

# **A1 Northumberland Alnwick to Ellingham**

## **Preliminary Environmental Information Report Appendix F - Summary of Baseline Noise Measurement of Data**

February 2019



**Table D.1 – Measurement Location ST1 – Tabulated hourly results, Free-field, dB**

<b>Measurement Start</b>	<b>Measurement duration (hh:mm:ss)</b>	<b>L<sub>Aeq,1h</sub></b>	<b>L<sub>A10, 1h</sub></b>	<b>L<sub>A90, 1h</sub></b>
12/09/2018 12:00	01:00::00	63.9	68.2	51.5
12/09/2018 13:00	01:00::00	63.4	67.6	51.0
12/09/2018 14:00	01:00::00	64.4	68.5	51.9
12/09/2018 15:00	01:00::00	64.9	68.7	53.1
12/09/2018 16:00	01:00::00	65.0	68.6	52.5
12/09/2018 17:00	01:00::00	64.8	68.8	52.2
12/09/2018 18:00	01:00::00	62.6	66.9	48.8
12/09/2018 19:00	01:00::00	61.8	66.2	47.5
12/09/2018 20:00	01:00::00	59.9	63.7	43.2
12/09/2018 21:00	01:00::00	59.6	63.9	42.1
12/09/2018 22:00	01:00::00	56.5	57.8	36.5
12/09/2018 23:00	01:00::00	52.4	50.3	34.6
13/09/2018 00:00	01:00::00	50.8	45.6	28.0
13/09/2018 01:00	01:00::00	44.1	41.9	27.7
13/09/2018 02:00	01:00::00	47.4	43.3	27.4
13/09/2018 03:00	01:00::00	43.6	41.4	29.5
13/09/2018 04:00	01:00::00	46.3	44.5	30.3
13/09/2018 05:00	01:00::00	53.7	52.7	37.1
13/09/2018 06:00	01:00::00	59.1	62.1	44.6
13/09/2018 07:00	01:00::00	64.2	67.9	47.2

Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
13/09/2018 08:00	01:00::00	66.3	69.1	52.8
13/09/2018 09:00	01:00::00	64.5	68.3	55.7
13/09/2018 10:00	01:00::00	64.2	68.0	55.2
13/09/2018 11:00	01:00::00	64.3	68.1	53.1

**Table D.2 – Measurement Location ST2 – Tabulated hourly results, Free-field, dB**

Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
12/09/2018 11:00	01:00::00	54.7	56.9	78.9
12/09/2018 12:00	01:00::00	55.8	58.2	78.6
12/09/2018 13:00	01:00::00	54.0	56.4	74.6
12/09/2018 14:00	01:00::00	55.5	58.2	75.5
12/09/2018 15:00	01:00::00	56.8	61.1	74.2
12/09/2018 16:00	01:00::00	57.5	61.3	78.1
12/09/2018 17:00	01:00::00	57.1	60.9	77.5
12/09/2018 18:00	01:00::00	61.2	59.5	88.8
12/09/2018 19:00	01:00::00	55.4	56.4	83.3
12/09/2018 20:00	01:00::00	52.3	53.0	74.2
12/09/2018 21:00	01:00::00	49.0	45.6	73.0
12/09/2018 22:00	01:00::00	46.1	40.0	72.6

Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
12/09/2018 23:00	01:00::00	49.1	41.0	76.1
13/09/2018 00:00	01:00::00	48.3	35.0	75.2
13/09/2018 01:00	01:00::00	47.5	41.2	76.7
13/09/2018 02:00	01:00::00	40.3	40.4	75.4
13/09/2018 03:00	01:00::00	30.2	32.5	54.1
13/09/2018 04:00	01:00::00	39.4	34.3	72.8
13/09/2018 05:00	01:00::00	48.7	36.3	77.9
13/09/2018 06:00	01:00::00	50.3	46.8	74.9
13/09/2018 07:00	01:00::00	54.2	55.9	76.4
13/09/2018 08:00	01:00::00	56.4	59.1	77.2
13/09/2018 09:00	01:00::00	56.2	58.5	77.6
13/09/2018 10:00	01:00::00	56.4	58.1	84.8
13/09/2018 11:00	01:00::00	55.4	58.3	73.8

**Table D.3 – Measurement Location ST3 – Tabulated hourly results, Free-field, dB**

Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,T</sub>	L <sub>A10, T</sub>	L <sub>A90, T</sub>
12/09/2018 13:20	01:00:00	75.2	79.5	53.5
12/09/2018 14:20	01:00:00	75.7	80.0	54.2
12/09/2018 15:20	01:00:00	75.9	80.2	54.4

Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,T</sub>	L <sub>A10, T</sub>	L <sub>A90, T</sub>
13/09/2018 01:22	00:15:00	68.6	65.6	25.7
13/09/2018 01:37	00:15:00	69.0	65.3	26.6
13/09/2018 03:54	00:15:00	65.8	58.8	28.7
13/09/2018 04:09	00:15:00	67.3	64.0	30.8

**Table D.4– Measurement Location ST4 – Tabulated hourly results, Free-field, dB**

Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,T</sub>	L <sub>A10, T</sub>	L <sub>A90, T</sub>
13/09/2018 00:36	00:15:00	52.9	55.3	48.3
13/09/2018 00:51	00:15:00	52.3	53.5	50.1
13/09/2018 03:15	00:15:00	54.3	53.6	28.3
13/09/2018 03:30	00:15:00	57.1	51.5	28.0

