

Environmental Noise Monitoring at: Lower Vickers Street, Manchester, M40 7LX, 21730vf



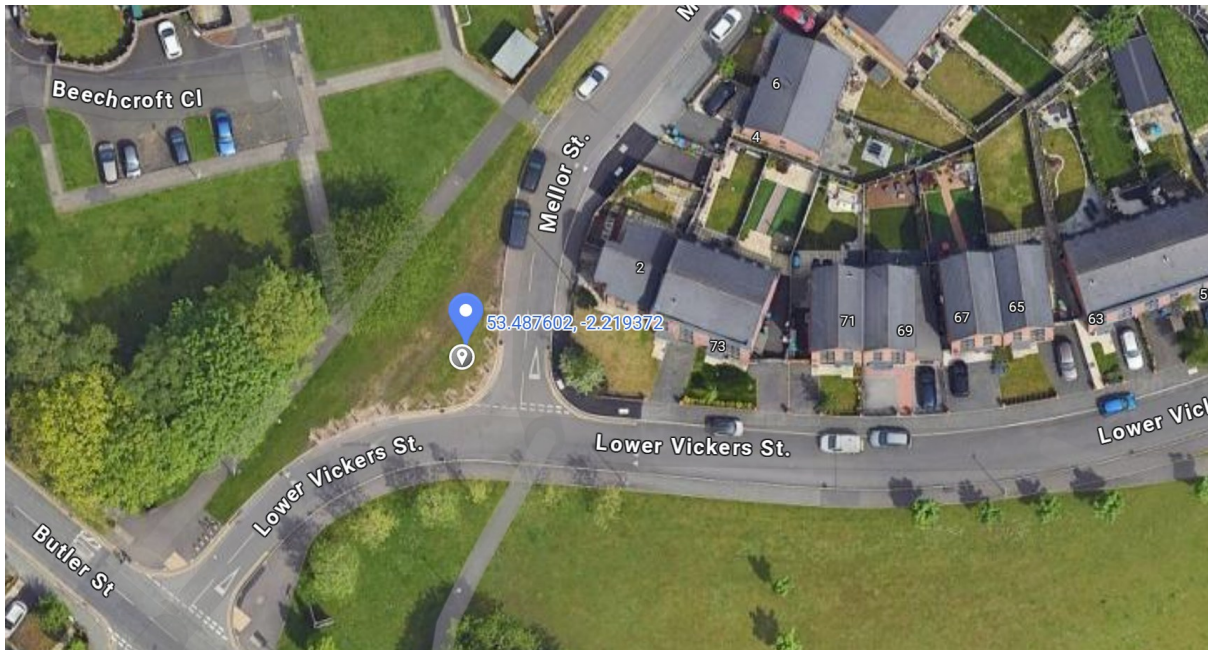
Site Details;

Lower Vickers Street, just off Mellor Street

Manchester

M40 7LX

Mitie Ref: 21730vf

**Summary and findings of noise monitoring survey:**

Survey Solutions have been instructed by Mitie to conduct noise monitoring at the above location, to measure for noise levels emitted by the telecom mast and associated parts. Observations were made on site that there is an acoustic barrier around the mast and generator/power unit. The recorded noise is not deemed excessive nor a nuisance falling well under 80dB average (deemed a nuisance if exceeded) at an average of 53db, with peak noise recordings not exceeding the nuisance threshold and not being able to be linked to the mast itself.

The noise measurement device recorded at an interval of every 5 minutes, providing an average and peak dB reading. Throughout the survey period dated 22nd February 2025 and 1st March 2025, the results conclude that there are higher noise levels through the working day hours (likely local traffic etc) and this value reduces throughout the quieter night periods, and no out of ordinary events have been recorded, indicating that the mast and associated parts are not emitting any noise of nuisance or outside of trend.

Surveying methodology and BS adherence:

Noise meter fixed at 2m above ground level 2m from the acoustic barrier, and 6m from noise producing item. The noise monitor could not be fixed at a further distance due to site limitations.

BS4142: 1997 – “Method for rating industrial noise affecting mixed residential and industrial areas” [British Standards Institution]

BS 4142:1997 provides a method of rating industrial noise affecting mixed residential and industrial areas. It was first published in 1967 and has been extensively used by local authorities and consultants to rate noise from fixed installations. The standard was considerably revised in 1990, clarified in 1997, and advocates the use of LAeq, T - a level, which is directly measurable and termed the Specific Noise Level. Daytime measurement periods are defined in BS4142:1997[1] as being between 07:00 and 23:00 hours, with night-time periods being between 23:00 and 07:00.

