

Appendix D

Noise Calculations

Ambient Noise Measurement Data

ST 1

Freq Weight : A
 Time Weight : SLOW
 Level Range : 40-100
 Max dB : 77.2 - 2022/08/06 19:43:22
 Level Range : 40-100
 SEL : 99.5
 Leq : 68.9

No.s	Date	Time	(dB)				
1	2022/08/06	19:40:07	75.8	74.1	75.2	70.3	66.9
6	2022/08/06	19:40:22	67.4	69.6	70.0	70.0	71.6
11	2022/08/06	19:40:37	70.5	65.1	59.9	61.8	61.4
16	2022/08/06	19:40:52	63.4	66.4	62.7	61.4	63.8
21	2022/08/06	19:41:07	63.5	59.0	64.6	68.4	64.7
26	2022/08/06	19:41:22	59.2	60.1	60.1	60.4	61.2
31	2022/08/06	19:41:37	61.8	62.2	68.0	62.1	62.3
36	2022/08/06	19:41:52	60.8	62.0	59.3	62.4	59.8
41	2022/08/06	19:42:07	62.7	63.4	62.9	64.6	65.3
46	2022/08/06	19:42:22	66.4	62.3	59.8	61.3	60.8
51	2022/08/06	19:42:37	66.2	64.7	65.8	63.6	63.5
56	2022/08/06	19:42:52	64.8	66.5	64.5	63.9	62.9
61	2022/08/06	19:43:07	65.5	65.4	64.7	70.8	76.6
66	2022/08/06	19:43:22	73.0	69.1	66.2	66.1	69.9
71	2022/08/06	19:43:37	65.6	67.2	68.1	69.5	64.6
76	2022/08/06	19:43:52	66.4	63.9	66.7	63.0	61.1
81	2022/08/06	19:44:07	69.1	67.9	65.5	65.2	64.0
86	2022/08/06	19:44:22	64.1	65.7	69.3	70.6	70.2
91	2022/08/06	19:44:37	71.3	69.8	67.5	65.9	64.1
96	2022/08/06	19:44:52	64.2	67.6	68.3	65.8	70.3
101	2022/08/06	19:45:07	66.4	64.7	63.7	61.3	68.1
106	2022/08/06	19:45:22	65.8	73.5	66.7	62.2	59.8
111	2022/08/06	19:45:37	65.2	69.5	71.1	68.9	66.7
116	2022/08/06	19:45:52	63.6	63.5	66.3	66.1	69.9
121	2022/08/06	19:46:07	70.2	72.1	68.3	67.0	68.7
126	2022/08/06	19:46:22	68.5	68.4	66.4	65.7	66.6
131	2022/08/06	19:46:37	68.9	67.3	64.5	64.4	67.0
136	2022/08/06	19:46:52	69.4	67.4	68.3	69.8	69.1
141	2022/08/06	19:47:07	69.7	67.3	70.1	68.6	67.1
146	2022/08/06	19:47:22	68.9	66.9	71.3	69.4	67.5
151	2022/08/06	19:47:37	67.9	66.8	70.0	68.8	66.9
156	2022/08/06	19:47:52	67.9	65.6	70.1	70.4	67.9
161	2022/08/06	19:48:07	69.2	68.2	70.6	71.8	72.8
166	2022/08/06	19:48:22	72.8	75.1	68.9	69.3	69.7
171	2022/08/06	19:48:37	67.8	68.7	70.2	71.1	71.3
176	2022/08/06	19:48:52	70.5	71.3	69.1	67.9	68.2
181	2022/08/06	19:49:07	67.4	69.0	68.7	66.5	70.3
186	2022/08/06	19:49:22	68.2	70.3	68.4	71.2	72.1
191	2022/08/06	19:49:37	70.8	73.2	72.5	70.5	68.7
196	2022/08/06	19:49:52	71.6	69.8	70.9	70.3	70.6
201	2022/08/06	19:50:07	70.6	69.8	69.0	70.2	70.6
206	2022/08/06	19:50:22	73.2	68.4	73.2	70.2	70.1
211	2022/08/06	19:50:37	71.0	70.2	74.1	73.4	71.3
216	2022/08/06	19:50:52	71.9	70.6	69.9	71.5	71.2
221	2022/08/06	19:51:07	72.5	70.5	65.0	66.2	67.6
226	2022/08/06	19:51:22	61.8	75.7	69.9	66.7	66.1
231	2022/08/06	19:51:37	62.7	61.7	63.7	70.4	65.5
236	2022/08/06	19:51:52	65.6	67.1	66.6	65.3	66.8
241	2022/08/06	19:52:07	65.9	65.7	68.6	68.1	70.1
246	2022/08/06	19:52:22	69.0	68.5	68.8	71.5	73.6
251	2022/08/06	19:52:37	69.9	68.4	69.0	67.0	66.0
256	2022/08/06	19:52:52	66.7	69.1	73.2	69.6	70.1
261	2022/08/06	19:53:07	70.7	73.9	70.2	68.1	70.3
266	2022/08/06	19:53:22	69.9	68.7	69.3	70.1	70.6
271	2022/08/06	19:53:37	71.3	70.5	68.0	70.7	67.4
276	2022/08/06	19:53:52	66.8	69.8	72.0	68.2	70.3
281	2022/08/06	19:54:07	71.3	69.7	70.3	69.2	68.9
286	2022/08/06	19:54:22	70.1	67.2	67.4	64.5	65.3
291	2022/08/06	19:54:37	68.1	68.9	67.3	68.6	68.9
296	2022/08/06	19:54:52	68.1	65.3	61.5	64.2	63.6