**Table D.5– Measurement Location ST5 – Tabulated hourly results, Free-field, dB**

Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,T</sub>	L <sub>A10, T</sub>	L <sub>A90, T</sub>
13/09/2018 02:08	00:15:00	36.7	39.3	29.8
13/09/2018 02:23	00:15:00	35.5	39.8	26.8
13/09/2018 04:39	00:15:00	38.5	41.3	31.3
13/09/2018 04:54	00:15:00	38.6	41.4	32.8

**Table D.6 – Measurement Location LT1 – Tabulated hourly results, Free-field, dB**

<b>Measurement Start</b>	<b>Measurement duration (hh:mm:ss)</b>	<b>L<sub>Aeq,1h</sub></b>	<b>L<sub>A10, 1h</sub></b>	<b>L<sub>A90, 1h</sub></b>
11/09/2018 15:00	01:00::00	62.6	65.2	50.7
11/09/2018 16:00	01:00::00	62.5	65.0	46.3
11/09/2018 17:00	01:00::00	62.4	65.7	47.6
11/09/2018 18:00	01:00::00	60.3	62.2	43.1
11/09/2018 19:00	01:00::00	59.4	59.6	41.7
11/09/2018 20:00	01:00::00	56.8	50.0	39.7
11/09/2018 21:00	01:00::00	54.2	47.0	30.4
11/09/2018 22:00	01:00::00	54.9	50.1	32.6
11/09/2018 23:00	01:00::00	52.5	49.7	36.8
12/09/2018 00:00	01:00::00	53.4	55.5	35.9
12/09/2018 01:00	01:00::00	54.4	57.2	45.3
12/09/2018 02:00	01:00::00	58.0	61.3	51.1
12/09/2018 03:00	01:00::00	50.5	53.9	32.4
12/09/2018 04:00	01:00::00	42.8	31.4	23.2
12/09/2018 05:00	01:00::00	50.6	40.2	25.4
12/09/2018 06:00	01:00::00	56.7	48.0	29.0
12/09/2018 07:00	01:00::00	63.8	64.2	37.8
12/09/2018 08:00	01:00::00	62.6	65.3	41.8
12/09/2018 09:00	01:00::00	61.1	63.1	40.2
12/09/2018 10:00	01:00::00	62.4	65.1	42.9



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
12/09/2018 11:00	01:00::00	61.2	64.0	45.2
12/09/2018 12:00	01:00::00	61.0	62.2	43.1
12/09/2018 13:00	01:00::00	60.1	62.5	43.5
12/09/2018 14:00	01:00::00	61.4	63.3	43.5
12/09/2018 15:00	01:00::00	62.2	65.3	43.2
12/09/2018 16:00	01:00::00	63.5	66.2	42.7
12/09/2018 17:00	01:00::00	62.4	65.0	40.4
12/09/2018 18:00	01:00::00	60.8	62.9	33.9
12/09/2018 19:00	01:00::00	60.0	60.7	36.6
12/09/2018 20:00	01:00::00	58.3	55.4	34.0
12/09/2018 21:00	01:00::00	54.9	46.2	34.0
12/09/2018 22:00	01:00::00	53.8	38.5	26.0
12/09/2018 23:00	01:00::00	53.9	40.3	24.3
13/09/2018 00:00	01:00::00	46.7	32.2	20.5
13/09/2018 01:00	01:00::00	48.9	32.2	19.8
13/09/2018 02:00	01:00::00	47.5	30.9	19.8
13/09/2018 03:00	01:00::00	38.3	28.9	21.3
13/09/2018 04:00	01:00::00	43.5	35.6	23.1
13/09/2018 05:00	01:00::00	53.8	41.6	31.2
13/09/2018 06:00	01:00::00	55.1	47.7	31.4



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
13/09/2018 07:00	01:00::00	60.9	62.3	38.9
13/09/2018 08:00	01:00::00	63.1	65.3	45.4
13/09/2018 09:00	01:00::00	64.4	66.5	51.6
13/09/2018 10:00	01:00::00	64.4	64.9	49.8
13/09/2018 11:00	01:00::00	61.5	63.8	47.0
13/09/2018 12:00	01:00::00	62.6	65.3	45.5
13/09/2018 17:00	01:00::00	62.6	65.3	36.2
13/09/2018 18:00	01:00::00	61.4	63.8	35.5
13/09/2018 19:00	01:00::00	58.7	59.3	35.4
13/09/2018 20:00	01:00::00	57.0	51.5	32.0
13/09/2018 21:00	01:00::00	59.2	48.1	30.2
13/09/2018 22:00	01:00::00	53.3	51.7	36.2
13/09/2018 23:00	01:00::00	53.4	50.4	38.1
14/09/2018 00:00	01:00::00	48.6	37.6	27.4
14/09/2018 01:00	01:00::00	47.2	33.8	24.0
14/09/2018 02:00	01:00::00	44.3	38.5	31.9
14/09/2018 03:00	01:00::00	33.4	36.7	26.8
14/09/2018 04:00	01:00::00	44.2	43.2	36.0
14/09/2018 05:00	01:00::00	51.2	47.2	39.1
14/09/2018 06:00	01:00::00	55.4	48.9	37.2





Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
14/09/2018 07:00	01:00::00	60.7	62.4	38.3
14/09/2018 08:00	01:00::00	62.5	65.5	40.6
14/09/2018 15:00	01:00::00	63.0	65.2	42.1
14/09/2018 16:00	01:00::00	62.8	66.6	43.8
14/09/2018 17:00	01:00::00	62.8	65.5	43.9
14/09/2018 18:00	01:00::00	62.1	65.1	36.4
14/09/2018 19:00	01:00::00	59.6	59.8	33.3
14/09/2018 20:00	01:00::00	58.8	57.0	26.5
14/09/2018 21:00	01:00::00	57.6	48.3	24.5
14/09/2018 22:00	01:00::00	57.8	54.1	25.3
14/09/2018 23:00	01:00::00	55.0	41.4	23.7
15/09/2018 00:00	01:00::00	55.6	44.5	22.5
15/09/2018 01:00	01:00::00	48.2	34.0	23.6
15/09/2018 02:00	01:00::00	40.4	30.5	22.9
15/09/2018 03:00	01:00::00	46.4	29.5	23.3
15/09/2018 04:00	01:00::00	38.0	34.4	27.0
15/09/2018 05:00	01:00::00	47.2	37.4	27.0
15/09/2018 06:00	01:00::00	55.9	47.1	31.9
15/09/2018 07:00	01:00::00	61.3	59.4	34.3
15/09/2018 08:00	01:00::00	61.2	62.9	36.5



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
15/09/2018 09:00	01:00::00	61.4	63.4	35.1
15/09/2018 10:00	01:00::00	63.1	66.0	36.5
15/09/2018 11:00	01:00::00	62.5	65.7	35.6
15/09/2018 12:00	01:00::00	62.8	65.4	37.0
15/09/2018 13:00	01:00::00	60.7	62.6	33.5
15/09/2018 14:00	01:00::00	61.0	63.9	33.4
15/09/2018 15:00	01:00::00	60.8	63.4	34.0
15/09/2018 16:00	01:00::00	61.5	64.4	32.8
15/09/2018 17:00	01:00::00	61.1	62.9	35.4
15/09/2018 18:00	01:00::00	60.4	61.7	32.6
15/09/2018 19:00	01:00::00	60.2	58.8	28.9
15/09/2018 20:00	01:00::00	56.8	50.7	26.4
15/09/2018 21:00	01:00::00	54.6	42.6	27.1
15/09/2018 22:00	01:00::00	52.5	38.1	26.8
15/09/2018 23:00	01:00::00	52.8	36.1	28.2
16/09/2018 00:00	01:00::00	52.8	39.0	27.5
16/09/2018 01:00	01:00::00	51.8	44.3	31.8
16/09/2018 02:00	01:00::00	48.6	43.9	33.3
16/09/2018 03:00	01:00::00	50.8	40.2	29.9
16/09/2018 04:00	01:00::00	42.9	38.9	30.5



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
16/09/2018 05:00	01:00::00	47.4	41.3	33.4
16/09/2018 06:00	01:00::00	50.2	48.5	35.6
16/09/2018 07:00	01:00::00	54.6	51.7	44.2
16/09/2018 08:00	01:00::00	60.6	52.6	44.0
16/09/2018 09:00	01:00::00	58.8	59.0	43.2
16/09/2018 10:00	01:00::00	61.6	64.0	49.7
16/09/2018 11:00	01:00::00	61.2	63.3	48.1
16/09/2018 12:00	01:00::00	60.5	62.8	44.7
16/09/2018 13:00	01:00::00	60.6	63.4	41.7
16/09/2018 14:00	01:00::00	60.5	63.1	40.6
16/09/2018 15:00	01:00::00	60.7	63.4	42.9
16/09/2018 16:00	01:00::00	59.4	62.4	38.8
16/09/2018 17:00	01:00::00	59.5	59.4	39.2
16/09/2018 18:00	01:00::00	58.9	58.2	33.5
16/09/2018 19:00	01:00::00	56.6	52.3	29.5
16/09/2018 20:00	01:00::00	53.9	44.1	26.3
16/09/2018 21:00	01:00::00	52.7	40.9	27.1
16/09/2018 22:00	01:00::00	49.9	33.9	26.9
16/09/2018 23:00	01:00::00	50.2	33.0	20.9
17/09/2018 00:00	01:00::00	43.0	32.0	19.4



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
17/09/2018 01:00	01:00::00	48.0	35.1	20.3
17/09/2018 02:00	01:00::00	45.4	35.1	19.7
17/09/2018 03:00	01:00::00	32.8	37.1	20.0
17/09/2018 04:00	01:00::00	50.6	35.5	25.0
17/09/2018 05:00	01:00::00	53.8	37.4	26.9
17/09/2018 06:00	01:00::00	57.1	51.5	32.2
17/09/2018 07:00	01:00::00	63.6	63.5	37.1
17/09/2018 08:00	01:00::00	62.3	64.7	36.1
17/09/2018 09:00	01:00::00	61.6	64.0	36.8
17/09/2018 10:00	01:00::00	62.2	65.1	35.2
17/09/2018 11:00	01:00::00	63.0	65.8	35.7
17/09/2018 12:00	01:00::00	61.1	63.2	35.8
17/09/2018 13:00	01:00::00	60.5	63.3	38.3
17/09/2018 14:00	01:00::00	68.8	64.8	37.1
17/09/2018 15:00	01:00::00	62.4	65.1	37.4
17/09/2018 16:00	01:00::00	62.1	65.5	39.1
17/09/2018 17:00	01:00::00	62.3	65.6	37.3
17/09/2018 18:00	01:00::00	60.2	62.3	32.0
17/09/2018 19:00	01:00::00	59.1	57.7	30.2
17/09/2018 20:00	01:00::00	58.7	52.5	29.6



