



# **Norwich Western Link**

## **Environmental Statement**

### **Chapter 7: Noise and Vibration**

#### **Appendix 7.4: Noise survey details**

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# 1 Equipment details

1.1.1 Table 1.1 presents the details of the equipment used for the noise survey.

**Table 1.1 – Noise survey equipment details**

<b>Measurement Position</b>	<b>Equipment Description</b>	<b>Serial Number</b>
MP1L	01 dB CUBE 'Integrating-Averaging Sound Level Meter'	10748
MP1L	Acoem PRE 22 Preamplifier	11102
MP1L	GRAS Type 40CD Condenser Microphone	224197
MP1L	01dB-Stell Cal 21	35054825
MP2L	01dB-Stell Duo 'Datalogging Integrating Sound Level Meter'	10636
MP2L	01dB-Stell PRE 21 S Preamplifier	10183
MP2L	G.R.A.S Type 40CD Condenser Microphone	162036
MP2L	01dB Cal 21	34924015
MP3L	01dB-Stell Duo 'Datalogging Integrating Sound Level Meter'	10617
MP3L	01dB-Stell PRE 21 S Preamplifier	10324
MP3L	G.R.A.S Type 40CD Condenser Microphone	162071
MP3L	01dB Cal 21	34924010
MP1A	01dB-METRAVIB Blue Solo 'Datalogging Integrating Sound Level Meter'	60531
MP1A	01dB-MATRAVIB PRE 21 S Preamplifier	16422
MP1A	Microtech Gefell GmbH MCE212 Condenser Microphone	333438



<b>Measurement Position</b>	<b>Equipment Description</b>	<b>Serial Number</b>
MP1A	01dB-Stell Cal 21	34634224
MP2A	01dB-METRAVIB Blue Solo 'Datalogging Integrating Sound Level Meter'	60531
MP2A	01dB-MATRAVIB PRE 21 S Preamplifier	16422
MP2A	Microtech Gefell GmbH MCE212 Condenser Microphone	333438
MP2A	01dB-Stell Cal 21	1558662

1.1.2 Each meter had been calibrated by a UKAS accredited laboratory within the previous 24 months. The equipment was also field calibrated at the commencement and conclusion of the survey using the above calibrators, which had themselves been calibrated by a UKAS accredited laboratory within the previous 12 months. No significant drift in the calibration signal was noted.



## 2 Noise survey photographs

2.1.1 The following site photographs show the noise monitors as installed on site at each position.

**Figure 2.1 – Site photograph of noise monitor at MP1**





**Figure 2.2 – Site photograph of noise monitor at MP2**





**Figure 2.3 – Site photograph of noise monitor at MP3**





**Figure 2.4 – Site photograph of noise monitor at MP4**







**Figure 2.5 – Site photograph of noise monitor at MP5**





### 3 Noise survey results

Table 3.1 – Full survey data from MP1

Period start	Average equivalent level, dB LAeq,1hr	dB LA90,1hr	dB LA10,1hr
02/07/21 12:00	49.2	42.2	52.1
02/07/21 13:00	50.6	43.5	54.1
02/07/21 14:00	49.2	41.1	52.2
02/07/21 15:00	48.2	39.8	50.7
02/07/21 16:00	47.8	40.5	49.9
02/07/21 17:00	46.7	38.1	48.8
02/07/21 18:00	44.7	37.6	46.2
02/07/21 19:00	45.2	37.8	46.0
02/07/21 20:00	45.8	32.6	44.6
02/07/21 21:00	33.2	30.3	34.5
02/07/21 22:00	32.8	31.1	34.1
02/07/21 23:00	33.9	29.4	34.2
03/07/21 00:00	31.1	27.2	33.1
03/07/21 01:00	32.4	27.5	34.1
03/07/21 02:00	30.1	26.1	32.4
03/07/21 03:00	29.5	23.7	30.5
03/07/21 04:00	40.6	26.3	41.4
03/07/21 05:00	45.7	33.5	49.2
03/07/21 06:00	47.1	37.8	51.1
03/07/21 07:00	46.9	38.4	50.7
03/07/21 08:00	54.9	44.0	58.0
03/07/21 09:00	51.0	42.5	53.7
03/07/21 10:00	50.3	44.7	52.9
03/07/21 11:00	51.6	44.7	54.0
03/07/21 12:00	51.2	39.8	51.2