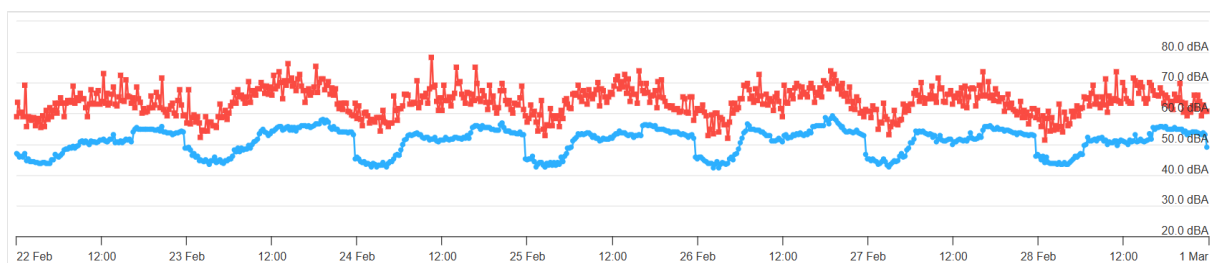
The noise monitoring sensor was installed approx. 18.5m from the closest residential property (no.2).

22nd February – 1st March 2025

Project Overview:

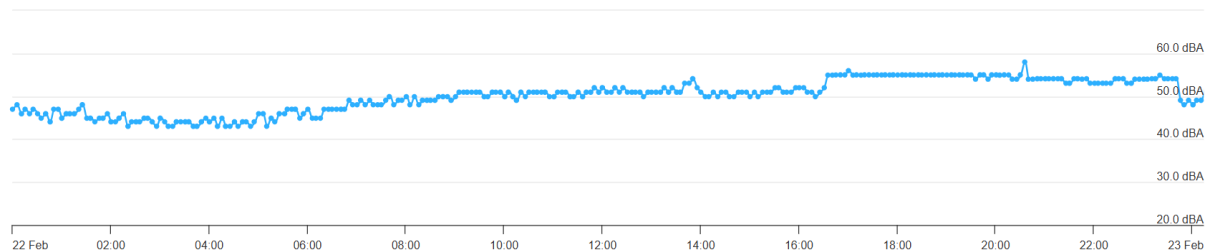
One noise monitoring unit has been installed on the telecom mast to measure noise levels over a 7x day period at a 5-minute cadence. The LAFmax and the LAF average have been presented on a daily basis within this report.

Sensor 43 - Overview

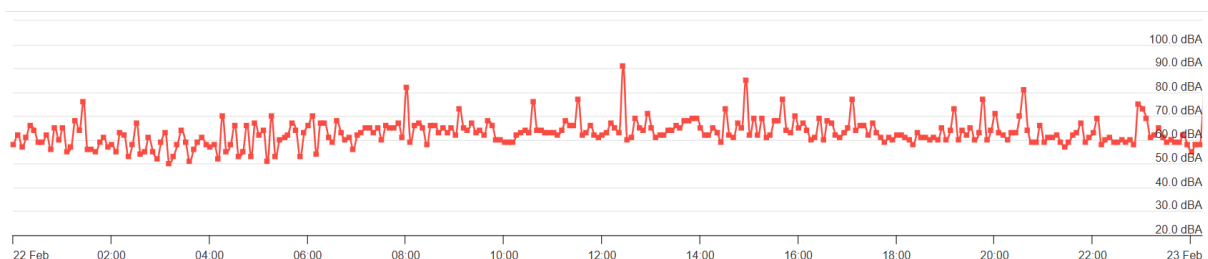


Comments: Throughout the noise survey no peak noise level exceeded over 80dB. The blue line on the graph shows the average noise level during the survey and the red line indicates the maximum noise level recorded. The sensor had a polling time of 5 minutes.

Sensor 43 – 22nd February



Comments: On the 22nd of February the average noise level did not exceed 80dB. The largest reading was at 20:36, measuring 58dB. During the early hours of the morning noise levels were averaging around 44dB. They then increased from 6:00 onwards to an average of 49dB. At 16:30 noise levels jumped to 55dB until midnight when they returned to 50dB.

