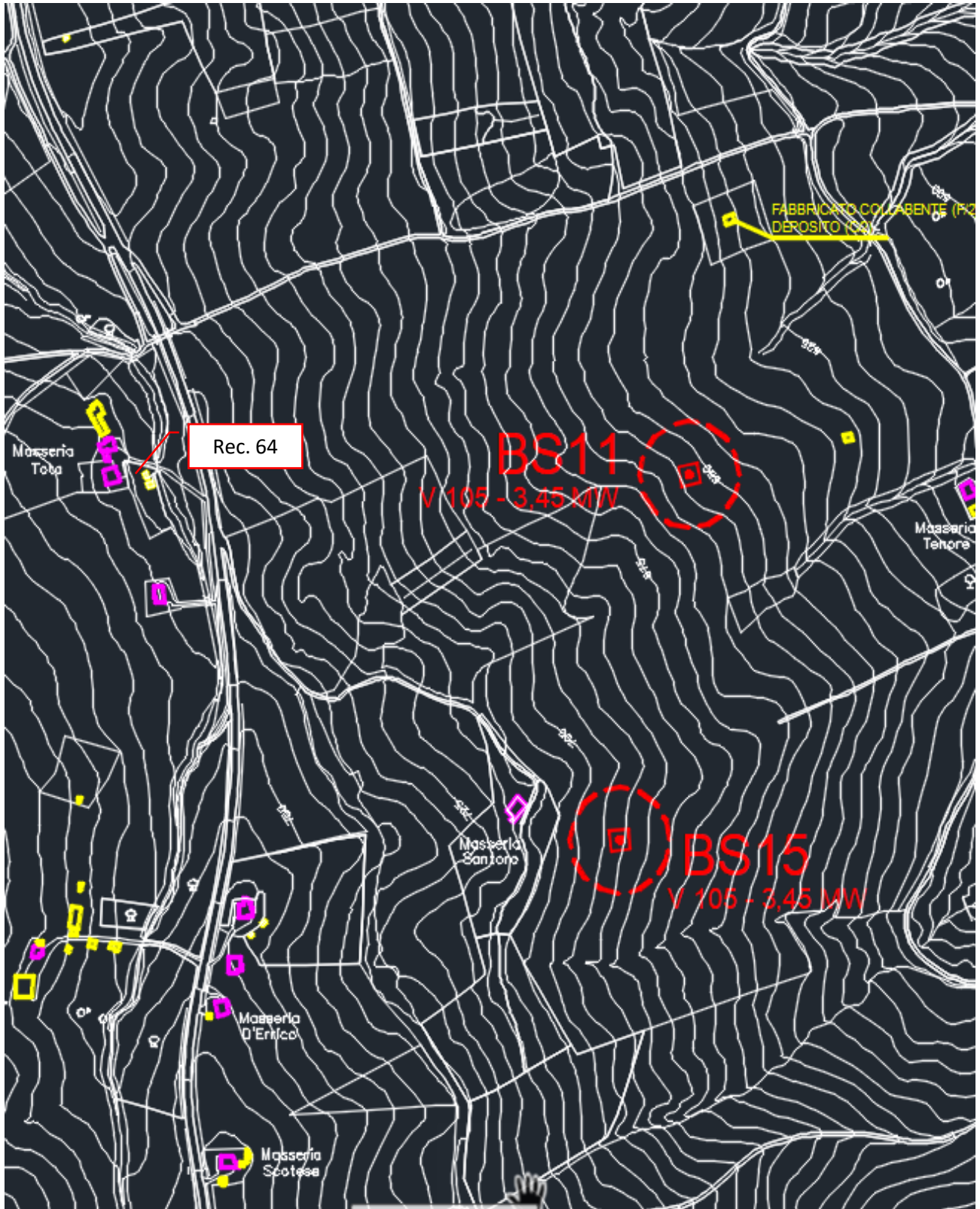
VENTOSITA' RILEVATA

| CLASSI DI VENTO(m/s) | Numerosità alla sorgente (h = 105 m) | Numerosità al ricettore (h = 4 m) | Leq_i (dB(A)) / Classe di vento al ricettore |
|-----------------------------|---|--|---|
| 0,5-1,4 | 0 | 1 | 25.1 |
| 1,5-2,4 | 0 | 22 | 16.3 |
| 2,5-3,4 | 1 | 31 | 18.5 |
| 3,5-4,4 | 16 | 23 | 21.2 |
| 4,5-5,4 | 18 | 14 | 24.2 |
| 5,5-6,4 | 24 | 0 | - |
| 6,5-7,4 | 18 | 0 | - |
| 7,5-8,4 | 12 | 0 | - |
| 8,5-9,4 | 2 | 0 | - |
| 9,5-10,4 | 0 | 0 | - |
| 10,5-11,4 | 0 | 0 | - |
| 11,5-12,4 | 0 | 0 | - |
| 12,5-13,4 | 0 | 0 | - |
| 13,5-14,4 | 0 | 0 | - |
| 14,5-15,4 | 0 | 0 | - |
| 15,5-16,4 | 0 | 0 | - |
| 16,5-17,4 | 0 | 0 | - |
| 17,5-18,4 | 0 | 0 | - |
| 18,5-19,4 | 0 | 0 | - |
| 19,5-20,4 | 0 | 0 | - |
| 20,5-21,4 | 0 | 0 | - |
| 21,5-22,4 | 0 | 0 | - |
| 22,5-23,4 | 0 | 0 | - |
| 23,5-24,4 | 0 | 0 | - |
| 24,5-25,4 | 0 | 0 | - |



RECETTORE MISURATON. 3

| Nome Ricettore | Altezza | Coordinate UTM WGS 84 Fuse 33 | | |
|----------------|----------|-------------------------------|----------|----------|
| | <i>H</i> | <i>X</i> | <i>Y</i> | <i>Z</i> |
| | (m) | (m) | (m) | (m) |
| R_64 | 745.44 | 530209.2 | 4543028 | 745.44 |



Misure diurne

TOTALI

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| Diurno (6-22) | m/s | deg | m/s | dB(A) |
| ven/23/09/2022 06:30 | 4.1 | 10 | 7.1 | 46.9 |
| ven/23/09/2022 06:40 | 3.7 | 14 | 6.5 | 41.1 |
| ven/23/09/2022 06:50 | 3.5 | 14 | 6.2 | 39.8 |
| ven/23/09/2022 07:00 | 3.9 | 12 | 6.7 | 37.7 |
| ven/23/09/2022 07:10 | 4.3 | 5 | 7.3 | 36.5 |
| ven/23/09/2022 07:20 | 4.0 | 1 | 6.9 | 48.3 |
| ven/23/09/2022 07:30 | 3.8 | 29 | 6.7 | 44.4 |
| ven/23/09/2022 07:40 | 2.6 | 70 | 5.0 | 43.9 |
| ven/23/09/2022 07:50 | 3.2 | 51 | 5.9 | 46.4 |
| ven/23/09/2022 08:00 | 6.1 | 29 | 9.7 | 49.6 |
| ven/23/09/2022 08:10 | 6.5 | 31 | 10.1 | 46.3 |
| ven/23/09/2022 08:20 | 6.5 | 32 | 10.2 | 47.7 |
| ven/23/09/2022 08:30 | 6.8 | 36 | 10.5 | 53.0 |
| ven/23/09/2022 08:40 | 7.6 | 46 | 11.5 | 40.4 |
| ven/23/09/2022 08:50 | 8.1 | 52 | 12.1 | 34.0 |
| ven/23/09/2022 09:00 | 7.8 | 37 | 11.8 | 37.5 |
| ven/23/09/2022 09:10 | 8.1 | 56 | 12.1 | 46.1 |
| ven/23/09/2022 09:20 | 8.2 | 43 | 12.2 | 37.2 |
| ven/23/09/2022 09:30 | 7.3 | 44 | 11.1 | 51.0 |
| ven/23/09/2022 09:40 | 7.9 | 48 | 11.8 | 42.6 |
| ven/23/09/2022 09:50 | 7.0 | 39 | 10.8 | 47.2 |
| ven/23/09/2022 10:00 | 7.8 | 39 | 11.7 | 37.8 |
| ven/23/09/2022 10:10 | 6.8 | 43 | 10.5 | 51.2 |
| ven/23/09/2022 10:20 | 6.1 | 45 | 9.7 | 49.8 |
| ven/23/09/2022 10:30 | 6.2 | 28 | 9.8 | 45.9 |
| ven/23/09/2022 10:40 | 6.4 | 36 | 10.0 | 44.9 |
| ven/23/09/2022 10:50 | 6.6 | 30 | 10.2 | 44.4 |
| ven/23/09/2022 11:00 | 5.4 | 29 | 8.7 | 33.2 |
| ven/23/09/2022 11:10 | 5.7 | 47 | 9.2 | 46.6 |
| ven/23/09/2022 11:20 | 6.4 | 23 | 10.0 | 48.1 |
| ven/23/09/2022 11:30 | 5.7 | 16 | 9.1 | 50.4 |
| ven/23/09/2022 11:40 | 6.7 | 24 | 10.4 | 38.2 |
| ven/23/09/2022 11:50 | 6.5 | 18 | 10.2 | 37.1 |
| ven/23/09/2022 12:00 | 4.6 | 13 | 7.8 | 45.4 |