<b>Period start</b>	<b>Average equivalent level, dB LAeq,1hr</b>	<b>dB LA90,1hr</b>	<b>dB LA10,1hr</b>
03/07/21 13:00	48.6	38.9	48.3
03/07/21 14:00	48.8	38.1	49.7
03/07/21 15:00	46.5	36.7	47.7
03/07/21 16:00	43.9	34.3	46.6
03/07/21 17:00	41.4	32.5	44.3
03/07/21 18:00	54.2	39.4	55.1
03/07/21 19:00	40.5	32.0	43.4
03/07/21 20:00	36.1	28.3	36.9
03/07/21 21:00	40.8	25.6	37.8
03/07/21 22:00	30.5	26.8	31.7
03/07/21 23:00	30.2	26.0	32.3
04/07/21 00:00	31.2	24.4	32.4
04/07/21 01:00	25.0	21.5	26.7
04/07/21 02:00	24.4	21.6	26.4
04/07/21 03:00	32.1	20.9	30.1
04/07/21 04:00	41.5	25.7	44.2
04/07/21 05:00	44.3	33.3	47.3
04/07/21 06:00	45.3	36.7	48.2
04/07/21 07:00	45.8	37.0	47.5
04/07/21 08:00	45.4	37.2	47.7
04/07/21 09:00	44.9	38.0	47.4
04/07/21 10:00	48.8	43.9	50.6
04/07/21 11:00	49.4	43.3	51.3
04/07/21 12:00	47.9	39.8	50.1
04/07/21 13:00	46.1	39.2	47.4
04/07/21 14:00	50.5	41.8	52.1
04/07/21 15:00	48.0	39.4	50.8
04/07/21 16:00	46.3	37.1	48.5



<b>Period start</b>	<b>Average equivalent level, dB LAeq,1hr</b>	<b>dB LA90,1hr</b>	<b>dB LA10,1hr</b>
04/07/21 17:00	45.4	36.1	48.7
04/07/21 18:00	46.5	37.1	47.3
04/07/21 19:00	43.0	34.6	46.2
04/07/21 20:00	39.9	33.4	43.0
04/07/21 21:00	36.8	29.6	39.3
04/07/21 22:00	33.7	28.0	35.5
04/07/21 23:00	34.4	27.2	37.0
05/07/21 00:00	33.0	26.3	34.8
05/07/21 01:00	32.7	25.6	34.8
05/07/21 02:00	30.9	24.2	31.4
05/07/21 03:00	31.6	25.2	33.9
05/07/21 04:00	40.4	28.0	42.9
05/07/21 05:00	44.5	34.1	47.6
05/07/21 06:00	42.7	35.5	45.6
05/07/21 07:00	45.9	38.2	47.6
05/07/21 08:00	46.5	38.3	49.5
05/07/21 09:00	46.5	39.7	49.4
05/07/21 10:00	46.4	39.8	49.1
05/07/21 11:00	45.5	38.8	48.5
05/07/21 12:00	47.9	41.2	51.0
05/07/21 13:00	48.3	41.7	51.0
05/07/21 14:00	46.7	37.3	49.6
05/07/21 15:00	44.2	32.4	47.2
05/07/21 16:00	43.9	34.2	47.2
05/07/21 17:00	43.6	35.2	46.7
05/07/21 18:00	66.1	38.6	63.9
05/07/21 19:00	61.3	34.6	62.6
05/07/21 20:00	40.3	29.5	43.0