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
17/09/2018 21:00	01:00::00	53.5	41.0	30.4
17/09/2018 22:00	01:00::00	54.8	38.7	26.4
17/09/2018 23:00	01:00::00	48.2	36.4	26.9
18/09/2018 00:00	01:00::00	44.5	35.0	26.8
18/09/2018 01:00	01:00::00	46.6	38.9	26.0
18/09/2018 02:00	01:00::00	45.6	32.1	21.0
18/09/2018 03:00	01:00::00	30.8	34.5	21.5
18/09/2018 04:00	01:00::00	37.2	35.5	24.8
18/09/2018 05:00	01:00::00	51.4	37.3	29.6
18/09/2018 06:00	01:00::00	57.0	48.3	32.7
18/09/2018 10:00	01:00::00	62.4	65.9	35.0
18/09/2018 11:00	01:00::00	61.9	64.0	35.9
18/09/2018 18:00	01:00::00	59.3	60.3	34.3
18/09/2018 19:00	01:00::00	59.6	60.1	32.0
18/09/2018 20:00	01:00::00	56.5	51.9	34.2
18/09/2018 21:00	01:00::00	53.8	50.5	39.4
18/09/2018 22:00	01:00::00	52.1	45.7	25.7
18/09/2018 23:00	01:00::00	52.9	36.3	27.2
19/09/2018 00:00	01:00::00	48.6	44.4	37.2
19/09/2018 01:00	01:00::00	48.8	46.4	41.0

Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
19/09/2018 02:00	01:00::00	43.5	45.8	40.0
19/09/2018 03:00	01:00::00	53.6	55.8	47.7
19/09/2018 04:00	01:00::00	51.4	54.0	45.8
19/09/2018 05:00	01:00::00	52.6	44.1	28.4
19/09/2018 06:00	01:00::00	57.8	55.7	33.6

**Table D.7 – Measurement Location LT2 – Tabulated hourly results, Free-field, dB**

Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
11/09/2018 16:00	01:00::00	50.9	52.9	47.0
11/09/2018 17:00	01:00::00	51.3	53.6	47.4
11/09/2018 18:00	01:00::00	48.8	51.0	45.3
11/09/2018 19:00	01:00::00	47.5	49.9	42.4
11/09/2018 20:00	01:00::00	45.0	48.1	38.8
11/09/2018 21:00	01:00::00	40.2	43.3	32.6
11/09/2018 22:00	01:00::00	43.6	42.6	30.7
11/09/2018 23:00	01:00::00	43.1	45.7	35.9
12/09/2018 00:00	01:00::00	40.9	43.3	34.8
12/09/2018 01:00	01:00::00	46.1	48.5	41.4
12/09/2018 02:00	01:00::00	47.6	50.0	43.2
12/09/2018 03:00	01:00::00	39.9	43.2	29.8



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
12/09/2018 04:00	01:00::00	41.4	44.6	25.8
12/09/2018 05:00	01:00::00	38.2	41.6	29.2
12/09/2018 06:00	01:00::00	44.1	47.2	35.6
12/09/2018 07:00	01:00::00	45.4	48.2	39.6
12/09/2018 08:00	01:00::00	44.0	46.8	38.2
12/09/2018 09:00	01:00::00	45.1	47.6	39.5
12/09/2018 10:00	01:00::00	50.9	48.5	41.5
12/09/2018 11:00	01:00::00	46.0	48.1	41.8
12/09/2018 12:00	01:00::00	46.1	48.4	41.3
12/09/2018 13:00	01:00::00	46.4	49.0	40.4
12/09/2018 14:00	01:00::00	47.8	50.0	41.8
12/09/2018 15:00	01:00::00	46.3	48.4	42.6
12/09/2018 16:00	01:00::00	50.1	50.0	42.7
12/09/2018 17:00	01:00::00	47.4	48.5	40.1
12/09/2018 18:00	01:00::00	49.8	46.4	38.4
12/09/2018 19:00	01:00::00	43.6	46.2	38.4
12/09/2018 20:00	01:00::00	42.7	45.7	36.1
12/09/2018 21:00	01:00::00	40.7	43.4	34.0
12/09/2018 22:00	01:00::00	46.0	50.3	29.6
12/09/2018 23:00	01:00::00	50.4	50.9	29.1