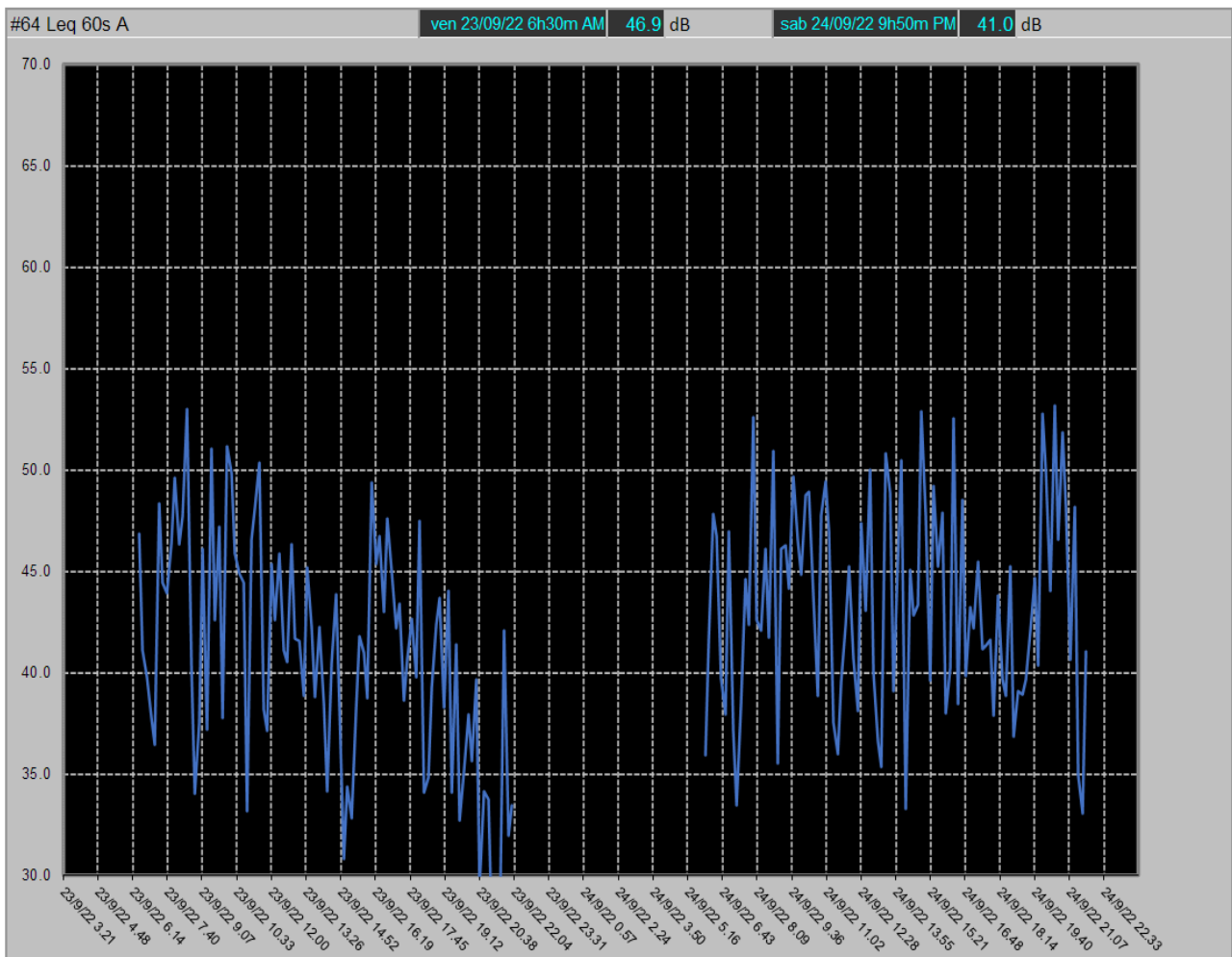
| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| Diurno (6-22) | m/s | deg | m/s | dB(A) |
| ven/23/09/2022 12:10 | 4.1 | 56 | 7.0 | 42.6 |
| ven/23/09/2022 12:20 | 5.9 | 360 | 9.4 | 45.9 |
| ven/23/09/2022 12:30 | 5.4 | 359 | 8.7 | 41.1 |
| ven/23/09/2022 12:40 | 4.8 | 5 | 8.0 | 40.5 |
| ven/23/09/2022 12:50 | 5.4 | 358 | 8.8 | 46.3 |
| ven/23/09/2022 13:00 | 6.8 | 14 | 10.6 | 41.7 |
| ven/23/09/2022 13:10 | 4.7 | 34 | 7.8 | 41.6 |
| ven/23/09/2022 13:20 | 4.0 | 40 | 6.9 | 38.8 |
| ven/23/09/2022 13:30 | 6.0 | 23 | 9.5 | 45.2 |
| ven/23/09/2022 13:40 | 5.2 | 35 | 8.5 | 42.3 |
| ven/23/09/2022 13:50 | 4.9 | 31 | 8.1 | 38.8 |
| ven/23/09/2022 14:00 | 4.0 | 21 | 6.9 | 42.2 |
| ven/23/09/2022 14:10 | 4.2 | 359 | 7.2 | 38.5 |
| ven/23/09/2022 14:20 | 4.3 | 357 | 7.4 | 34.2 |
| ven/23/09/2022 14:30 | 4.7 | 346 | 7.9 | 40.5 |
| ven/23/09/2022 14:40 | 5.5 | 14 | 8.9 | 43.9 |
| ven/23/09/2022 14:50 | 4.2 | 11 | 7.1 | 38.4 |
| ven/23/09/2022 15:00 | 4.5 | 358 | 7.6 | 30.8 |
| ven/23/09/2022 15:10 | 5.5 | 353 | 8.8 | 34.4 |
| ven/23/09/2022 15:20 | 5.0 | 8 | 8.3 | 32.8 |
| ven/23/09/2022 15:30 | 5.7 | 359 | 9.1 | 38.2 |
| ven/23/09/2022 15:40 | 4.3 | 6 | 7.4 | 41.8 |
| ven/23/09/2022 15:50 | 5.1 | 353 | 8.4 | 41.0 |
| ven/23/09/2022 16:00 | 4.5 | 3 | 7.7 | 38.8 |
| ven/23/09/2022 16:10 | 4.4 | 9 | 7.5 | 49.4 |
| ven/23/09/2022 16:20 | 4.1 | 8 | 7.1 | 45.4 |
| ven/23/09/2022 16:30 | 4.5 | 14 | 7.6 | 46.8 |
| ven/23/09/2022 16:40 | 3.8 | 20 | 6.6 | 43.0 |
| ven/23/09/2022 16:50 | 3.7 | 35 | 6.5 | 47.6 |
| ven/23/09/2022 17:00 | 4.3 | 33 | 7.3 | 45.0 |
| ven/23/09/2022 17:10 | 4.0 | 36 | 7.0 | 42.2 |
| ven/23/09/2022 17:20 | 4.1 | 34 | 7.1 | 43.4 |
| ven/23/09/2022 17:30 | 4.0 | 38 | 6.9 | 38.6 |
| ven/23/09/2022 17:40 | 3.1 | 34 | 5.7 | 40.7 |
| ven/23/09/2022 17:50 | 3.2 | 45 | 5.9 | 42.6 |
| ven/23/09/2022 18:00 | 3.4 | 51 | 6.2 | 39.8 |
| ven/23/09/2022 18:10 | 3.9 | 56 | 6.8 | 47.5 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| Diurno (6-22) | m/s | deg | m/s | dB(A) |
| ven/23/09/2022 18:20 | 3.5 | 68 | 6.3 | 34.1 |
| ven/23/09/2022 18:30 | 2.5 | 95 | 4.9 | 34.9 |
| ven/23/09/2022 18:40 | 2.3 | 110 | 4.5 | 39.3 |
| ven/23/09/2022 18:50 | 2.8 | 102 | 5.3 | 42.4 |
| ven/23/09/2022 19:00 | 3.0 | 85 | 5.6 | 43.7 |
| ven/23/09/2022 19:10 | 2.3 | 91 | 4.6 | 38.3 |
| ven/23/09/2022 19:20 | 2.3 | 96 | 4.6 | 44.1 |
| ven/23/09/2022 19:30 | 2.5 | 71 | 4.8 | 34.1 |
| ven/23/09/2022 19:40 | 2.4 | 64 | 4.7 | 41.4 |
| ven/23/09/2022 19:50 | 2.7 | 69 | 5.1 | 32.7 |
| ven/23/09/2022 20:00 | 2.6 | 80 | 5.0 | 35.2 |
| ven/23/09/2022 20:10 | 2.3 | 101 | 4.5 | 37.9 |
| ven/23/09/2022 20:20 | 2.2 | 101 | 4.4 | 35.7 |
| ven/23/09/2022 20:30 | 2.2 | 93 | 4.4 | 39.7 |
| ven/23/09/2022 20:40 | 1.4 | 150 | 3.3 | 29.5 |
| ven/23/09/2022 20:50 | 1.0 | 164 | 2.6 | 34.1 |
| ven/23/09/2022 21:00 | 0.8 | 162 | 2.3 | 33.7 |
| ven/23/09/2022 21:10 | 0.5 | 177 | 1.6 | 27.1 |
| ven/23/09/2022 21:20 | 0.5 | 185 | 1.6 | 25.2 |
| ven/23/09/2022 21:30 | 0.4 | 202 | 1.5 | 26.8 |
| ven/23/09/2022 21:40 | 1.6 | 230 | 3.5 | 42.1 |
| ven/23/09/2022 21:50 | 1.1 | 234 | 2.7 | 32.0 |
| ven/23/09/2022 22:00 | 1.3 | 253 | 3.0 | 33.5 |
| sab/24/09/2022 06:00 | 6.1 | 242 | 9.7 | 36.0 |
| sab/24/09/2022 06:10 | 6.1 | 244 | 9.7 | 41.7 |
| sab/24/09/2022 06:20 | 5.8 | 241 | 9.2 | 47.8 |
| sab/24/09/2022 06:30 | 5.7 | 236 | 9.2 | 46.8 |
| sab/24/09/2022 06:40 | 5.7 | 235 | 9.1 | 39.7 |
| sab/24/09/2022 06:50 | 5.7 | 243 | 9.2 | 37.9 |
| sab/24/09/2022 07:00 | 6.3 | 241 | 9.8 | 46.9 |
| sab/24/09/2022 07:10 | 6.2 | 238 | 9.8 | 37.1 |
| sab/24/09/2022 07:20 | 6.0 | 237 | 9.5 | 33.5 |
| sab/24/09/2022 07:30 | 5.8 | 239 | 9.3 | 38.5 |
| sab/24/09/2022 07:40 | 5.5 | 244 | 8.9 | 44.6 |
| sab/24/09/2022 07:50 | 5.3 | 254 | 8.7 | 42.3 |
| sab/24/09/2022 08:00 | 5.9 | 255 | 9.4 | 52.6 |
| sab/24/09/2022 08:10 | 4.9 | 261 | 8.1 | 42.6 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| Diurno (6-22) | m/s | deg | m/s | dB(A) |
| sab/24/09/2022 08:20 | 5.1 | 254 | 8.4 | 42.1 |
| sab/24/09/2022 08:30 | 4.8 | 254 | 7.9 | 46.1 |
| sab/24/09/2022 08:40 | 6.2 | 256 | 9.8 | 41.7 |
| sab/24/09/2022 08:50 | 7.3 | 255 | 11.1 | 50.9 |
| sab/24/09/2022 09:00 | 8.2 | 260 | 12.2 | 35.5 |
| sab/24/09/2022 09:10 | 7.6 | 256 | 11.5 | 46.1 |
| sab/24/09/2022 09:20 | 7.2 | 270 | 11.0 | 46.3 |
| sab/24/09/2022 09:30 | 6.5 | 256 | 10.1 | 44.1 |
| sab/24/09/2022 09:40 | 7.6 | 280 | 11.4 | 49.7 |
| sab/24/09/2022 09:50 | 7.2 | 269 | 11.0 | 46.5 |
| sab/24/09/2022 10:00 | 6.6 | 263 | 10.3 | 44.9 |
| sab/24/09/2022 10:10 | 6.3 | 263 | 9.9 | 48.7 |
| sab/24/09/2022 10:20 | 7.1 | 264 | 10.8 | 48.9 |
| sab/24/09/2022 10:30 | 7.7 | 276 | 11.6 | 43.8 |
| sab/24/09/2022 10:40 | 7.0 | 273 | 10.8 | 38.9 |
| sab/24/09/2022 10:50 | 6.7 | 283 | 10.4 | 47.8 |
| sab/24/09/2022 11:00 | 6.8 | 275 | 10.6 | 49.4 |
| sab/24/09/2022 11:10 | 7.1 | 275 | 10.9 | 46.9 |
| sab/24/09/2022 11:20 | 7.4 | 267 | 11.3 | 37.6 |
| sab/24/09/2022 11:30 | 6.5 | 267 | 10.1 | 36.0 |
| sab/24/09/2022 11:40 | 6.9 | 269 | 10.6 | 39.6 |
| sab/24/09/2022 11:50 | 7.1 | 264 | 10.9 | 42.4 |
| sab/24/09/2022 12:00 | 7.5 | 271 | 11.4 | 45.3 |
| sab/24/09/2022 12:10 | 7.5 | 261 | 11.4 | 40.7 |
| sab/24/09/2022 12:20 | 7.0 | 255 | 10.8 | 38.1 |
| sab/24/09/2022 12:30 | 7.2 | 260 | 11.1 | 47.3 |
| sab/24/09/2022 12:40 | 7.4 | 257 | 11.2 | 43.0 |
| sab/24/09/2022 12:50 | 7.1 | 251 | 10.9 | 50.0 |
| sab/24/09/2022 13:00 | 6.9 | 248 | 10.7 | 40.0 |
| sab/24/09/2022 13:10 | 7.8 | 250 | 11.7 | 36.6 |
| sab/24/09/2022 13:20 | 6.9 | 233 | 10.7 | 35.4 |
| sab/24/09/2022 13:30 | 7.7 | 239 | 11.6 | 50.8 |
| sab/24/09/2022 13:40 | 7.0 | 235 | 10.7 | 48.9 |
| sab/24/09/2022 13:50 | 7.4 | 241 | 11.3 | 39.1 |
| sab/24/09/2022 14:00 | 7.7 | 227 | 11.6 | 45.5 |
| sab/24/09/2022 14:10 | 6.9 | 234 | 10.6 | 50.5 |
| sab/24/09/2022 14:20 | 6.0 | 254 | 9.5 | 33.3 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| Diurno (6-22) | m/s | deg | m/s | dB(A) |
| sab/24/09/2022 14:30 | 6.8 | 248 | 10.5 | 45.1 |
| sab/24/09/2022 14:40 | 6.3 | 234 | 9.9 | 42.8 |
| sab/24/09/2022 14:50 | 6.2 | 259 | 9.8 | 43.4 |
| sab/24/09/2022 15:00 | 7.1 | 267 | 10.9 | 52.9 |
| sab/24/09/2022 15:10 | 7.5 | 267 | 11.4 | 47.8 |
| sab/24/09/2022 15:20 | 7.6 | 263 | 11.5 | 39.6 |
| sab/24/09/2022 15:30 | 7.7 | 270 | 11.6 | 49.2 |
| sab/24/09/2022 15:40 | 7.4 | 266 | 11.3 | 45.3 |
| sab/24/09/2022 15:50 | 7.1 | 262 | 10.9 | 47.9 |
| sab/24/09/2022 16:00 | 6.3 | 252 | 9.9 | 38.0 |
| sab/24/09/2022 16:10 | 7.3 | 268 | 11.1 | 40.2 |
| sab/24/09/2022 16:20 | 6.9 | 264 | 10.6 | 52.5 |
| sab/24/09/2022 16:30 | 7.0 | 266 | 10.8 | 38.5 |
| sab/24/09/2022 16:40 | 6.5 | 266 | 10.2 | 48.5 |
| sab/24/09/2022 16:50 | 6.8 | 265 | 10.5 | 39.8 |
| sab/24/09/2022 17:00 | 5.7 | 257 | 9.1 | 43.2 |
| sab/24/09/2022 17:10 | 5.4 | 248 | 8.8 | 42.2 |
| sab/24/09/2022 17:20 | 5.5 | 241 | 8.9 | 45.5 |
| sab/24/09/2022 17:30 | 5.3 | 245 | 8.6 | 41.2 |
| sab/24/09/2022 17:40 | 5.9 | 251 | 9.4 | 41.4 |
| sab/24/09/2022 17:50 | 6.3 | 250 | 9.9 | 41.6 |
| sab/24/09/2022 18:00 | 6.3 | 247 | 10.0 | 37.9 |
| sab/24/09/2022 18:10 | 6.1 | 246 | 9.6 | 43.8 |
| sab/24/09/2022 18:20 | 5.2 | 243 | 8.5 | 39.7 |
| sab/24/09/2022 18:30 | 4.8 | 249 | 8.0 | 38.9 |
| sab/24/09/2022 18:40 | 5.2 | 251 | 8.5 | 45.3 |
| sab/24/09/2022 18:50 | 5.1 | 242 | 8.4 | 36.8 |
| sab/24/09/2022 19:00 | 5.3 | 242 | 8.7 | 39.1 |
| sab/24/09/2022 19:10 | 4.4 | 229 | 7.4 | 38.9 |
| sab/24/09/2022 19:20 | 4.1 | 221 | 7.1 | 39.7 |
| sab/24/09/2022 19:30 | 5.4 | 228 | 8.7 | 42.1 |
| sab/24/09/2022 19:40 | 6.1 | 229 | 9.7 | 44.6 |
| sab/24/09/2022 19:50 | 6.1 | 230 | 9.7 | 40.3 |
| sab/24/09/2022 20:00 | 6.9 | 235 | 10.7 | 52.8 |
| sab/24/09/2022 20:10 | 7.1 | 237 | 10.9 | 49.9 |
| sab/24/09/2022 20:20 | 7.3 | 235 | 11.1 | 44.1 |
| sab/24/09/2022 20:30 | 9.1 | 235 | 13.3 | 53.2 |