<b>Period start</b>	<b>Average equivalent level, dB LAeq,1hr</b>	<b>dB LA90,1hr</b>	<b>dB LA10,1hr</b>
05/07/21 21:00	37.9	31.1	40.2
05/07/21 22:00	45.2	34.2	46.7
05/07/21 23:00	41.9	34.5	43.3
06/07/21 00:00	48.6	39.1	53.5
06/07/21 01:00	54.3	49.2	57.0
06/07/21 02:00	42.5	31.2	46.1
06/07/21 03:00	35.9	30.5	38.9
06/07/21 04:00	39.3	30.1	42.2
06/07/21 05:00	42.9	35.1	45.9
06/07/21 06:00	46.7	39.2	48.6
06/07/21 07:00	47.1	40.9	50.0
06/07/21 08:00	50.2	44.4	53.2
06/07/21 09:00	48.7	43.8	51.3
06/07/21 10:00	49.3	44.4	51.8
06/07/21 11:00	48.8	41.8	51.6
06/07/21 12:00	60.1	42.7	58.7
06/07/21 13:00	51.0	42.5	53.8
06/07/21 14:00	48.4	41.9	51.5
06/07/21 15:00	46.6	38.9	49.6
06/07/21 16:00	51.6	40.2	55.5
06/07/21 17:00	45.9	36.6	48.0
06/07/21 18:00	42.7	34.5	46.0
06/07/21 19:00	45.7	35.6	49.7
06/07/21 20:00	40.7	32.6	43.6
06/07/21 21:00	35.7	30.0	38.1
06/07/21 22:00	33.4	29.3	34.6
06/07/21 23:00	34.4	29.5	36.4
07/07/21 00:00	34.8	28.2	35.8



<b>Period start</b>	<b>Average equivalent level, dB LAeq,1hr</b>	<b>dB LA90,1hr</b>	<b>dB LA10,1hr</b>
07/07/21 01:00	33.0	28.3	35.4
07/07/21 02:00	32.6	27.7	34.9
07/07/21 03:00	34.5	29.2	36.9
07/07/21 04:00	39.9	30.4	42.3
07/07/21 05:00	42.6	36.0	45.3
07/07/21 06:00	50.6	38.7	50.5
07/07/21 07:00	47.8	42.4	50.4
07/07/21 08:00	47.8	41.0	50.5
07/07/21 09:00	62.3	41.4	60.1
07/07/21 10:00	49.9	43.9	52.3
07/07/21 11:00	47.0	42.1	49.5
07/07/21 12:00	47.0	41.1	49.2
07/07/21 13:00	49.1	36.2	49.4
07/07/21 14:00	46.5	37.1	50.0
07/07/21 15:00	45.4	36.4	48.3
07/07/21 16:00	46.6	36.3	48.0
07/07/21 17:00	45.8	36.8	48.0
07/07/21 18:00	42.9	34.2	46.0
07/07/21 19:00	42.3	31.1	44.9
07/07/21 20:00	36.5	28.5	38.7
07/07/21 21:00	32.6	27.7	32.7
07/07/21 22:00	31.6	27.1	33.1
07/07/21 23:00	34.1	26.8	32.8
08/07/21 00:00	29.4	25.9	31.0
08/07/21 01:00	27.5	22.9	29.0
08/07/21 02:00	28.1	24.7	30.1
08/07/21 03:00	32.5	24.7	33.1
08/07/21 04:00	37.1	28.6	39.2



Period start	Average equivalent level, dB LAeq,1hr	dB LA90,1hr	dB LA10,1hr
08/07/21 05:00	46.5	35.1	47.5
08/07/21 06:00	45.8	37.2	46.6
08/07/21 07:00	46.3	37.1	48.6
08/07/21 08:00	46.4	39.5	48.6
08/07/21 09:00	46.6	39.8	49.6
08/07/21 10:00	46.2	39.3	48.5

**Table 3.2 – Full survey data from MP2**

Period start	Average equivalent level, dB LAeq,1hr	dB LA90,1hr	dB LA10,1hr
22/09/2021 14:00	46.2	33.4	46.0
22/09/2021 15:00	44.8	32.7	46.1
22/09/2021 16:00	47.9	34.0	51.1
22/09/2021 17:00	51.4	35.3	54.2
22/09/2021 18:00	47.4	30.9	49.6
22/09/2021 19:00	44.7	29.2	47.3
22/09/2021 20:00	40.6	26.9	39.8
22/09/2021 21:00	42.2	25.5	32.9
22/09/2021 22:00	39.1	24.0	32.5
22/09/2021 23:00	33.8	23.3	28.3
23/09/2021 00:00	32.9	22.8	27.8
23/09/2021 01:00	30.3	22.3	27.1
23/09/2021 02:00	34.4	22.1	29.1
23/09/2021 03:00	32.6	24.4	29.6
23/09/2021 04:00	32.8	24.5	34.3
23/09/2021 05:00	40.4	31.6	40.3
23/09/2021 06:00	44.2	35.7	42.8