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
13/09/2018 00:00	01:00::00	52.0	50.2	22.9
13/09/2018 01:00	01:00::00	50.2	55.4	22.0
13/09/2018 02:00	01:00::00	50.6	55.3	22.6
13/09/2018 03:00	01:00::00	43.9	48.5	21.6
13/09/2018 04:00	01:00::00	37.9	40.8	25.7
13/09/2018 05:00	01:00::00	40.6	42.9	33.3
13/09/2018 06:00	01:00::00	46.5	50.1	39.9
13/09/2018 07:00	01:00::00	47.3	50.1	41.8
13/09/2018 08:00	01:00::00	47.5	50.2	42.8
13/09/2018 09:00	01:00::00	51.7	54.4	45.8
13/09/2018 10:00	01:00::00	53.7	54.5	47.7
13/09/2018 11:00	01:00::00	51.3	53.6	47.1
13/09/2018 12:00	01:00::00	49.8	52.1	45.9
13/09/2018 17:00	01:00::00	44.5	46.9	40.1
13/09/2018 18:00	01:00::00	49.2	52.3	41.0
13/09/2018 19:00	01:00::00	45.9	48.9	40.0
13/09/2018 20:00	01:00::00	43.2	46.8	36.0
13/09/2018 21:00	01:00::00	44.7	48.5	34.3
13/09/2018 22:00	01:00::00	44.3	47.6	34.9
13/09/2018 23:00	01:00::00	40.2	43.8	31.0





Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
14/09/2018 00:00	01:00::00	39.7	43.4	25.0
14/09/2018 01:00	01:00::00	43.4	47.8	24.7
14/09/2018 02:00	01:00::00	42.9	46.4	27.4
14/09/2018 03:00	01:00::00	43.3	47.7	28.0
14/09/2018 04:00	01:00::00	42.1	45.5	33.5
14/09/2018 05:00	01:00::00	41.2	44.7	33.7
14/09/2018 06:00	01:00::00	48.3	51.9	40.4
14/09/2018 07:00	01:00::00	53.0	54.9	45.9
14/09/2018 08:00	01:00::00	50.8	53.5	46.4
14/09/2018 15:00	01:00::00	48.0	50.0	43.1
14/09/2018 16:00	01:00::00	48.8	51.1	45.2
14/09/2018 17:00	01:00::00	48.2	50.4	44.5
14/09/2018 18:00	01:00::00	46.7	49.0	42.0
14/09/2018 19:00	01:00::00	46.9	50.3	40.8
14/09/2018 20:00	01:00::00	53.0	56.6	38.9
14/09/2018 21:00	01:00::00	50.5	54.4	33.7
14/09/2018 22:00	01:00::00	48.3	52.9	31.9
14/09/2018 23:00	01:00::00	47.2	51.9	27.1
15/09/2018 00:00	01:00::00	47.3	52.3	24.9
15/09/2018 01:00	01:00::00	43.9	48.3	25.5



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
15/09/2018 02:00	01:00::00	34.7	38.8	23.5
15/09/2018 03:00	01:00::00	34.9	38.5	24.8
15/09/2018 04:00	01:00::00	35.9	39.6	28.3
15/09/2018 05:00	01:00::00	36.2	39.7	28.5
15/09/2018 06:00	01:00::00	41.9	45.0	33.1
15/09/2018 07:00	01:00::00	49.6	49.8	38.2
15/09/2018 08:00	01:00::00	43.2	46.0	37.3
15/09/2018 09:00	01:00::00	42.8	45.3	37.6
15/09/2018 10:00	01:00::00	45.7	46.5	39.8
15/09/2018 11:00	01:00::00	45.2	47.5	39.7
15/09/2018 12:00	01:00::00	45.0	47.0	39.0
15/09/2018 13:00	01:00::00	43.7	46.2	38.0
15/09/2018 14:00	01:00::00	44.5	45.8	38.6
15/09/2018 15:00	01:00::00	44.7	46.3	38.4
15/09/2018 16:00	01:00::00	49.2	51.1	41.7
15/09/2018 17:00	01:00::00	57.3	60.6	50.6
15/09/2018 18:00	01:00::00	54.5	57.6	46.0
15/09/2018 19:00	01:00::00	54.2	58.0	43.5
15/09/2018 20:00	01:00::00	50.8	54.6	38.2
15/09/2018 21:00	01:00::00	51.5	56.0	37.2



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
15/09/2018 22:00	01:00::00	52.1	56.8	30.7
15/09/2018 23:00	01:00::00	50.5	55.2	29.0
16/09/2018 00:00	01:00::00	49.9	54.6	30.2
16/09/2018 01:00	01:00::00	47.3	51.5	32.6
16/09/2018 02:00	01:00::00	46.8	50.4	38.6
16/09/2018 03:00	01:00::00	46.8	51.2	34.9
16/09/2018 04:00	01:00::00	46.3	50.2	34.8
16/09/2018 05:00	01:00::00	46.9	50.9	36.1
16/09/2018 06:00	01:00::00	49.0	52.6	40.8
16/09/2018 07:00	01:00::00	49.9	53.2	43.3
16/09/2018 08:00	01:00::00	51.2	54.3	44.6
16/09/2018 09:00	01:00::00	50.7	53.6	45.4
16/09/2018 10:00	01:00::00	50.9	53.1	46.9
16/09/2018 11:00	01:00::00	48.9	50.9	45.2
16/09/2018 12:00	01:00::00	48.6	50.9	44.5
16/09/2018 13:00	01:00::00	47.5	49.9	42.6
16/09/2018 14:00	01:00::00	47.1	49.2	43.3
16/09/2018 15:00	01:00::00	48.3	50.3	44.6
16/09/2018 16:00	01:00::00	47.2	49.6	43.0
16/09/2018 17:00	01:00::00	45.7	47.9	41.4