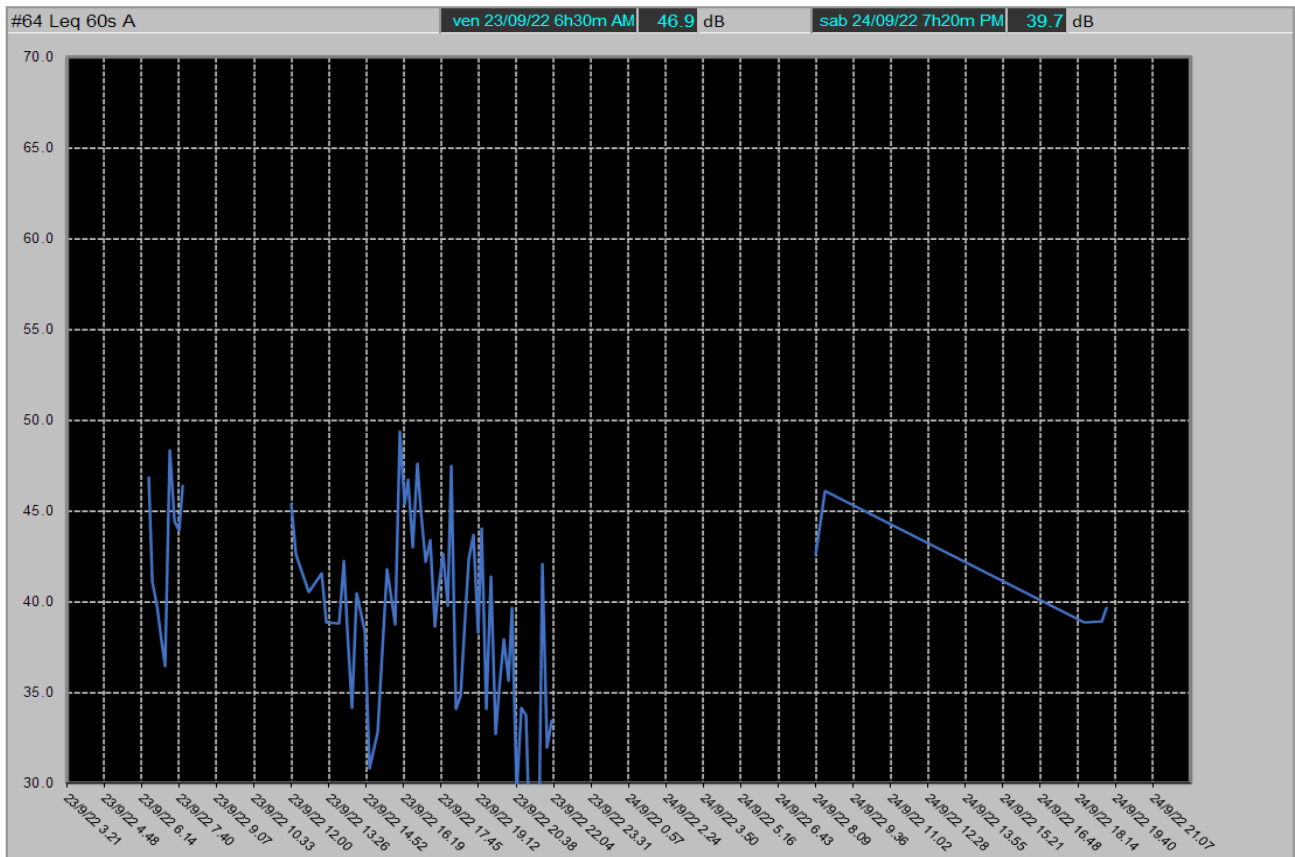
| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE | |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti | |
| Diurno (6-22) | m/s | deg | m/s | dB(A) | |
| sab/24/09/2022 20:40 | 8.5 | 244 | 12.6 | 46.5 | |
| sab/24/09/2022 20:50 | 7.2 | 248 | 11.0 | 51.9 | |
| sab/24/09/2022 21:00 | 8.1 | 251 | 12.1 | 48.2 | |
| sab/24/09/2022 21:10 | 9.5 | 244 | 13.8 | 40.6 | |
| sab/24/09/2022 21:20 | 8.4 | 249 | 12.5 | 48.2 | |
| sab/24/09/2022 21:30 | 7.1 | 246 | 10.9 | 35.0 | |
| sab/24/09/2022 21:40 | 6.6 | 246 | 10.2 | 33.1 | |
| sab/24/09/2022 21:50 | 6.2 | 243 | 9.7 | 41.0 | |
| MIN | 0.4 | 1 | 1.5 | 25.2 | |
| MAX | 9.5 | 360 | 13.8 | 53.2 | |
| MEDIANA | 5.9 | 235 | 9.4 | 42.2 | |
| MEDIA | 5.5 | 171 | 8.8 | 42.1 | |
| MODA | 4.0 | 14 | 6.9 | 42.6 | |
| | | | | Leq | 45.2 |