<b>Period start</b>	<b>Average equivalent level, dB LAeq,1hr</b>	<b>dB LA90,1hr</b>	<b>dB LA10,1hr</b>
23/09/2021 07:00	48.8	37.7	49.5
23/09/2021 08:00	48.6	39.1	52.2
23/09/2021 09:00	48.0	39.5	50.7
23/09/2021 10:00	47.3	39.0	49.0
23/09/2021 11:00	50.3	40.5	53.9
23/09/2021 12:00	51.6	44.1	54.1
23/09/2021 13:00	52.3	41.8	53.1
23/09/2021 14:00	51.7	42.2	52.7
23/09/2021 15:00	51.2	38.9	52.1
23/09/2021 16:00	51.2	39.2	52.3
23/09/2021 17:00	50.7	35.2	52.0
23/09/2021 18:00	51.2	31.0	49.4
23/09/2021 19:00	51.4	29.5	50.6
23/09/2021 20:00	49.6	24.3	42.9
23/09/2021 21:00	38.9	24.3	36.0
23/09/2021 22:00	38.0	23.8	36.1
23/09/2021 23:00	34.0	20.3	26.6
24/09/2021 00:00	32.7	19.4	23.6
24/09/2021 01:00	34.2	19.2	22.8
24/09/2021 02:00	31.5	19.3	22.8
24/09/2021 03:00	34.2	20.3	26.4
24/09/2021 04:00	30.3	21.4	27.3
24/09/2021 05:00	35.2	24.7	31.6
24/09/2021 06:00	46.0	29.3	44.8
24/09/2021 07:00	51.5	35.5	52.6
24/09/2021 08:00	51.5	36.6	52.9
24/09/2021 09:00	48.4	37.3	49.1





Period start	Average equivalent level, dB LAeq,1hr	dB LA90,1hr	dB LA10,1hr
24/09/2021 10:00	49.1	36.0	51.5
24/09/2021 11:00	47.6	35.4	46.9
24/09/2021 12:00	50.2	36.8	52.7
24/09/2021 13:00	46.3	35.8	48.7
24/09/2021 14:00	46.6	35.5	48.9
24/09/2021 15:00	46.1	36.1	47.8
24/09/2021 16:00	49.4	34.6	51.6
24/09/2021 17:00	46.5	33.9	48.3
24/09/2021 18:00	44.1	27.8	44.6
24/09/2021 19:00	42.0	25.7	41.5
24/09/2021 20:00	37.6	23.3	29.9
24/09/2021 21:00	36.9	23.9	28.9
24/09/2021 22:00	33.4	23.9	27.4
24/09/2021 23:00	31.5	23.8	27.3
25/09/2021 00:00	30.7	23.1	26.9
25/09/2021 01:00	23.0	21.3	23.9
25/09/2021 02:00	27.3	20.7	25.5
25/09/2021 03:00	22.0	20.3	22.6
25/09/2021 04:00	29.2	20.0	23.9
25/09/2021 05:00	34.1	21.2	28.0
25/09/2021 06:00	42.8	26.7	40.9
25/09/2021 07:00	43.2	29.7	42.8
25/09/2021 08:00	44.5	29.9	47.0
25/09/2021 09:00	45.5	29.1	43.3
25/09/2021 10:00	44.5	30.4	45.9
25/09/2021 11:00	44.7	29.4	46.1
25/09/2021 12:00	44.7	31.0	45.7