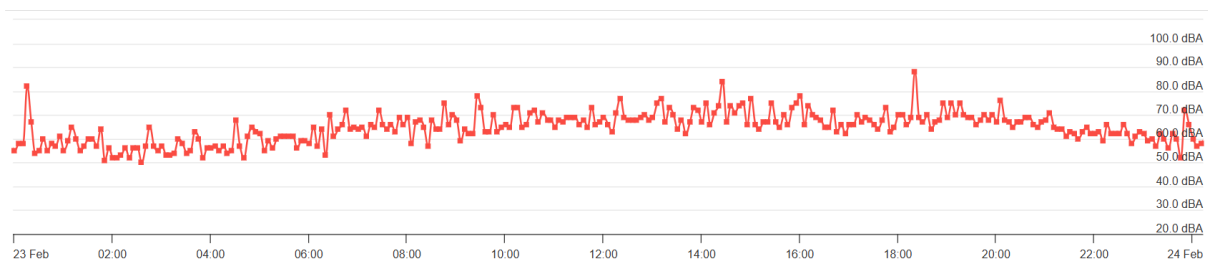


Comments: This graph shows the maximum noise level recording within a 5-minute period. Peaks range, on average, between 50dB and 80dB with few exceptions. There was a peak of 82dB at 8:01 and another at 12:26 measuring 91dB. The following peak of 85dB was recorded at 14:56 and the final peak of 81dB was recorded at 20:36.

Sensor 43 – 23rd February

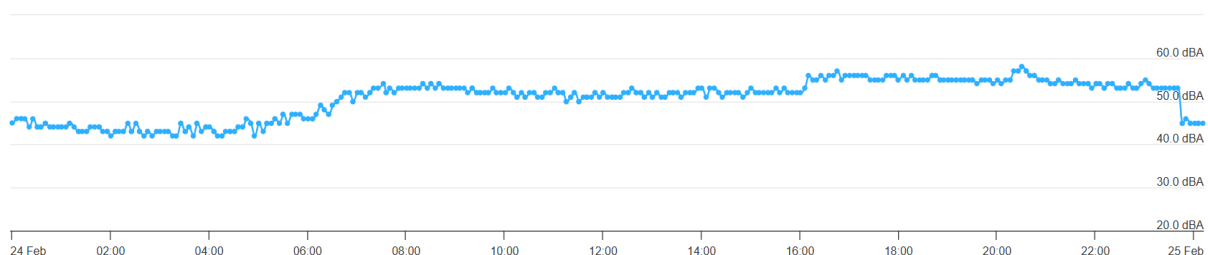


Comments: On the 23rd of February the average noise level did not exceed 80dB. The largest reading was at 19:11, measuring 59dB. During the early hours of the morning noise levels were averaging around 45dB. They then increased from 6:00 until 10:30 when the leveled out at 55dB. The noise levels continued averaging around 55dB and 59dB into the evening.



This graph shows the maximum noise level recording within a 5-minute period. Peaks range, on average, between 50dB and 80dB with few exceptions. There was a peak of 82dB at 00:16 with the next peak over 80dB not coming until 14:26, recording 84dB. The final peak was at 18:21, measuring 88dB, the largest peak of the day.

Sensor 43 – 24th February

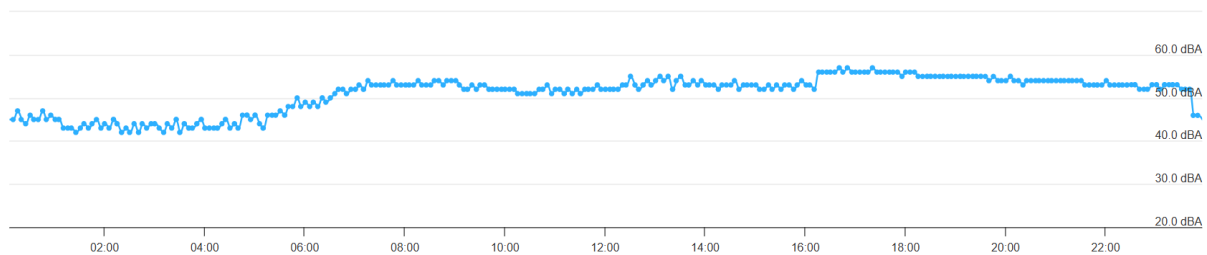


Comments: On the 24th of February the average noise level did not exceed 80dB. The largest reading was at 20:30, measuring 58dB. During the early hours of the morning noise levels were averaging around 42dB. They then increased from 6:00 until 8:45 when the noise levels then rose to 53dB. The noise levels continued averaging around 53dB to 58dB into the evening.



Comments: This graph shows the maximum noise level recording within a 5-minute period. Peaks range, on average, between 50dB and 80dB with few exceptions. The first peak over 80dB was recorded at 8:31, measuring 85dB. Another peak of 82dB was recorded at 10:41. At 14:11 there was a peak in noise level of 85dB. The largest peak of the day was at 16:46, measuring 94dB.