Validazione con vento ≤ 5 m/sec (D.M. 1 giugno 2022)

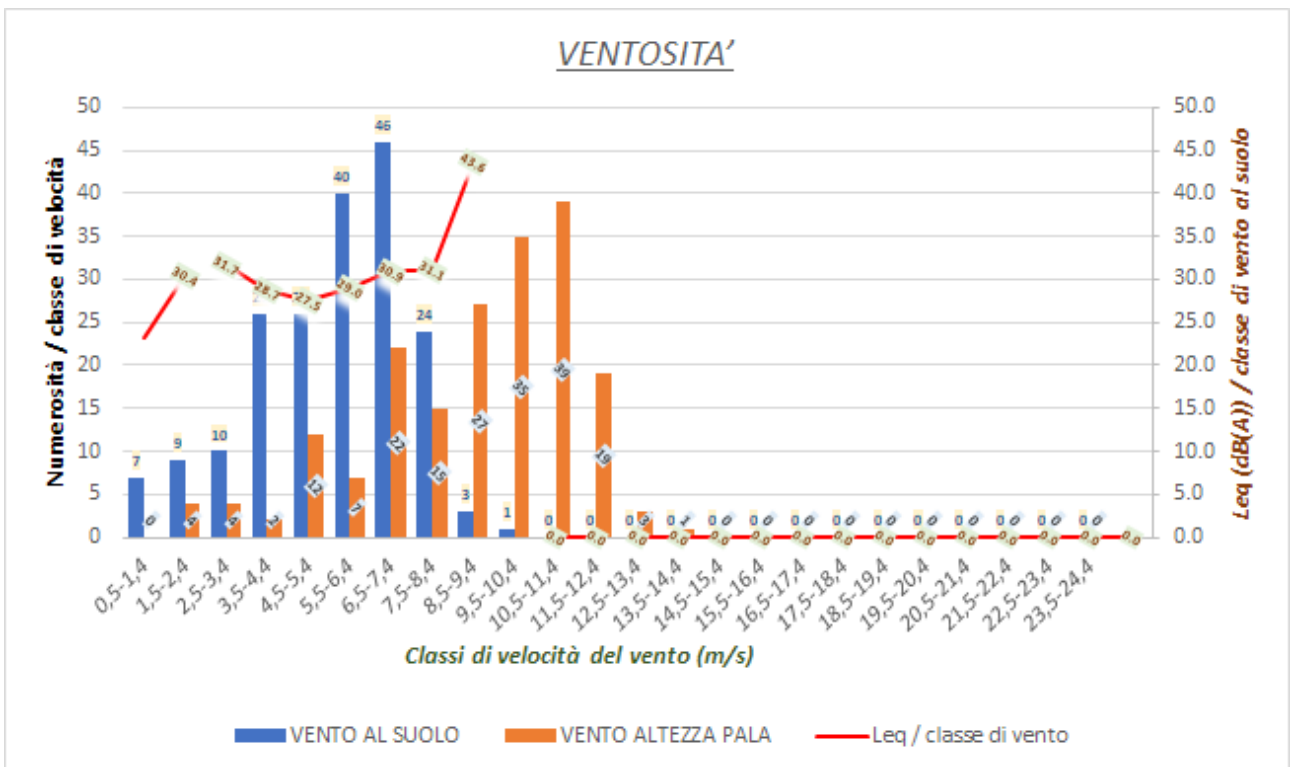
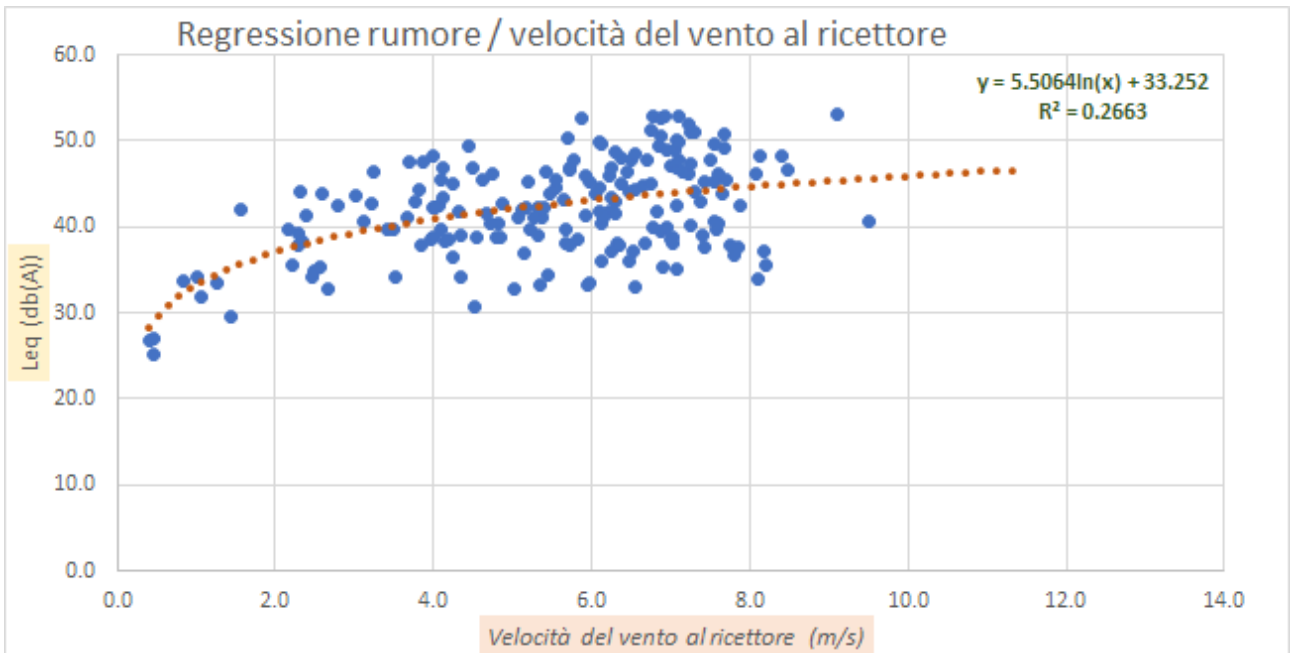
| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| <i>Diurno (6-22)</i> | <i>m/s</i> | <i>deg</i> | <i>m/s</i> | <i>dB(A)</i> |
| ven/23/09/2022 21:30 | 0.4 | 202 | 1.5 | 26.8 |
| ven/23/09/2022 21:20 | 0.5 | 185 | 1.6 | 25.2 |
| ven/23/09/2022 21:10 | 0.5 | 177 | 1.6 | 27.1 |
| ven/23/09/2022 21:00 | 0.8 | 162 | 2.3 | 33.7 |
| ven/23/09/2022 20:50 | 1.0 | 164 | 2.6 | 34.1 |
| ven/23/09/2022 21:50 | 1.1 | 234 | 2.7 | 32.0 |
| ven/23/09/2022 22:00 | 1.3 | 253 | 3.0 | 33.5 |
| ven/23/09/2022 20:40 | 1.4 | 150 | 3.3 | 29.5 |
| ven/23/09/2022 21:40 | 1.6 | 230 | 3.5 | 42.1 |
| ven/23/09/2022 20:30 | 2.2 | 93 | 4.4 | 39.7 |
| ven/23/09/2022 20:20 | 2.2 | 101 | 4.4 | 35.7 |
| ven/23/09/2022 18:40 | 2.3 | 110 | 4.5 | 39.3 |
| ven/23/09/2022 20:10 | 2.3 | 101 | 4.5 | 37.9 |
| ven/23/09/2022 19:20 | 2.3 | 96 | 4.6 | 44.1 |
| ven/23/09/2022 19:10 | 2.3 | 91 | 4.6 | 38.3 |
| ven/23/09/2022 19:40 | 2.4 | 64 | 4.7 | 41.4 |
| ven/23/09/2022 19:30 | 2.5 | 71 | 4.8 | 34.1 |
| ven/23/09/2022 18:30 | 2.5 | 95 | 4.9 | 34.9 |
| ven/23/09/2022 20:00 | 2.6 | 80 | 5.0 | 35.2 |
| ven/23/09/2022 07:40 | 2.6 | 70 | 5.0 | 43.9 |
| ven/23/09/2022 19:50 | 2.7 | 69 | 5.1 | 32.7 |
| ven/23/09/2022 18:50 | 2.8 | 102 | 5.3 | 42.4 |
| ven/23/09/2022 19:00 | 3.0 | 85 | 5.6 | 43.7 |
| ven/23/09/2022 17:40 | 3.1 | 34 | 5.7 | 40.7 |
| ven/23/09/2022 17:50 | 3.2 | 45 | 5.9 | 42.6 |
| ven/23/09/2022 07:50 | 3.2 | 51 | 5.9 | 46.4 |
| ven/23/09/2022 18:00 | 3.4 | 51 | 6.2 | 39.8 |
| ven/23/09/2022 06:50 | 3.5 | 14 | 6.2 | 39.8 |
| ven/23/09/2022 18:20 | 3.5 | 68 | 6.3 | 34.1 |
| ven/23/09/2022 06:40 | 3.7 | 14 | 6.5 | 41.1 |
| ven/23/09/2022 16:50 | 3.7 | 35 | 6.5 | 47.6 |
| ven/23/09/2022 16:40 | 3.8 | 20 | 6.6 | 43.0 |
| ven/23/09/2022 07:30 | 3.8 | 29 | 6.7 | 44.4 |
| ven/23/09/2022 07:00 | 3.9 | 12 | 6.7 | 37.7 |
| ven/23/09/2022 18:10 | 3.9 | 56 | 6.8 | 47.5 |
| ven/23/09/2022 17:30 | 4.0 | 38 | 6.9 | 38.6 |
| ven/23/09/2022 07:20 | 4.0 | 1 | 6.9 | 48.3 |
| ven/23/09/2022 13:20 | 4.0 | 40 | 6.9 | 38.8 |
| ven/23/09/2022 14:00 | 4.0 | 21 | 6.9 | 42.2 |
| ven/23/09/2022 17:10 | 4.0 | 36 | 7.0 | 42.2 |
| ven/23/09/2022 12:10 | 4.1 | 56 | 7.0 | 42.6 |
| ven/23/09/2022 16:20 | 4.1 | 8 | 7.1 | 45.4 |
| sab/24/09/2022 19:20 | 4.1 | 221 | 7.1 | 39.7 |
| ven/23/09/2022 06:30 | 4.1 | 10 | 7.1 | 46.9 |
| ven/23/09/2022 17:20 | 4.1 | 34 | 7.1 | 43.4 |
| ven/23/09/2022 14:50 | 4.2 | 11 | 7.1 | 38.4 |
| ven/23/09/2022 14:10 | 4.2 | 359 | 7.2 | 38.5 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE | |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti | |
| Diurno (6-22) | m/s | deg | m/s | dB(A) | |
| ven/23/09/2022 07:10 | 4.3 | 5 | 7.3 | 36.5 | |
| ven/23/09/2022 17:00 | 4.3 | 33 | 7.3 | 45.0 | |
| ven/23/09/2022 15:40 | 4.3 | 6 | 7.4 | 41.8 | |
| ven/23/09/2022 14:20 | 4.3 | 357 | 7.4 | 34.2 | |
| sab/24/09/2022 19:10 | 4.4 | 229 | 7.4 | 38.9 | |
| ven/23/09/2022 16:10 | 4.4 | 9 | 7.5 | 49.4 | |
| ven/23/09/2022 16:30 | 4.5 | 14 | 7.6 | 46.8 | |
| ven/23/09/2022 15:00 | 4.5 | 358 | 7.6 | 30.8 | |
| ven/23/09/2022 16:00 | 4.5 | 3 | 7.7 | 38.8 | |
| ven/23/09/2022 12:00 | 4.6 | 13 | 7.8 | 45.4 | |
| ven/23/09/2022 13:10 | 4.7 | 34 | 7.8 | 41.6 | |
| ven/23/09/2022 14:30 | 4.7 | 346 | 7.9 | 40.5 | |
| sab/24/09/2022 08:30 | 4.8 | 254 | 7.9 | 46.1 | |
| sab/24/09/2022 18:30 | 4.8 | 249 | 8.0 | 38.9 | |
| ven/23/09/2022 12:40 | 4.8 | 5 | 8.0 | 40.5 | |
| ven/23/09/2022 13:50 | 4.9 | 31 | 8.1 | 38.8 | |
| sab/24/09/2022 08:10 | 4.9 | 261 | 8.1 | 42.6 | |
| ven/23/09/2022 15:20 | 5.0 | 8 | 8.3 | 32.8 | |
| MIN | 0.4 | 1 | 1.5 | 25.2 | |
| MAX | 5.0 | 359 | 8.3 | 49.4 | |
| MEDIANA | 3.8 | 64 | 6.7 | 39.8 | |
| MEDIA | 3.3 | 99 | 6.0 | 39.5 | |
| MODA | 4.0 | 14 | 6.9 | 42.6 | |
| | | | | Leq | 42.2 |