<b>Period start</b>	<b>Average equivalent level, dB LAeq,1hr</b>	<b>dB LA90,1hr</b>	<b>dB LA10,1hr</b>
25/09/2021 13:00	43.3	31.5	44.2
25/09/2021 14:00	41.7	31.6	40.8
25/09/2021 15:00	41.8	31.1	43.0
25/09/2021 16:00	43.1	30.4	42.7
25/09/2021 17:00	48.7	29.3	46.9
25/09/2021 18:00	40.6	27.3	37.9
25/09/2021 19:00	39.4	26.4	38.1
25/09/2021 20:00	38.6	24.5	33.4
25/09/2021 21:00	33.3	22.6	28.1
25/09/2021 22:00	36.3	23.4	31.8
25/09/2021 23:00	36.2	22.2	29.9
26/09/2021 00:00	34.1	20.7	29.5
26/09/2021 01:00	25.4	19.7	25.2
26/09/2021 02:00	33.2	19.2	23.2
26/09/2021 03:00	25.0	21.1	26.0
26/09/2021 04:00	27.9	20.3	25.1
26/09/2021 05:00	28.9	20.0	23.7
26/09/2021 06:00	42.3	24.5	42.7
26/09/2021 07:00	39.4	27.6	39.7
26/09/2021 08:00	44.0	30.9	45.0
26/09/2021 09:00	43.4	32.5	44.3
26/09/2021 10:00	43.2	31.9	44.6
26/09/2021 11:00	44.3	31.7	44.9
26/09/2021 12:00	43.2	32.9	44.0
26/09/2021 13:00	44.2	35.0	44.9
26/09/2021 14:00	42.4	34.1	43.9
26/09/2021 15:00	44.2	34.2	45.4



<b>Period start</b>	<b>Average equivalent level, dB LAeq,1hr</b>	<b>dB LA90,1hr</b>	<b>dB LA10,1hr</b>
26/09/2021 16:00	44.8	37.7	47.6
26/09/2021 17:00	43.3	31.6	44.2
26/09/2021 18:00	39.5	28.9	39.0
26/09/2021 19:00	39.9	25.9	36.5
26/09/2021 20:00	37.4	26.9	34.4
26/09/2021 21:00	36.9	29.1	35.8
26/09/2021 22:00	34.0	28.0	33.0
26/09/2021 23:00	34.4	27.8	33.7
27/09/2021 00:00	30.1	26.1	32.5
27/09/2021 01:00	33.9	26.5	32.6
27/09/2021 02:00	30.0	25.6	32.7
27/09/2021 03:00	37.6	31.9	39.9
27/09/2021 04:00	42.1	35.4	45.1
27/09/2021 05:00	44.9	38.3	48.2
27/09/2021 06:00	48.0	41.4	50.8
27/09/2021 07:00	50.4	43.3	53.0
27/09/2021 08:00	52.4	45.6	55.7
27/09/2021 09:00	55.0	47.9	58.3
27/09/2021 10:00	59.0	49.6	61.9
27/09/2021 11:00	52.8	45.3	55.8
27/09/2021 12:00	51.2	43.4	54.5
27/09/2021 13:00	50.8	42.9	54.1
27/09/2021 14:00	50.8	41.9	53.0
27/09/2021 15:00	50.4	38.7	51.1
27/09/2021 16:00	49.8	38.7	52.6
27/09/2021 17:00	46.0	34.9	49.4
27/09/2021 18:00	43.3	31.5	44.0



<b>Period start</b>	<b>Average equivalent level, dB LAeq,1hr</b>	<b>dB LA90,1hr</b>	<b>dB LA10,1hr</b>
27/09/2021 19:00	41.9	28.2	39.8
27/09/2021 20:00	39.5	26.9	35.3
27/09/2021 21:00	37.6	27.0	33.4
27/09/2021 22:00	32.1	25.5	29.6
27/09/2021 23:00	37.7	24.2	30.1
28/09/2021 00:00	34.5	25.3	29.8
28/09/2021 01:00	34.1	26.3	31.7
28/09/2021 02:00	28.6	24.6	30.5
28/09/2021 03:00	25.7	23.8	27.2
28/09/2021 04:00	34.2	25.1	30.4
28/09/2021 05:00	36.2	28.8	33.9
28/09/2021 06:00	44.8	32.2	46.8
28/09/2021 07:00	47.4	36.1	49.0
28/09/2021 08:00	47.8	39.0	51.1
28/09/2021 09:00	44.9	38.1	45.2
28/09/2021 10:00	61.5	37.5	58.8
28/09/2021 11:00	45.7	37.1	48.5
28/09/2021 12:00	49.8	41.6	52.8
28/09/2021 13:00	57.6	43.5	59.5
28/09/2021 14:00	50.3	42.7	53.5
28/09/2021 15:00	50.9	40.9	54.3
28/09/2021 16:00	49.4	41.7	52.8
28/09/2021 17:00	50.3	41.5	54.3
28/09/2021 18:00	49.0	41.1	51.3
28/09/2021 19:00	46.4	40.2	49.2
28/09/2021 20:00	47.0	38.5	50.2
28/09/2021 21:00	45.7	38.2	48.2