Sensor 43 – 25th February

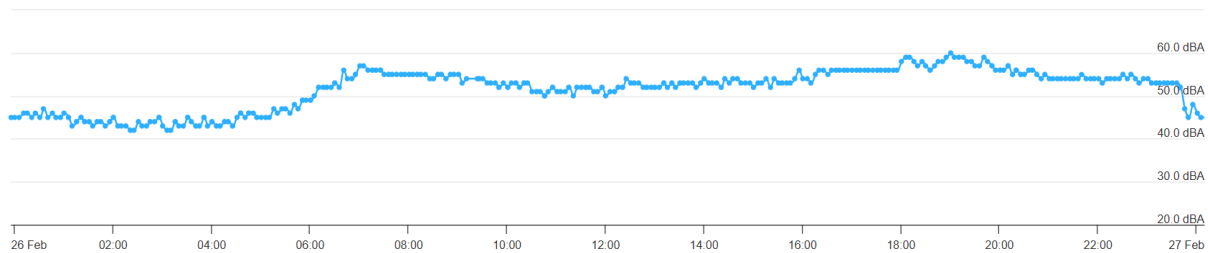


Comments: On the 25th of February the average noise level did not exceed 80dB. The largest reading was at 16:41, 16:51 and 17:21, measuring 57dB. During the early hours of the morning noise levels were averaging around 44dB. They then increased from 5:30 until 7:30 when the noise levels then rose to 53dB. The noise levels continued to be around 53dB. Noise levels experienced a minor increase at 16:16 to 56dB where they continued with minor discrepancies until 18:00 when they gradually decreased to 53dB over the next few hours.

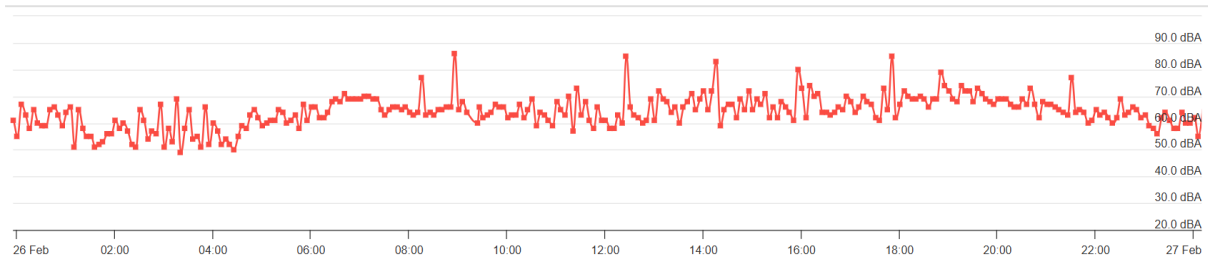


Comments: This graph shows the maximum noise level recording within a 5-minute period. Peaks range, on average, between 50dB and 80dB with no exceptions.

Sensor 43 – 26th February

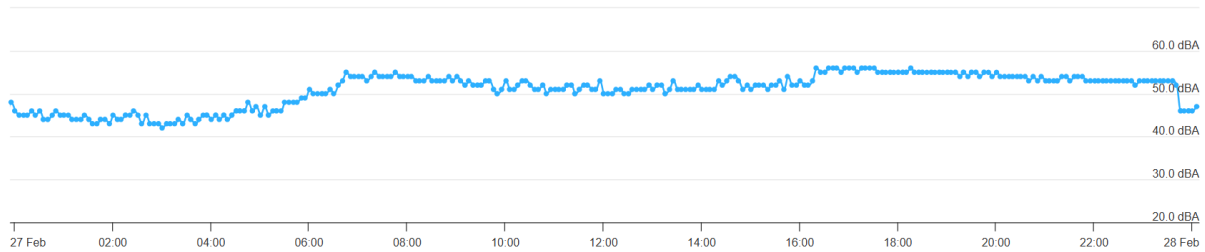


Comments: On the 26th of February the average noise level did not exceed 80dB. The largest reading was at 19:01, measuring 60dB. During the early hours of the morning noise levels were averaging around 42dB. They then increased from 5:00 until 7:00 when the noise levels then rose to 56dB. The noise levels continued to be around 56dB for a few hours until they dropped slightly to average around 51dB by midday. By 16:00 noise levels rose again to 56dB and rose again to around 59dB after 18:00. Noise levels dropped down again to 53dB after 21:00.