VENTOSITA' RILEVATA

| CLASSI DI VENTO(m/s) | Numerosità alla sorgente (h = 105 m) | Numerosità al ricettore (h = 4 m) | Leq_i (dB(A)) / Classe di vento al ricettore |
|-----------------------------|---|--|---|
| 0,5-1,4 | 0 | 7 | 23.1 |
| 1,5-2,4 | 4 | 9 | 30.4 |
| 2,5-3,4 | 4 | 10 | 31.7 |
| 3,5-4,4 | 2 | 26 | 28.7 |
| 4,5-5,4 | 12 | 26 | 27.5 |
| 5,5-6,4 | 7 | 40 | 29.0 |
| 6,5-7,4 | 22 | 46 | 30.9 |
| 7,5-8,4 | 15 | 24 | 31.1 |
| 8,5-9,4 | 27 | 3 | 43.6 |
| 9,5-10,4 | 35 | 1 | 40.6 |
| 10,5-11,4 | 39 | 0 | - |
| 11,5-12,4 | 19 | 0 | - |
| 12,5-13,4 | 3 | 0 | - |
| 13,5-14,4 | 1 | 0 | - |
| 14,5-15,4 | 0 | 0 | - |
| 15,5-16,4 | 0 | 0 | - |
| 16,5-17,4 | 0 | 0 | - |
| 17,5-18,4 | 0 | 0 | - |
| 18,5-19,4 | 0 | 0 | - |
| 19,5-20,4 | 0 | 0 | - |
| 20,5-21,4 | 0 | 0 | - |
| 21,5-22,4 | 0 | 0 | - |
| 22,5-23,4 | 0 | 0 | - |
| 23,5-24,4 | 0 | 0 | - |
| 24,5-25,4 | 0 | 0 | - |