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
16/09/2018 18:00	01:00::00	43.9	46.1	38.6
16/09/2018 19:00	01:00::00	46.5	49.5	40.6
16/09/2018 20:00	01:00::00	46.1	49.6	37.4
16/09/2018 21:00	01:00::00	44.9	48.5	36.1
16/09/2018 22:00	01:00::00	46.7	50.8	31.6
16/09/2018 23:00	01:00::00	49.9	54.2	25.3
17/09/2018 00:00	01:00::00	50.2	55.3	22.1
17/09/2018 01:00	01:00::00	50.1	54.8	21.3
17/09/2018 02:00	01:00::00	51.2	56.1	24.2
17/09/2018 03:00	01:00::00	50.5	55.1	22.8
17/09/2018 04:00	01:00::00	53.2	57.9	34.2
17/09/2018 05:00	01:00::00	53.3	57.2	40.4
17/09/2018 06:00	01:00::00	55.3	59.0	45.2
17/09/2018 07:00	01:00::00	56.7	60.0	49.4
17/09/2018 08:00	01:00::00	55.0	56.4	45.4
17/09/2018 09:00	01:00::00	51.1	54.3	45.1
17/09/2018 10:00	01:00::00	56.0	59.1	49.8
17/09/2018 11:00	01:00::00	67.0	59.7	50.9
17/09/2018 12:00	01:00::00	57.1	59.8	50.8
17/09/2018 13:00	01:00::00	59.5	61.9	53.2

Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
17/09/2018 14:00	01:00::00	58.9	61.6	52.7
17/09/2018 15:00	01:00::00	58.3	60.9	52.0
17/09/2018 16:00	01:00::00	57.7	60.5	51.8
17/09/2018 17:00	01:00::00	57.3	60.3	50.5
17/09/2018 18:00	01:00::00	53.8	57.0	46.1
17/09/2018 19:00	01:00::00	55.6	58.2	44.4
17/09/2018 20:00	01:00::00	51.8	56.0	38.2
17/09/2018 21:00	01:00::00	50.4	54.3	38.4
17/09/2018 22:00	01:00::00	50.2	54.8	31.9
17/09/2018 23:00	01:00::00	48.7	53.5	34.5
18/09/2018 00:00	01:00::00	48.5	52.7	35.1
18/09/2018 01:00	01:00::00	47.3	51.4	36.4
18/09/2018 02:00	01:00::00	47.6	51.7	26.0
18/09/2018 03:00	01:00::00	50.1	54.9	26.4
18/09/2018 04:00	01:00::00	50.3	55.2	29.2
18/09/2018 05:00	01:00::00	52.6	57.2	36.2
18/09/2018 06:00	01:00::00	56.1	60.0	42.7
18/09/2018 10:00	01:00::00	53.9	56.2	48.2
18/09/2018 11:00	01:00::00	50.2	54.0	43.1

Note - Baseline noise measurements at LT3 are to be repeated and reported within the Noise and Vibration ES chapter



**Table D.8 – Measurement Location LT4 – Tabulated hourly results, Free-field, dB**

<b>Measurement Start</b>	<b>Measurement duration (hh:mm:ss)</b>	<b>L<sub>Aeq,1h</sub></b>	<b>L<sub>A10, 1h</sub></b>	<b>L<sub>A90, 1h</sub></b>
11/09/2018 16:00	01:00::00	56.2	58.5	51.2
11/09/2018 17:00	01:00::00	56.4	59.2	50.7
11/09/2018 18:00	01:00::00	55.6	58.5	49.3
11/09/2018 19:00	01:00::00	53.8	57.0	45.8
11/09/2018 20:00	01:00::00	50.8	54.4	41.3
11/09/2018 21:00	01:00::00	48.9	52.5	40.3
11/09/2018 22:00	01:00::00	49.0	52.6	38.7
11/09/2018 23:00	01:00::00	48.1	51.8	40.5
12/09/2018 00:00	01:00::00	48.7	52.9	40.1
12/09/2018 01:00	01:00::00	49.8	53.2	43.1
12/09/2018 02:00	01:00::00	48.3	51.5	41.6
12/09/2018 03:00	01:00::00	46.1	50.3	35.7
12/09/2018 04:00	01:00::00	45.8	50.2	35.4
12/09/2018 05:00	01:00::00	48.6	52.9	32.8
12/09/2018 06:00	01:00::00	53.6	56.1	44.0
12/09/2018 07:00	01:00::00	54.1	56.9	48.2
12/09/2018 08:00	01:00::00	53.7	56.6	46.4
12/09/2018 09:00	01:00::00	52.5	54.9	47.0
12/09/2018 10:00	01:00::00	53.0	55.5	48.4
12/09/2018 11:00	01:00::00	53.2	55.5	47.4