ST 2

Freq Weight : A
 Time Weight : SLOW
 Level Range : 40-100
 Max dB : 74.1 - 2022/08/06 20:05:52
 Level Range : 40-100
 SEL : 91.4
 Leq : 61.9

No. s	Date Time	(dB)				
1	2022/08/06 19:59:16	59.0	56.9	54.4	53.0	51.1
6	2022/08/06 19:59:31	49.9	48.9	48.2	51.0	58.1
11	2022/08/06 19:59:46	58.6	59.5	59.2	60.0	63.2
16	2022/08/06 20:00:01	61.0	60.4	61.9	60.6	64.0
21	2022/08/06 20:00:16	61.1	60.6	62.3	60.7	63.1
26	2022/08/06 20:00:31	64.0	62.4	60.5	62.3	63.5
31	2022/08/06 20:00:46	63.6	62.3	60.0	61.0	61.4
36	2022/08/06 20:01:01	61.7	61.6	60.7	62.6	62.1
41	2022/08/06 20:01:16	61.1	61.5	62.7	63.7	64.1
46	2022/08/06 20:01:31	62.5	59.9	61.1	63.3	63.5
51	2022/08/06 20:01:46	61.8	60.4	65.4	62.8	61.9
56	2022/08/06 20:02:01	62.7	61.3	64.3	61.4	63.0
61	2022/08/06 20:02:16	61.4	62.4	63.3	61.2	62.2
66	2022/08/06 20:02:31	61.7	63.4	62.3	61.0	63.3
71	2022/08/06 20:02:46	61.2	61.8	60.6	61.7	61.6
76	2022/08/06 20:03:01	61.4	62.6	61.5	62.1	62.6
81	2022/08/06 20:03:16	62.9	62.3	60.9	61.5	55.2
86	2022/08/06 20:03:31	52.1	51.5	56.5	55.7	60.4
91	2022/08/06 20:03:46	63.4	63.6	60.0	61.3	62.6
96	2022/08/06 20:04:01	65.0	64.0	59.9	58.9	60.7
101	2022/08/06 20:04:16	60.6	62.7	61.3	63.3	61.4
106	2022/08/06 20:04:31	62.0	60.5	61.1	63.2	60.3
111	2022/08/06 20:04:46	62.4	63.5	63.0	61.3	66.2
116	2022/08/06 20:05:01	64.3	64.6	63.7	65.7	62.7
121	2022/08/06 20:05:16	61.8	61.4	61.2	63.6	62.7
126	2022/08/06 20:05:31	64.5	62.1	61.7	63.8	65.6
131	2022/08/06 20:05:46	62.5	70.9	66.8	63.4	62.8
136	2022/08/06 20:06:01	61.3	60.9	61.8	62.1	61.4
141	2022/08/06 20:06:16	61.5	62.9	61.8	62.8	62.5
146	2022/08/06 20:06:31	61.4	62.6	62.2	60.6	61.5
151	2022/08/06 20:06:46	61.3	63.0	61.5	63.3	61.8
156	2022/08/06 20:07:01	62.2	63.6	62.0	63.3	62.1
161	2022/08/06 20:07:16	61.3	63.3	65.5	63.7	62.7
166	2022/08/06 20:07:31	64.2	62.4	62.9	62.2	61.6
171	2022/08/06 20:07:46	62.4	64.4	62.3	60.0	59.3
176	2022/08/06 20:08:01	58.9	60.6	56.4	55.2	58.0
181	2022/08/06 20:08:16	55.1	60.9	61.9	56.8	56.1
186	2022/08/06 20:08:31	57.9	58.0	57.4	57.1	56.5
191	2022/08/06 20:08:46	58.6	58.1	58.5	59.3	57.1
196	2022/08/06 20:09:01	59.2	59.1	60.7	60.2	62.2
201	2022/08/06 20:09:16	64.1	63.4	63.1	63.1	62.9
206	2022/08/06 20:09:31	63.3	63.5	62.5	63.7	62.9
211	2022/08/06 20:09:46	64.4	64.3	63.9	62.7	61.9
216	2022/08/06 20:10:01	62.6	62.1	62.4	61.6	62.0
221	2022/08/06 20:10:16	62.5	62.1	62.9	62.4	61.8
226	2022/08/06 20:10:31	61.7	62.2	63.9	63.1	64.0
231	2022/08/06 20:10:46	62.0	61.3	61.5	62.3	63.3
236	2022/08/06 20:11:01	63.3	63.5	64.0	62.8	63.2
241	2022/08/06 20:11:16	62.0	62.2	61.9	62.7	63.5
246	2022/08/06 20:11:31	62.1	63.3	61.8	61.2	61.9
251	2022/08/06 20:11:46	62.1	62.6	62.5	62.8	62.5
256	2022/08/06 20:12:01	63.7	63.3	62.4	62.1	61.8
261	2022/08/06 20:12:16	62.3	64.3	62.9	64.4	62.3
266	2022/08/06 20:12:31	61.6	62.7	62.7	61.5	62.9
271	2022/08/06 20:12:46	62.6	62.1	60.2	55.4	60.0
276	2022/08/06 20:13:01	61.0	58.1	53.8	53.3	51.8
281	2022/08/06 20:13:16	53.5	54.9	58.4	59.9	55.5
286	2022/08/06 20:13:31	53.2	52.6	55.2	57.1	59.5
291	2022/08/06 20:13:46	60.1	61.7	61.7	61.9	61.7
296	2022/08/06 20:14:01	61.5	62.3	62.0	61.8	61.4