Comments: This graph shows the maximum noise level recording within a 5-minute period. Peaks range, on average, between 50dB and 80dB with a few exceptions. The first and largest peak of the day was at 8:56, measuring 86dB. A peak of 85dB was recorded at 12:26, this was followed by a peak of 83dB at 14:16. The final peak of 80dB of the day was recorded at 17:51, measuring 85dB.

Sensor 43 – 27th February

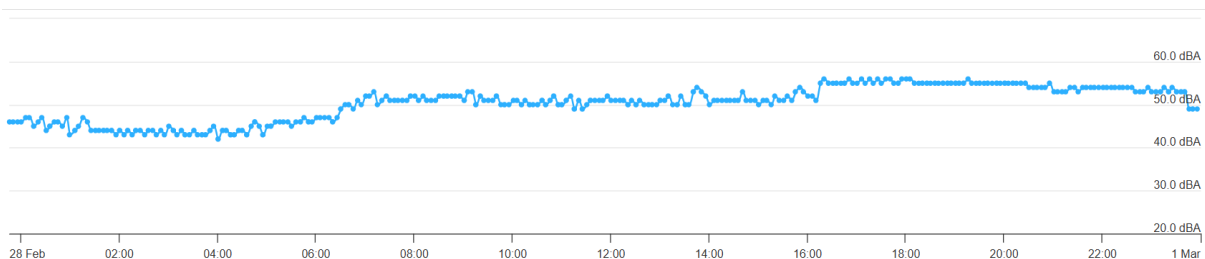


Comments: On the 27th of February the average noise level did not exceed 80dB. The largest reading was at 16:21, measuring 56dB. During the early hours of the morning noise levels were averaging around 44dB. They then increased from 5:00 until 7:00 when the noise levels then rose to 54dB. The noise levels continued to be around 54dB for a few hours until they dropped slightly to average around 51dB by midday. By 16:00 noise levels rose again to 55dB. Noise levels dropped again to 53dB after 22:00.



Comments: This graph shows the maximum noise level recording within a 5-minute period. Peaks range, on average, between 50dB and 80dB with no exceptions.

Sensor 43 – 28th February



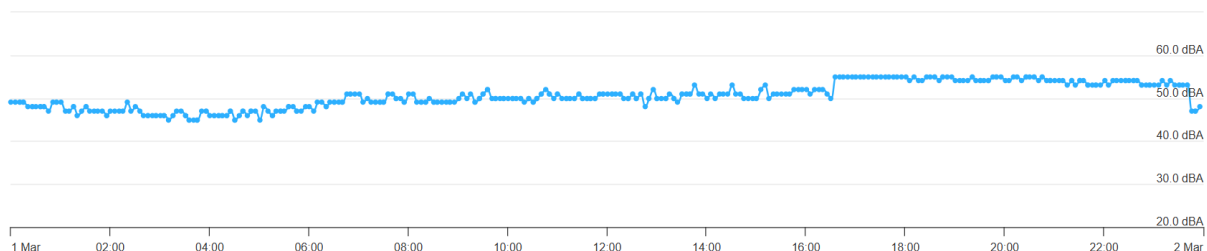
Comments: On the 28th of February the average noise level did not exceed 80dB. The largest reading was between 16:00 and 18:00 with several different readings of 56dB. During the early hours of the morning noise levels were averaging around 44dB. They then increased from 5:00 until 7:00 when the noise levels then rose to 52dB. The noise levels continued to be around 52dB

for most of the day. At 16:00 noise levels rose to 55dB and remained that level into the evening.



Comments: This graph shows the maximum noise level recording within a 5-minute period. Peaks range, on average, between 50dB and 80dB with two exceptions. The first peak over 80dB was at 7:56, recording 81dB. The second peak, which was the largest of the day, was recorded at 11:11, measuring 91dB.

Sensor 43 – 1st March



Comments: On the 1st of March the average noise level did not exceed 80dB. The largest reading was between 16:30 and 19:00 with several different readings of 55dB. During the early hours of the morning noise levels were averaging around 46dB. They then increased from 5:00 until 7:00 when the noise levels then rose to 51dB. The noise levels continued to be around 51dB

for most of the day. At 16:30 noise levels rose to 55dB and remained at that level into the evening.



Comments: This graph shows the maximum noise level recording within a 5-minute period. Peaks range, on average, between 50dB and 80dB with a few exceptions. The first peak of 80dB was also the largest peak of the day. The peak was recorded at 10:46, recording 94dB. Five minutes later a peak of 87db was recorded. The next peak recorded was at 13:46, recording 86dB. The final peak of the day measured at 81dB and was recorded in the evening at 20:46.