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
12/09/2018 12:00	01:00::00	52.8	55.5	47.8
12/09/2018 13:00	01:00::00	52.4	55.0	46.6
12/09/2018 14:00	01:00::00	53.2	55.2	47.8
12/09/2018 15:00	01:00::00	53.9	56.5	49.1
12/09/2018 16:00	01:00::00	54.0	56.4	49.5
12/09/2018 17:00	01:00::00	54.0	56.4	49.0
12/09/2018 18:00	01:00::00	51.9	55.1	45.0
12/09/2018 19:00	01:00::00	52.0	55.0	45.0
12/09/2018 20:00	01:00::00	49.6	53.2	39.7
12/09/2018 21:00	01:00::00	49.0	53.0	38.8
12/09/2018 22:00	01:00::00	48.2	52.3	34.9
12/09/2018 23:00	01:00::00	48.9	53.1	33.1
13/09/2018 00:00	01:00::00	52.4	52.9	28.6
13/09/2018 01:00	01:00::00	47.3	51.9	30.1
13/09/2018 02:00	01:00::00	46.6	51.1	28.2
13/09/2018 03:00	01:00::00	45.0	49.6	28.9
13/09/2018 04:00	01:00::00	47.1	51.3	33.0
13/09/2018 05:00	01:00::00	51.0	54.8	38.0
13/09/2018 06:00	01:00::00	54.1	57.5	44.9
13/09/2018 07:00	01:00::00	55.2	57.8	49.2



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
13/09/2018 08:00	01:00::00	55.8	58.3	50.6
13/09/2018 09:00	01:00::00	56.5	59.1	51.3
13/09/2018 10:00	01:00::00	71.5	72.8	54.9
13/09/2018 11:00	01:00::00	56.7	59.1	52.2
13/09/2018 12:00	01:00::00	56.4	59.2	50.9
13/09/2018 17:00	01:00::00	53.7	56.2	47.8
13/09/2018 18:00	01:00::00	53.3	56.4	47.0
13/09/2018 19:00	01:00::00	53.1	55.9	46.0
13/09/2018 20:00	01:00::00	50.9	54.5	39.3
13/09/2018 21:00	01:00::00	49.6	53.5	35.4
13/09/2018 22:00	01:00::00	47.8	51.4	34.8
13/09/2018 23:00	01:00::00	46.9	51.6	30.8
14/09/2018 00:00	01:00::00	43.3	48.3	27.2
14/09/2018 01:00	01:00::00	47.5	52.0	30.4
14/09/2018 02:00	01:00::00	47.3	51.8	32.8
14/09/2018 03:00	01:00::00	48.7	53.0	32.3
14/09/2018 04:00	01:00::00	48.1	52.5	32.5
14/09/2018 05:00	01:00::00	51.7	55.6	39.0
14/09/2018 06:00	01:00::00	52.5	55.7	42.9
14/09/2018 07:00	01:00::00	54.9	57.9	48.6





Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
14/09/2018 08:00	01:00::00	55.8	58.5	50.5
14/09/2018 15:00	01:00::00	55.7	57.6	50.8
14/09/2018 16:00	01:00::00	56.9	57.9	51.1
14/09/2018 17:00	01:00::00	55.5	57.7	51.9
14/09/2018 18:00	01:00::00	54.1	56.2	50.7
14/09/2018 19:00	01:00::00	52.9	55.5	47.9
14/09/2018 20:00	01:00::00	51.5	54.7	41.8
14/09/2018 21:00	01:00::00	52.8	56.5	39.2
14/09/2018 22:00	01:00::00	51.3	55.3	38.2
14/09/2018 23:00	01:00::00	49.1	53.3	37.5
15/09/2018 00:00	01:00::00	49.0	53.4	37.3
15/09/2018 01:00	01:00::00	49.2	53.6	35.4
15/09/2018 02:00	01:00::00	48.0	52.1	33.8
15/09/2018 03:00	01:00::00	46.9	51.8	33.2
15/09/2018 04:00	01:00::00	48.7	53.1	34.9
15/09/2018 05:00	01:00::00	49.0	53.2	36.0
15/09/2018 06:00	01:00::00	51.7	54.9	41.2
15/09/2018 07:00	01:00::00	53.8	56.5	46.4
15/09/2018 08:00	01:00::00	53.8	56.5	46.1
15/09/2018 09:00	01:00::00	53.9	56.3	49.0



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
15/09/2018 10:00	01:00::00	52.7	55.1	47.0
15/09/2018 11:00	01:00::00	54.1	56.1	47.4
15/09/2018 12:00	01:00::00	53.1	56.1	46.4
15/09/2018 13:00	01:00::00	52.9	55.6	47.4
15/09/2018 14:00	01:00::00	51.7	54.3	45.8
15/09/2018 15:00	01:00::00	52.1	54.8	46.6
15/09/2018 16:00	01:00::00	53.1	55.6	47.6
15/09/2018 17:00	01:00::00	53.5	56.1	48.7
15/09/2018 18:00	01:00::00	52.8	55.4	47.1
15/09/2018 19:00	01:00::00	52.5	55.6	45.2
15/09/2018 20:00	01:00::00	51.8	55.4	42.4
15/09/2018 21:00	01:00::00	50.6	54.6	38.4
15/09/2018 22:00	01:00::00	49.8	53.8	38.8
15/09/2018 23:00	01:00::00	47.1	51.3	34.0
16/09/2018 00:00	01:00::00	47.6	51.3	38.7
16/09/2018 01:00	01:00::00	47.9	51.6	40.8
16/09/2018 02:00	01:00::00	48.0	50.5	41.2
16/09/2018 03:00	01:00::00	50.2	53.0	43.1
16/09/2018 04:00	01:00::00	49.7	52.8	43.4
16/09/2018 05:00	01:00::00	50.9	54.0	44.2