<b>Period start</b>	<b>Average equivalent level, dB LAeq,1hr</b>	<b>dB LA90,1hr</b>	<b>dB LA10,1hr</b>
28/09/2021 22:00	46.9	39.3	50.0
28/09/2021 23:00	58.4	44.7	60.2
29/09/2021 00:00	55.6	49.4	57.9
29/09/2021 01:00	50.7	43.4	53.9
29/09/2021 02:00	47.5	40.3	51.1
29/09/2021 03:00	39.2	34.2	41.5
29/09/2021 04:00	36.6	30.8	39.6
29/09/2021 05:00	39.1	32.2	40.3
29/09/2021 06:00	44.4	34.1	43.5
29/09/2021 07:00	48.8	36.8	49.9
29/09/2021 08:00	47.6	37.6	49.7
29/09/2021 09:00	45.9	38.7	47.7
29/09/2021 10:00	50.1	43.1	53.3

**Table 3.3 – Full survey data from MP3**

<b>Period start</b>	<b>Average equivalent level, dB LAeq,1hr</b>	<b>dB LA90,1hr</b>	<b>dB LA10,1hr</b>
22/09/2021 14:00	44.1	36.3	45.1
22/09/2021 15:00	45.1	37.0	45.3
22/09/2021 16:00	47.2	39.5	49.0
22/09/2021 17:00	50.0	39.3	51.9
22/09/2021 18:00	41.9	35.8	43.5
22/09/2021 19:00	41.4	34.5	42.0
22/09/2021 20:00	38.7	32.6	38.5
22/09/2021 21:00	35.6	30.6	36.9
22/09/2021 22:00	35.0	29.7	37.3
22/09/2021 23:00	32.7	27.2	33.5



<b>Period start</b>	<b>Average equivalent level, dB LAeq,1hr</b>	<b>dB LA90,1hr</b>	<b>dB LA10,1hr</b>
23/09/2021 00:00	29.7	26.4	31.4
23/09/2021 01:00	29.1	25.5	31.2
23/09/2021 02:00	32.9	25.5	31.2
23/09/2021 03:00	31.9	28.3	34.1
23/09/2021 04:00	35.8	30.2	38.5
23/09/2021 05:00	42.8	35.6	43.4
23/09/2021 06:00	46.9	39.7	46.2
23/09/2021 07:00	45.9	41.5	47.6
23/09/2021 08:00	49.5	42.7	50.3
23/09/2021 09:00	49.4	41.9	51.9
23/09/2021 10:00	49.5	40.9	51.7
23/09/2021 11:00	51.9	42.4	54.6
23/09/2021 12:00	53.0	42.4	56.1
23/09/2021 13:00	47.8	40.4	49.9
23/09/2021 14:00	48.6	38.2	48.1
23/09/2021 15:00	43.4	37.9	44.6
23/09/2021 16:00	45.3	38.8	46.6
23/09/2021 17:00	44.2	37.0	44.8
23/09/2021 18:00	41.1	33.8	43.6
23/09/2021 19:00	40.2	31.4	40.0
23/09/2021 20:00	34.6	28.0	37.0
23/09/2021 21:00	33.3	27.7	36.8
23/09/2021 22:00	32.3	24.5	34.1
23/09/2021 23:00	31.1	21.8	30.1
24/09/2021 00:00	26.6	21.4	26.1
24/09/2021 01:00	25.8	22.4	27.9
24/09/2021 02:00	29.8	24.9	30.0