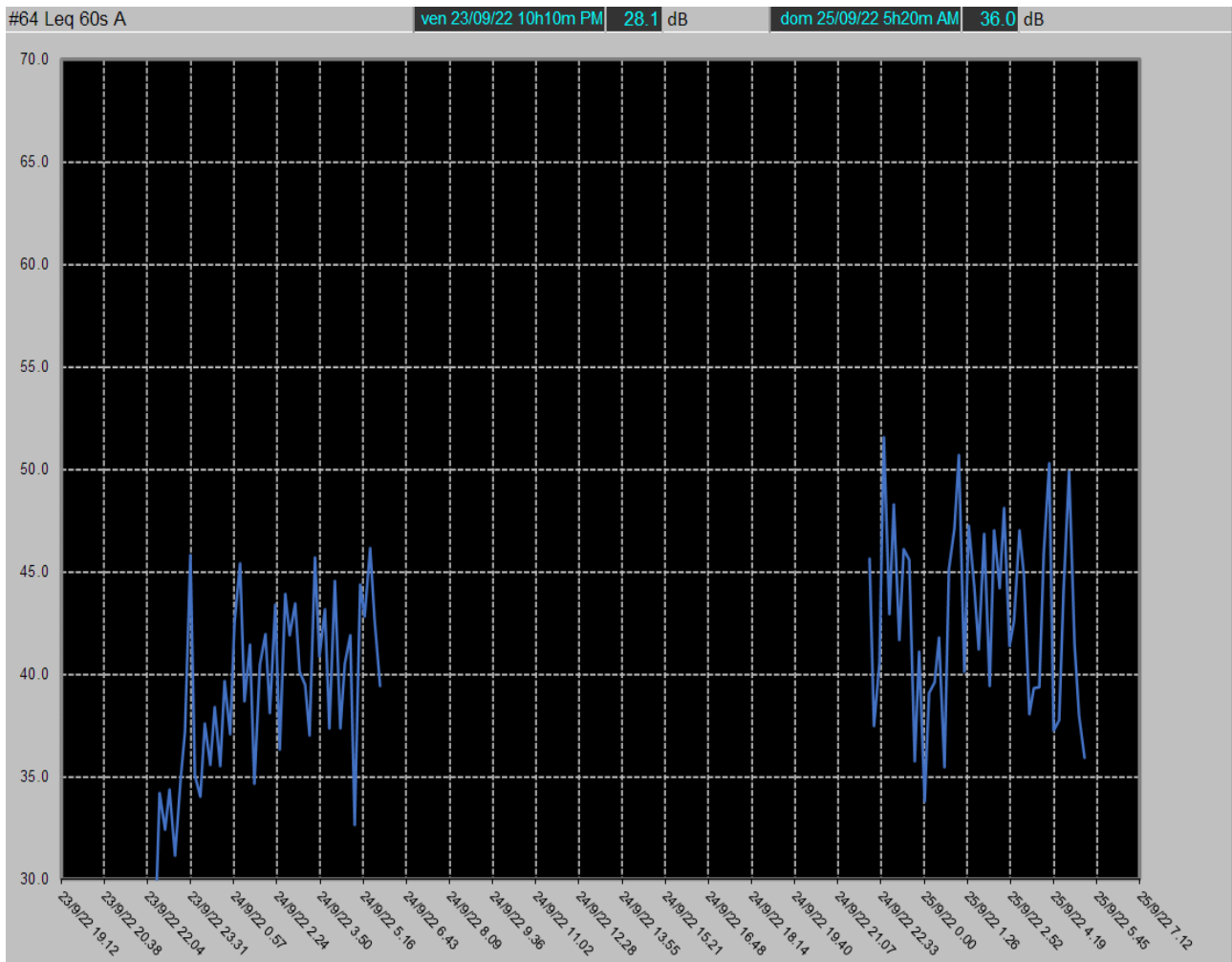
Misure notturne

TOTALI

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| Notturmo (22 - 6) | m/s | deg | m/s | dB(A) |
| ven/23/09/2022 22:10 | 1.4 | 251 | 3.1 | 28.1 |
| ven/23/09/2022 22:20 | 1.3 | 221 | 3.0 | 27.4 |
| ven/23/09/2022 22:30 | 1.1 | 229 | 2.8 | 34.2 |
| ven/23/09/2022 22:40 | 0.9 | 216 | 2.3 | 32.4 |
| ven/23/09/2022 22:50 | 1.2 | 234 | 2.8 | 34.4 |
| ven/23/09/2022 23:00 | 2.3 | 257 | 4.6 | 31.2 |
| ven/23/09/2022 23:10 | 2.6 | 253 | 4.9 | 34.8 |
| ven/23/09/2022 23:20 | 2.9 | 235 | 5.4 | 37.2 |
| ven/23/09/2022 23:30 | 4.6 | 235 | 7.8 | 45.8 |
| ven/23/09/2022 23:40 | 4.2 | 245 | 7.2 | 35.1 |
| ven/23/09/2022 23:50 | 4.9 | 240 | 8.2 | 34.0 |
| sab/24/09/2022 00:00 | 5.4 | 244 | 8.8 | 37.6 |
| sab/24/09/2022 00:10 | 5.5 | 249 | 8.8 | 35.6 |
| sab/24/09/2022 00:20 | 5.3 | 247 | 8.6 | 38.4 |
| sab/24/09/2022 00:30 | 5.1 | 247 | 8.3 | 35.5 |
| sab/24/09/2022 00:40 | 5.1 | 249 | 8.4 | 39.7 |
| sab/24/09/2022 00:50 | 5.4 | 249 | 8.8 | 37.1 |
| sab/24/09/2022 01:00 | 5.3 | 250 | 8.6 | 42.6 |
| sab/24/09/2022 01:10 | 5.6 | 248 | 9.0 | 45.4 |
| sab/24/09/2022 01:20 | 5.6 | 246 | 9.0 | 38.7 |
| sab/24/09/2022 01:30 | 5.8 | 247 | 9.3 | 41.5 |
| sab/24/09/2022 01:40 | 6.0 | 248 | 9.5 | 34.7 |
| sab/24/09/2022 01:50 | 6.2 | 251 | 9.8 | 40.5 |
| sab/24/09/2022 02:00 | 6.0 | 248 | 9.6 | 42.0 |
| sab/24/09/2022 02:10 | 6.1 | 248 | 9.7 | 38.1 |
| sab/24/09/2022 02:20 | 6.2 | 249 | 9.8 | 43.4 |
| sab/24/09/2022 02:30 | 6.3 | 248 | 9.9 | 36.3 |
| sab/24/09/2022 02:40 | 6.4 | 249 | 10.0 | 43.9 |
| sab/24/09/2022 02:50 | 6.8 | 251 | 10.6 | 41.9 |
| sab/24/09/2022 03:00 | 7.1 | 253 | 10.9 | 43.4 |
| sab/24/09/2022 03:10 | 7.1 | 249 | 10.9 | 40.1 |
| sab/24/09/2022 03:20 | 7.3 | 246 | 11.1 | 39.5 |
| sab/24/09/2022 03:30 | 7.5 | 247 | 11.4 | 37.0 |
| sab/24/09/2022 03:40 | 7.5 | 249 | 11.4 | 45.7 |
| sab/24/09/2022 03:50 | 7.5 | 248 | 11.3 | 40.9 |
| sab/24/09/2022 04:00 | 7.5 | 251 | 11.4 | 43.2 |
| sab/24/09/2022 04:10 | 7.1 | 249 | 10.9 | 37.3 |
| sab/24/09/2022 04:20 | 7.0 | 250 | 10.8 | 44.5 |
| sab/24/09/2022 04:30 | 6.8 | 254 | 10.5 | 37.4 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| Notturmo (22 - 6) | m/s | deg | m/s | dB(A) |
| sab/24/09/2022 04:40 | 6.6 | 252 | 10.2 | 40.5 |
| sab/24/09/2022 04:50 | 6.7 | 254 | 10.4 | 41.9 |
| sab/24/09/2022 05:00 | 6.4 | 253 | 10.0 | 32.6 |
| sab/24/09/2022 05:10 | 6.1 | 251 | 9.7 | 44.4 |
| sab/24/09/2022 05:20 | 6.4 | 248 | 10.0 | 42.8 |
| sab/24/09/2022 05:30 | 6.1 | 243 | 9.7 | 46.1 |
| sab/24/09/2022 05:40 | 6.4 | 243 | 10.1 | 42.7 |
| sab/24/09/2022 05:50 | 6.3 | 244 | 9.9 | 39.5 |
| sab/24/09/2022 22:10 | 7.5 | 242 | 11.4 | 45.7 |
| sab/24/09/2022 22:20 | 8.1 | 238 | 12.1 | 37.5 |
| sab/24/09/2022 22:30 | 8.6 | 243 | 12.7 | 40.6 |
| sab/24/09/2022 22:40 | 8.6 | 241 | 12.6 | 51.6 |
| sab/24/09/2022 22:50 | 9.4 | 240 | 13.6 | 43.0 |
| sab/24/09/2022 23:00 | 11.3 | 244 | 15.9 | 48.3 |
| sab/24/09/2022 23:10 | 11.3 | 246 | 15.9 | 41.7 |
| sab/24/09/2022 23:20 | 10.9 | 252 | 15.4 | 46.1 |
| sab/24/09/2022 23:30 | 8.9 | 251 | 13.1 | 45.6 |
| sab/24/09/2022 23:40 | 7.9 | 254 | 11.8 | 35.7 |
| sab/24/09/2022 23:50 | 7.1 | 250 | 10.9 | 41.1 |
| dom/25/09/2022 00:00 | 7.4 | 249 | 11.2 | 33.8 |
| dom/25/09/2022 00:10 | 6.8 | 245 | 10.5 | 39.1 |
| dom/25/09/2022 00:20 | 7.1 | 241 | 10.8 | 39.6 |
| dom/25/09/2022 00:30 | 7.5 | 243 | 11.3 | 41.8 |
| dom/25/09/2022 00:40 | 7.3 | 245 | 11.2 | 35.5 |
| dom/25/09/2022 00:50 | 7.2 | 243 | 11.0 | 45.2 |
| dom/25/09/2022 01:00 | 7.5 | 236 | 11.4 | 47.1 |
| dom/25/09/2022 01:10 | 8.8 | 235 | 12.9 | 50.7 |
| dom/25/09/2022 01:20 | 8.3 | 240 | 12.4 | 40.1 |
| dom/25/09/2022 01:30 | 7.5 | 243 | 11.4 | 47.2 |
| dom/25/09/2022 01:40 | 7.4 | 234 | 11.2 | 44.2 |
| dom/25/09/2022 01:50 | 6.6 | 228 | 10.3 | 41.2 |
| dom/25/09/2022 02:00 | 7.6 | 224 | 11.5 | 46.8 |
| dom/25/09/2022 02:10 | 8.1 | 220 | 12.1 | 39.4 |
| dom/25/09/2022 02:20 | 9.4 | 222 | 13.7 | 47.0 |
| dom/25/09/2022 02:30 | 8.3 | 223 | 12.3 | 44.2 |
| dom/25/09/2022 02:40 | 8.6 | 224 | 12.7 | 48.1 |
| dom/25/09/2022 02:50 | 9.1 | 221 | 13.3 | 41.4 |
| dom/25/09/2022 03:00 | 8.0 | 218 | 11.9 | 42.6 |
| dom/25/09/2022 03:10 | 8.2 | 217 | 12.3 | 47.0 |
| dom/25/09/2022 03:20 | 8.2 | 214 | 12.2 | 44.8 |
| dom/25/09/2022 03:30 | 7.3 | 210 | 11.1 | 38.1 |
| dom/25/09/2022 03:40 | 8.0 | 209 | 12.0 | 39.3 |
| dom/25/09/2022 03:50 | 9.8 | 207 | 14.1 | 39.4 |

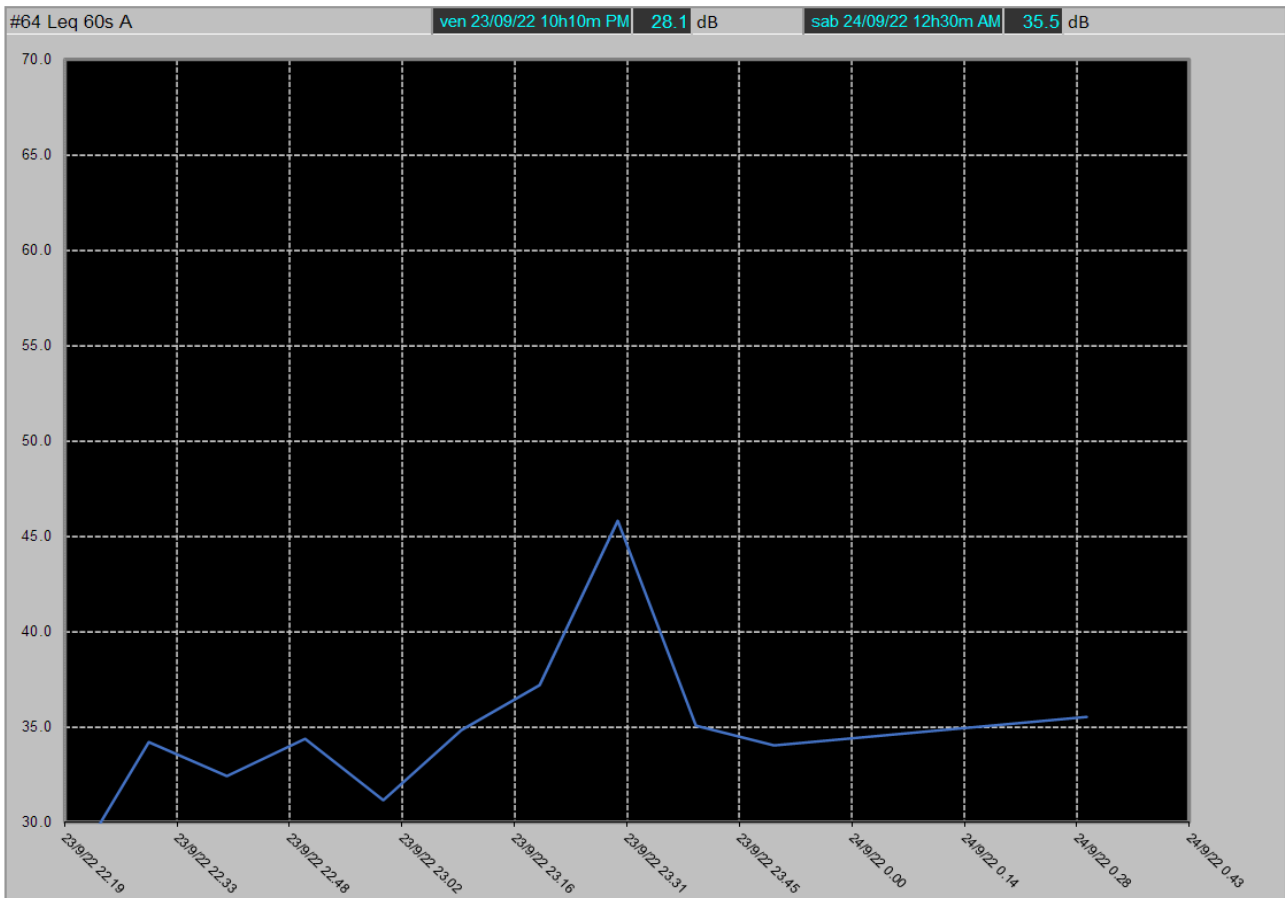
| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE | |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti | |
| Notturmo (22 - 6) | m/s | deg | m/s | dB(A) | |
| dom/25/09/2022 04:00 | 9.9 | 206 | 14.2 | 45.9 | |
| dom/25/09/2022 04:10 | 10.2 | 212 | 14.6 | 50.3 | |
| dom/25/09/2022 04:20 | 9.9 | 212 | 14.3 | 37.2 | |
| dom/25/09/2022 04:30 | 11.4 | 211 | 15.9 | 37.8 | |
| dom/25/09/2022 04:40 | 11.8 | 213 | 16.4 | 44.1 | |
| dom/25/09/2022 04:50 | 12.7 | 208 | 17.5 | 49.9 | |
| dom/25/09/2022 05:00 | 11.6 | 208 | 16.1 | 41.5 | |
| dom/25/09/2022 05:10 | 10.4 | 208 | 14.8 | 38.0 | |
| dom/25/09/2022 05:20 | 10.0 | 206 | 14.3 | 36.0 | |
| MIN | 0.9 | 206 | 2.3 | 27.4 | |
| MAX | 12.7 | 257 | 17.5 | 51.6 | |
| MEDIANA | 7.1 | 244 | 10.9 | 40.9 | |
| MEDIA | 7.1 | 238 | 10.7 | 40.7 | |
| MODA | 7.1 | 249 | 10.9 | 37.2 | |
| | | | | Leq | 43.3 |