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
16/09/2018 06:00	01:00::00	52.7	56.3	44.9
16/09/2018 07:00	01:00::00	53.6	56.9	45.7
16/09/2018 08:00	01:00::00	54.4	57.3	46.2
16/09/2018 09:00	01:00::00	55.0	58.0	47.5
16/09/2018 10:00	01:00::00	56.5	59.2	51.7
16/09/2018 11:00	01:00::00	56.6	58.7	50.7
16/09/2018 12:00	01:00::00	53.1	55.3	47.8
16/09/2018 13:00	01:00::00	54.8	57.3	49.7
16/09/2018 14:00	01:00::00	54.6	57.1	49.5
16/09/2018 15:00	01:00::00	55.9	58.5	51.0
16/09/2018 16:00	01:00::00	53.6	56.1	48.7
16/09/2018 17:00	01:00::00	53.3	56.0	47.5
16/09/2018 18:00	01:00::00	50.8	53.3	44.2
16/09/2018 19:00	01:00::00	51.8	55.1	44.4
16/09/2018 20:00	01:00::00	50.7	54.2	43.4
16/09/2018 21:00	01:00::00	47.8	51.1	39.5
16/09/2018 22:00	01:00::00	49.6	53.7	37.5
16/09/2018 23:00	01:00::00	45.4	49.7	28.1
17/09/2018 00:00	01:00::00	46.3	51.0	24.7
17/09/2018 01:00	01:00::00	46.6	51.1	26.1



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
17/09/2018 02:00	01:00::00	47.5	51.9	31.6
17/09/2018 03:00	01:00::00	46.8	51.5	26.7
17/09/2018 04:00	01:00::00	50.9	54.9	37.9
17/09/2018 05:00	01:00::00	53.6	57.1	42.0
17/09/2018 06:00	01:00::00	54.8	57.9	47.2
17/09/2018 07:00	01:00::00	55.2	58.3	48.3
17/09/2018 08:00	01:00::00	54.0	56.5	48.9
17/09/2018 09:00	01:00::00	54.5	56.9	49.1
17/09/2018 10:00	01:00::00	55.3	57.7	51.2
17/09/2018 11:00	01:00::00	66.3	57.4	50.7
17/09/2018 12:00	01:00::00	55.3	58.1	49.8
17/09/2018 13:00	01:00::00	55.6	58.2	51.1
17/09/2018 14:00	01:00::00	54.4	56.6	50.5
17/09/2018 15:00	01:00::00	53.8	56.1	49.8
17/09/2018 16:00	01:00::00	54.3	56.4	50.4
17/09/2018 17:00	01:00::00	55.4	57.9	50.2
17/09/2018 18:00	01:00::00	54.8	58.0	47.8
17/09/2018 19:00	01:00::00	54.1	57.2	47.0
17/09/2018 20:00	01:00::00	53.3	56.6	46.7
17/09/2018 21:00	01:00::00	53.1	56.7	45.3



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
17/09/2018 22:00	01:00::00	49.7	53.9	38.4
17/09/2018 23:00	01:00::00	48.1	52.6	36.6
18/09/2018 00:00	01:00::00	47.1	51.5	33.6
18/09/2018 01:00	01:00::00	46.4	51.0	32.4
18/09/2018 02:00	01:00::00	48.3	52.1	39.5
18/09/2018 03:00	01:00::00	48.6	53.0	37.0
18/09/2018 04:00	01:00::00	50.2	54.4	36.5
18/09/2018 05:00	01:00::00	52.0	55.9	38.4
18/09/2018 06:00	01:00::00	53.8	57.0	45.3
18/09/2018 10:00	01:00::00	57.4	59.1	51.2
18/09/2018 11:00	01:00::00	55.6	58.1	50.2
18/09/2018 18:00	01:00::00	52.0	54.8	46.2
18/09/2018 19:00	01:00::00	50.7	53.6	44.0
18/09/2018 20:00	01:00::00	49.6	53.0	42.3
18/09/2018 21:00	01:00::00	49.4	53.1	40.0
18/09/2018 22:00	01:00::00	46.6	51.0	35.1
18/09/2018 23:00	01:00::00	43.9	48.2	32.7
19/09/2018 00:00	01:00::00	45.7	50.0	35.2
19/09/2018 01:00	01:00::00	45.0	48.5	35.8
19/09/2018 02:00	01:00::00	45.6	49.1	35.9



Measurement Start	Measurement duration (hh:mm:ss)	L <sub>Aeq,1h</sub>	L <sub>A10, 1h</sub>	L <sub>A90, 1h</sub>
19/09/2018 03:00	01:00::00	45.8	50.0	36.4
19/09/2018 04:00	01:00::00	46.0	50.2	35.0
19/09/2018 05:00	01:00::00	47.4	51.2	36.4
19/09/2018 06:00	01:00::00	51.0	54.1	43.0
19/09/2018 07:00	01:00::00	53.1	55.1	48.4