<b>Period start</b>	<b>Average equivalent level, dB LAeq,1hr</b>	<b>dB LA90,1hr</b>	<b>dB LA10,1hr</b>
24/09/2021 03:00	30.7	26.1	33.5
24/09/2021 04:00	33.1	29.4	35.6
24/09/2021 05:00	40.1	32.6	39.1
24/09/2021 06:00	46.4	37.7	44.5
24/09/2021 07:00	47.5	41.5	47.8
24/09/2021 08:00	47.0	41.8	47.2
24/09/2021 09:00	49.8	40.3	52.8
24/09/2021 10:00	50.9	40.1	53.3
24/09/2021 11:00	45.7	38.8	47.8
24/09/2021 12:00	52.5	40.2	55.6
24/09/2021 13:00	47.0	38.4	49.5
24/09/2021 14:00	49.2	40.5	51.6
24/09/2021 15:00	50.3	39.6	52.4
24/09/2021 16:00	48.7	37.4	48.8
24/09/2021 17:00	42.9	37.4	44.9
24/09/2021 18:00	39.0	34.0	39.8
24/09/2021 19:00	37.8	31.8	38.5
24/09/2021 20:00	35.3	30.1	36.7
24/09/2021 21:00	35.1	31.2	36.2
24/09/2021 22:00	34.2	29.6	35.7
24/09/2021 23:00	32.5	29.3	34.4
25/09/2021 00:00	31.4	27.7	33.7
25/09/2021 01:00	28.2	25.9	29.7
25/09/2021 02:00	27.3	24.7	28.9
25/09/2021 03:00	32.1	24.8	28.8
25/09/2021 04:00	29.3	25.3	32.0
25/09/2021 05:00	37.8	26.7	32.9



<b>Period start</b>	<b>Average equivalent level, dB LAeq,1hr</b>	<b>dB LA90,1hr</b>	<b>dB LA10,1hr</b>
25/09/2021 06:00	41.1	30.2	39.8
25/09/2021 07:00	46.5	34.7	45.4
25/09/2021 08:00	45.1	34.2	45.3
25/09/2021 09:00	42.9	30.8	44.5
25/09/2021 10:00	41.2	32.4	44.1
25/09/2021 11:00	41.9	31.1	43.6
25/09/2021 12:00	39.1	30.5	41.3
25/09/2021 13:00	45.1	29.6	40.9
25/09/2021 14:00	35.2	29.4	38.2
25/09/2021 15:00	39.1	29.1	40.1
25/09/2021 16:00	37.2	28.5	37.6
25/09/2021 17:00	39.4	32.4	40.5
25/09/2021 18:00	39.4	31.1	37.8
25/09/2021 19:00	36.2	31.4	36.4
25/09/2021 20:00	35.3	28.5	35.1
25/09/2021 21:00	31.2	27.1	31.4
25/09/2021 22:00	29.7	24.7	30.1
25/09/2021 23:00	29.1	25.2	31.2
26/09/2021 00:00	26.7	24.6	28.2
26/09/2021 01:00	27.5	23.9	28.5
26/09/2021 02:00	25.3	22.5	26.3
26/09/2021 03:00	26.7	24.2	28.5
26/09/2021 04:00	28.0	24.6	30.1
26/09/2021 05:00	28.9	25.8	30.5
26/09/2021 06:00	44.1	29.1	41.9
26/09/2021 07:00	45.2	31.9	41.0
26/09/2021 08:00	42.6	35.0	41.8





<b>Period start</b>	<b>Average equivalent level, dB LAeq,1hr</b>	<b>dB LA90,1hr</b>	<b>dB LA10,1hr</b>
26/09/2021 09:00	43.6	35.4	42.7
26/09/2021 10:00	46.2	33.9	44.8
26/09/2021 11:00	42.7	33.3	40.5
26/09/2021 12:00	41.8	33.4	42.6
26/09/2021 13:00	46.4	36.8	48.4
26/09/2021 14:00	44.2	35.5	45.7
26/09/2021 15:00	46.2	34.9	47.2
26/09/2021 16:00	48.9	36.9	50.7
26/09/2021 17:00	41.0	34.9	43.3
26/09/2021 18:00	37.4	31.8	37.8
26/09/2021 19:00	33.8	31.1	34.9
26/09/2021 20:00	35.7	31.6	36.8
26/09/2021 21:00	36.4	32.5	37.5
26/09/2021 22:00	34.4	31.0	36.2
26/09/2021 23:00	35.1	31.6	37.2
27/09/2021 00:00	32.5	29.3	34.5
27/09/2021 01:00	32.5	29.2	34.8
27/09/2021 02:00	34.5	30.7	36.9
27/09/2021 03:00	34.5	31.8	36.2
27/09/2021 04:00	37.5	34.0	39.6
27/09/2021 05:00	39.5	35.7	41.6
27/09/2021 06:00	46.6	38.0	45.7
27/09/2021 07:00	48.6	40.5	48.8
27/09/2021 08:00	49.6	40.8	50.8
27/09/2021 09:00	56.2	44.0	55.5
27/09/2021 10:00	62.2	46.8	63.1
27/09/2021 11:00	64.4	47.4	67.3