Validazione con vento ≤ 5 m/sec (D.M. 1 giugno 2022)

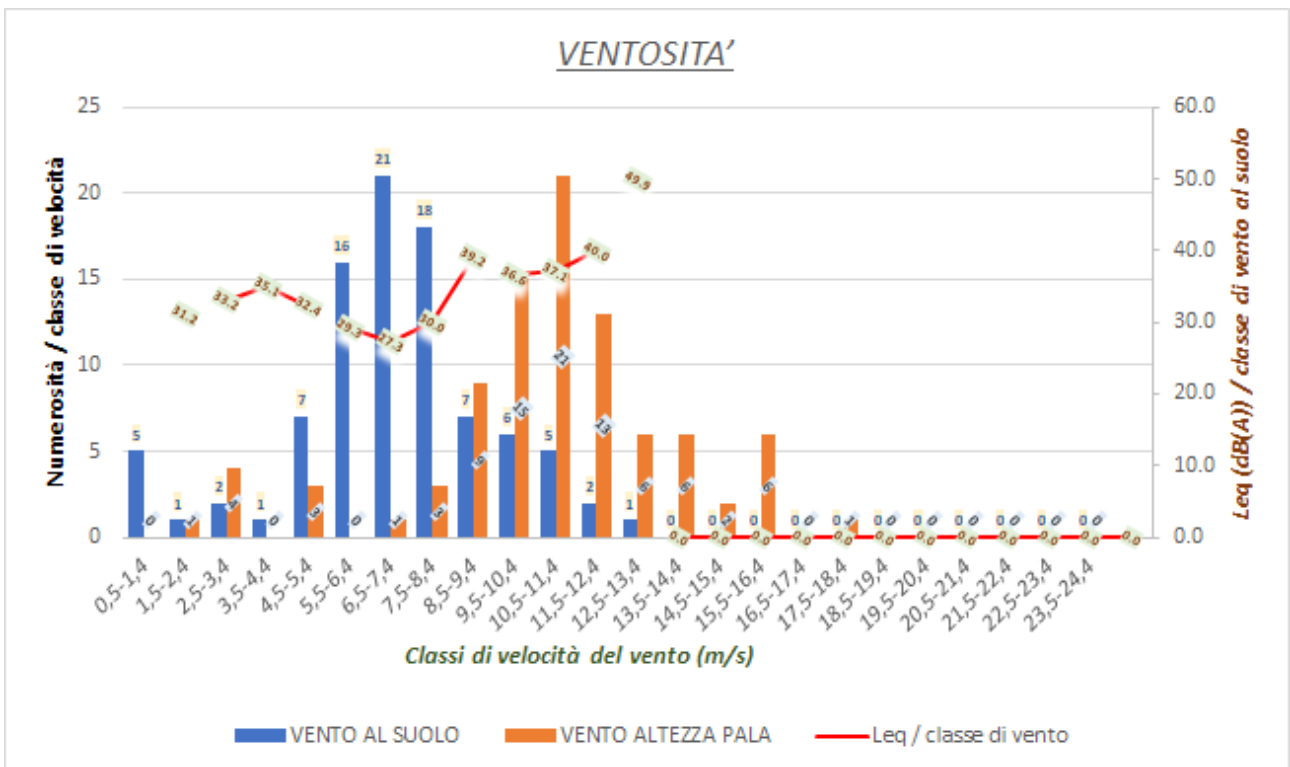
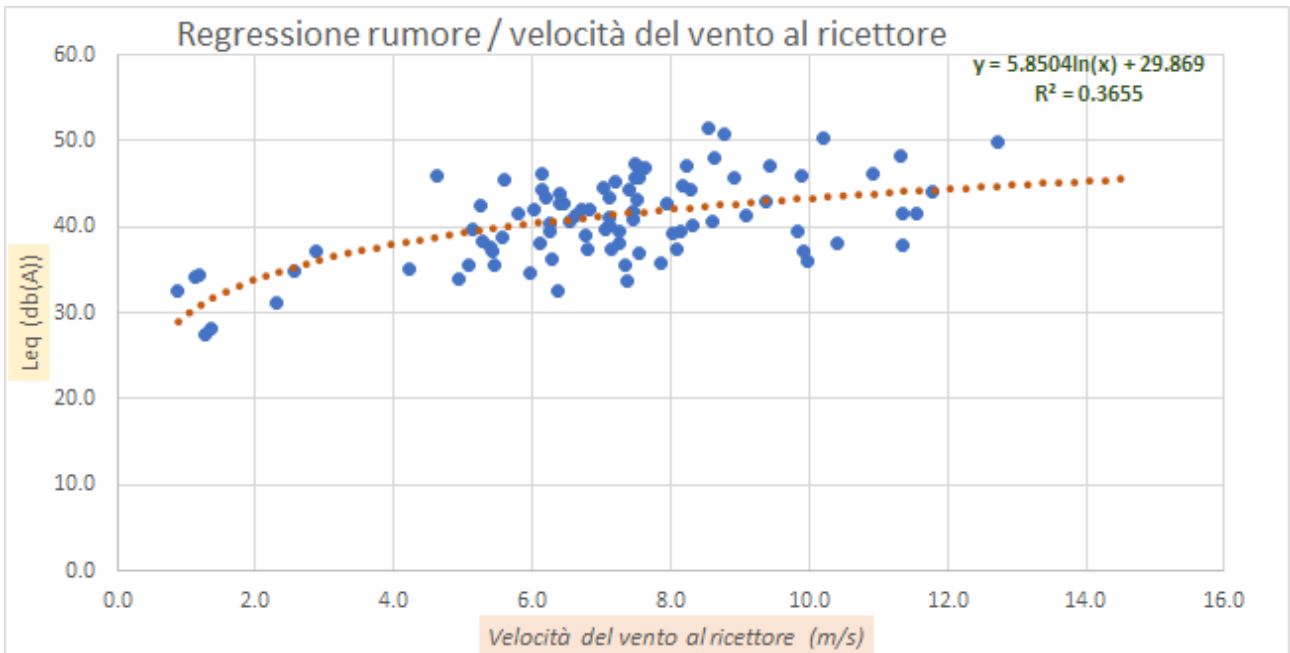
| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE |
|--------------------------|-----------------------------|------------------|--------------------------|---------------------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti |
| <i>Notturmo (22 - 6)</i> | <i>m/s</i> | <i>deg</i> | <i>m/s</i> | <i>dB(A)</i> |
| ven/23/09/2022 22:40 | 0.9 | 216 | 2.3 | 32.4 |
| ven/23/09/2022 22:30 | 1.1 | 229 | 2.8 | 34.2 |
| ven/23/09/2022 22:50 | 1.2 | 234 | 2.8 | 34.4 |
| ven/23/09/2022 22:20 | 1.3 | 221 | 3.0 | 27.4 |
| ven/23/09/2022 22:10 | 1.4 | 251 | 3.1 | 28.1 |
| ven/23/09/2022 23:00 | 2.3 | 257 | 4.6 | 31.2 |
| ven/23/09/2022 23:10 | 2.6 | 253 | 4.9 | 34.8 |
| ven/23/09/2022 23:20 | 2.9 | 235 | 5.4 | 37.2 |
| ven/23/09/2022 23:40 | 4.2 | 245 | 7.2 | 35.1 |
| ven/23/09/2022 23:30 | 4.6 | 235 | 7.8 | 45.8 |
| ven/23/09/2022 23:50 | 4.9 | 240 | 8.2 | 34.0 |
| sab/24/09/2022 00:30 | 5.1 | 247 | 8.3 | 35.5 |
| ven/23/09/2022 22:40 | 0.9 | 216 | 2.3 | 32.4 |
| ven/23/09/2022 22:30 | 1.1 | 229 | 2.8 | 34.2 |
| ven/23/09/2022 22:50 | 1.2 | 234 | 2.8 | 34.4 |
| ven/23/09/2022 22:20 | 1.3 | 221 | 3.0 | 27.4 |
| ven/23/09/2022 22:10 | 1.4 | 251 | 3.1 | 28.1 |
| ven/23/09/2022 23:00 | 2.3 | 257 | 4.6 | 31.2 |
| ven/23/09/2022 23:10 | 2.6 | 253 | 4.9 | 34.8 |
| ven/23/09/2022 23:20 | 2.9 | 235 | 5.4 | 37.2 |
| ven/23/09/2022 23:40 | 4.2 | 245 | 7.2 | 35.1 |
| ven/23/09/2022 23:30 | 4.6 | 235 | 7.8 | 45.8 |
| ven/23/09/2022 23:50 | 4.9 | 240 | 8.2 | 34.0 |
| sab/24/09/2022 00:30 | 5.1 | 247 | 8.3 | 35.5 |
| ven/23/09/2022 22:40 | 0.9 | 216 | 2.3 | 32.4 |
| ven/23/09/2022 22:30 | 1.1 | 229 | 2.8 | 34.2 |
| ven/23/09/2022 22:50 | 1.2 | 234 | 2.8 | 34.4 |
| ven/23/09/2022 22:20 | 1.3 | 221 | 3.0 | 27.4 |
| ven/23/09/2022 22:10 | 1.4 | 251 | 3.1 | 28.1 |
| ven/23/09/2022 23:00 | 2.3 | 257 | 4.6 | 31.2 |

| DATETIME | Vento all'altezza recettore | | Vento in quota (calcolo) | MISURE | |
|----------------------|-----------------------------|------------------|--------------------------|---------------------|------|
| | Other An Average | Wind Van Average | Rugosità: 0,05 | | |
| Tempo di riferimento | Anem A 10 minuti | Vane A 10 minuti | Altezza Pala: 105 m | Leq dB(A) 10 minuti | |
| Notturmo (22 - 6) | m/s | deg | m/s | dB(A) | |
| ven/23/09/2022 23:10 | 2.6 | 253 | 4.9 | 34.8 | |
| ven/23/09/2022 23:20 | 2.9 | 235 | 5.4 | 37.2 | |
| ven/23/09/2022 23:40 | 4.2 | 245 | 7.2 | 35.1 | |
| ven/23/09/2022 23:30 | 4.6 | 235 | 7.8 | 45.8 | |
| ven/23/09/2022 23:50 | 4.9 | 240 | 8.2 | 34.0 | |
| sab/24/09/2022 00:30 | 5.1 | 247 | 8.3 | 35.5 | |
| MIN | 0.9 | 216 | 2.3 | 27.4 | |
| MAX | 5.1 | 257 | 8.3 | 45.8 | |
| MEDIANA | 2.4 | 238 | 4.7 | 34.3 | |
| MEDIA | 2.7 | 239 | 5.0 | 34.2 | |
| MODA | #N/D | 235 | #N/D | #N/D | |
| | | | | Leq | 34.7 |



VENTOSITA' RILEVATA

| CLASSI DI VENTO(m/s) | Numerosità alla sorgente (h = 105 m) | Numerosità al ricettore (h = 4 m) | Leq_i (dB(A)) / Classe di vento al ricettore |
|-----------------------------|---|--|---|
| 0,5-1,4 | 0 | 5 | 25.2 |
| 1,5-2,4 | 1 | 1 | 31.2 |
| 2,5-3,4 | 4 | 2 | 33.2 |
| 3,5-4,4 | 0 | 1 | 35.1 |
| 4,5-5,4 | 3 | 7 | 32.4 |
| 5,5-6,4 | 0 | 16 | 29.3 |
| 6,5-7,4 | 1 | 21 | 27.3 |
| 7,5-8,4 | 3 | 18 | 30.0 |
| 8,5-9,4 | 9 | 7 | 39.2 |
| 9,5-10,4 | 15 | 6 | 36.6 |
| 10,5-11,4 | 21 | 5 | 37.1 |
| 11,5-12,4 | 13 | 2 | 40.0 |
| 12,5-13,4 | 6 | 1 | 49.9 |
| 13,5-14,4 | 6 | 0 | - |
| 14,5-15,4 | 2 | 0 | - |
| 15,5-16,4 | 6 | 0 | - |
| 16,5-17,4 | 0 | 0 | - |
| 17,5-18,4 | 1 | 0 | - |
| 18,5-19,4 | 0 | 0 | - |
| 19,5-20,4 | 0 | 0 | - |
| 20,5-21,4 | 0 | 0 | - |
| 21,5-22,4 | 0 | 0 | - |
| 22,5-23,4 | 0 | 0 | - |
| 23,5-24,4 | 0 | 0 | - |
| 24,5-25,4 | 0 | 0 | - |





CENTRO DI TARATURA LAT N° 185
Calibration Centre
Laboratorio Accreditato di Taratura

Sonora S.r.l.
 Servizi di Ingegneria Acustica
 Via del Bersaglieri, 9 - Caserta
 Tel 0823 351196 - Fax 0823 351196
 www.sonorasrl.com - sonora@sonorasrl.com



LAT N°185

Membro degli Accordi di Mutuo Riconoscimento EA, IAF ed ILAC

Signatory of EA, IAF and ILAC Mutual Recognition Agreements

CERTIFICATO DI TARATURA LAT 185/9234
Certificate of Calibration

Pagina 1 di 11
 Page 1 of 11

- Data di Emissione: **2020/01/23**
date of issue
- cliente **A.Ri.A. S.r.l.**
customer
Via Castello, 102
81039 - Villa Literno (CE)
- destinatario **A.Ri.A. S.r.l.**
addressee
Via Castello, 102
81039 - Villa Literno (CE)
- richiesta **39/20**
application
- in data **2020/01/17**
date
- Si riferisce a:
Referring to
- oggetto **Fonometro**
item
- costruttore **01 dB**
manufacturer
- modello **Solo**
model
- matricola **11513**
serial number
- data delle misure **2020/01/23**
date of measurements
- registro di laboratorio -
laboratory reference

Il presente certificato di taratura è emesso in base all'accreditamento LAT N. 185 rilasciato in accordo ai decreti attuativi della legge n. 273/1991 che ha istituito il Sistema Nazionale di Taratura (SNT). ACCREDIA attesta le capacità di misura e di taratura, le competenze metrologiche del Centro e la riferibilità delle tarature eseguite ai campioni nazionali ed internazionali delle unità di misura del Sistema Internazionale delle Unità (SI).
 Questo certificato non può essere riprodotto in modo parziale, salvo espressa autorizzazione scritta da parte del Centro.

*This certificate of calibration is issued in compliance with the accreditation LAT No. 185 granted according to decrees connected with Italian Law No. 273/1991 which has established the National Calibration System. ACCREDIA attests the calibration and measurement capability, the metrological competence of the Centre and the traceability of calibration results to the national and international standards of the International System of Units (SI).
 This certificate may not be partially reproduced, except with the prior written permission of the issuing Centre.*

I risultati di misura riportati nel presente Certificato sono stati ottenuti applicando le procedure citate alla pagina seguente, dove sono specificati anche i Campioni di Riferimento da cui inizia la catena di riferibilità del Centro ed i rispettivi certificati di taratura in corso di validità. Essi si riferiscono esclusivamente all'oggetto in taratura e sono validi nel momento e nelle condizioni di taratura, salvo diversamente specificato.

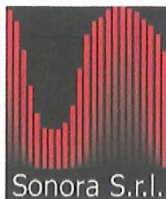
The measurement results reported in this Certificate were obtained following the procedures given in the following page, where the reference standards or instruments are indicated which guarantee the traceability chain of the laboratory, and the related calibration certificates in the course of validity are indicated as well. They relate only to the calibrated item and they are valid for the time and conditions of calibration, unless otherwise specified.

Le incertezze di misura dichiarate in questo documento sono state determinate conformemente alla Guida ISO/IEC 98 e al documento EA-4/02. Solitamente sono espresse come incertezza estesa ottenuta moltiplicando l'incertezza tipo per il fattore di copertura k corrispondente al livello di fiducia di circa il 95%. Normalmente tale fattore vale 2.

The measurement uncertainties stated in this document have been determined according to the ISO/IEC Guide 98 and to EA-4/02. Usually, they have been estimated as expanded uncertainty obtained multiplying the standard uncertainty by the coverage factor k corresponding to a confidence level of about 95%. Normally, this factor k is 2.

Il Responsabile del Centro
 Head of the Centre


 Ing. Ernesto MONACO



CENTRO DI TARATURA LAT N° 185

Calibration Centre

Laboratorio Accreditato di Taratura

Sonora S.r.l.

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LAT N°185

Membro degli Accordi di Mutuo Riconoscimento EA, IAF ed ILAC

Signatory of EA, IAF and ILAC Mutual Recognition Agreements

CERTIFICATO DI TARATURA LAT 185/9233

Certificate of Calibration

Pagina 1 di 5

Page 1 of 5

- Data di Emissione: **2020/01/23**
date of issue

- cliente **A.Ri.A. S.r.l.**
customer
Via Castello, 102
81039 - Villa Literno (CE)

- destinatario **A.Ri.A. S.r.l.**
addressee
Via Castello, 102
81039 - Villa Literno (CE)

- richiesta **39/20**
application

- in data **2020/01/17**
date

- **Si riferisce a:**
Referring to

- oggetto **Calibratore**
Item

- costruttore **01dB**
manufacturer

- modello **CAL21**
model

- matricola **51031206**
serial number

- data delle misure **2020/01/23**
date of measurements

- registro di laboratorio -
laboratory reference

Il presente certificato di taratura è emesso in base all'accreditamento LAT N. 185 rilasciato in accordo ai decreti attuativi della legge n. 273/1991 che ha istituito il Sistema Nazionale di Taratura (SNT). ACCREDIA attesta le capacità di misura e di taratura, le competenze metrologiche del Centro e la riferibilità delle tarature eseguite ai campioni nazionali ed internazionali delle unità di misura del Sistema Internazionale delle Unità (SI).

Questo certificato non può essere riprodotto in modo parziale, salvo espressa autorizzazione scritta da parte del Centro.

This certificate of calibration is issued in compliance with the accreditation LAT No. 185 granted according to decrees connected with Italian Law No. 273/1991 which has established the National Calibration System. ACCREDIA attests the calibration and measurement capability, the metrological competence of the Centre and the traceability of calibration results to the national and international standards of the International System of Units (SI).

This certificate may not be partially reproduced, except with the prior written permission of the issuing Centre.

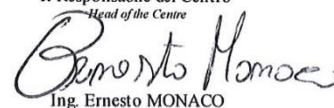
I risultati di misura riportati nel presente Certificato sono stati ottenuti applicando le procedure citate alla pagina seguente, dove sono specificati anche i Campioni di Riferimento da cui inizia la catena di riferibilità del Centro ed i rispettivi certificati di taratura in corso di validità. Essi si riferiscono esclusivamente all'oggetto in taratura e sono validi nel momento e nelle condizioni di taratura, salvo diversamente specificato.

The measurement results reported in this Certificate were obtained following the procedures given in the following page, where the reference standards or instruments are indicated which guarantee the traceability chain of the laboratory, and the related calibration certificates in the course of validity are indicated as well. They relate only to the calibrated item and they are valid for the time and conditions of calibration, unless otherwise specified.

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Il Responsabile del Centro
Head of the Centre


Ing. Ernesto MONACO