<b>Period start</b>	<b>Average equivalent level, dB LAeq,1hr</b>	<b>dB LA90,1hr</b>	<b>dB LA10,1hr</b>
27/09/2021 12:00	56.8	44.6	58.6
27/09/2021 13:00	53.8	43.6	57.0
27/09/2021 14:00	56.0	43.1	58.8
27/09/2021 15:00	52.6	41.7	54.2
27/09/2021 16:00	55.0	41.9	57.9
27/09/2021 17:00	49.6	40.1	52.8
27/09/2021 18:00	45.0	36.4	46.8
27/09/2021 19:00	38.3	33.7	38.8
27/09/2021 20:00	36.0	31.8	37.6
27/09/2021 21:00	34.8	31.7	36.8
27/09/2021 22:00	33.7	30.4	35.5
27/09/2021 23:00	32.7	29.8	34.6
28/09/2021 00:00	34.2	31.1	36.4
28/09/2021 01:00	34.1	31.1	36.1
28/09/2021 02:00	33.2	29.8	35.3
28/09/2021 03:00	32.6	29.4	34.8
28/09/2021 04:00	34.4	30.5	36.8
28/09/2021 05:00	36.9	34.2	38.7
28/09/2021 06:00	42.2	37.6	42.6
28/09/2021 07:00	44.9	40.9	45.1
28/09/2021 08:00	45.5	41.8	45.3
28/09/2021 09:00	48.9	41.0	45.2
28/09/2021 10:00	65.4	38.2	60.9
28/09/2021 11:00	48.8	38.7	49.1
28/09/2021 12:00	53.1	40.0	55.7
28/09/2021 13:00	61.3	43.7	64.8
28/09/2021 14:00	54.4	41.0	55.4



Period start	Average equivalent level, dB LAeq,1hr	dB LA90,1hr	dB LA10,1hr
28/09/2021 15:00	55.8	40.0	57.7
28/09/2021 16:00	48.3	39.8	49.9
28/09/2021 17:00	49.9	39.5	51.1
28/09/2021 18:00	48.6	39.5	49.8
28/09/2021 19:00	46.0	38.6	47.0
28/09/2021 20:00	45.1	36.3	45.6
28/09/2021 21:00	40.7	35.6	43.0
28/09/2021 22:00	42.5	35.5	44.5
28/09/2021 23:00	52.6	38.0	52.5
29/09/2021 00:00	44.7	34.7	47.5
29/09/2021 01:00	33.9	26.4	36.6
29/09/2021 02:00	31.6	25.5	34.3
29/09/2021 03:00	31.5	26.0	33.8
29/09/2021 04:00	35.3	29.0	38.0
29/09/2021 05:00	40.1	34.4	42.2
29/09/2021 06:00	43.4	37.9	44.5
29/09/2021 07:00	46.9	40.7	47.0
29/09/2021 08:00	48.9	41.1	49.0
29/09/2021 09:00	51.2	41.4	53.6
29/09/2021 10:00	52.6	42.2	55.0

**Table 3.4 – Full survey data from MP4**

Period start	Average equivalent level, dB LAeq,1hr	dB LA90,1hr	dB LA10,1hr
08/07/2021 10:35	56.2	45.3	59.4
08/07/2021 11:35	61.6	49.9	61.7
08/07/2021 12:35	56.8	46.0	59.9



**Table 3.5 – Full survey data from MP5**

<b>Period start</b>	<b>Average equivalent level, dB LAeq,1hr</b>	<b>dB LA90,1hr</b>	<b>dB LA10,1hr</b>
02/07/2021 10:30	52.0	35.3	56.6
02/07/2021 11:30	53.0	35.6	57.5
02/07/2021 12:30	52.1	32.3	57.1