ST 3

Freq Weight : A
 Time Weight : SLOW
 Level Range : 40-100
 Max dB : 73.4 - 2022/08/06 20:27:00
 Level Range : 40-100
 SEL : 96.2
 Leq : 66.7

No.s	Date Time	(dB)				
1	2022/08/06 20:20:43	63.9	65.9	63.8	64.3	66.3
6	2022/08/06 20:20:58	68.6	64.9	64.8	66.3	66.2
11	2022/08/06 20:21:13	65.6	64.0	63.7	65.6	69.2
16	2022/08/06 20:21:28	67.0	62.6	63.8	62.4	62.9
21	2022/08/06 20:21:43	58.6	62.7	64.5	60.1	66.8
26	2022/08/06 20:21:58	63.1	61.4	63.9	62.2	62.9
31	2022/08/06 20:22:13	59.7	64.6	64.8	61.6	60.0
36	2022/08/06 20:22:28	60.6	55.6	58.4	61.7	62.8
41	2022/08/06 20:22:43	61.6	62.4	64.5	64.0	64.3
46	2022/08/06 20:22:58	66.6	64.4	65.7	68.0	65.7
51	2022/08/06 20:23:13	68.4	66.9	68.3	65.3	67.3
56	2022/08/06 20:23:28	65.4	64.5	66.6	66.6	64.1
61	2022/08/06 20:23:43	61.4	61.4	65.3	64.7	64.6
66	2022/08/06 20:23:58	66.7	67.7	64.7	65.0	66.6
71	2022/08/06 20:24:13	67.7	66.1	68.6	67.4	67.8
76	2022/08/06 20:24:28	69.4	67.0	68.9	66.9	69.1
81	2022/08/06 20:24:43	68.9	69.7	69.6	66.2	66.5
86	2022/08/06 20:24:58	68.3	69.6	67.6	66.3	68.1
91	2022/08/06 20:25:13	70.9	67.2	63.9	63.3	64.4
96	2022/08/06 20:25:28	65.7	64.3	65.4	65.0	65.7
101	2022/08/06 20:25:43	68.0	69.4	67.8	66.7	66.9
106	2022/08/06 20:25:58	65.9	68.7	67.9	69.0	70.9
111	2022/08/06 20:26:13	68.8	67.5	69.5	69.8	67.3
116	2022/08/06 20:26:28	67.8	69.4	72.0	69.7	70.3
121	2022/08/06 20:26:43	70.2	70.6	69.1	70.7	70.1
126	2022/08/06 20:26:58	72.6	68.6	69.5	70.4	68.9
131	2022/08/06 20:27:13	68.0	69.7	70.4	70.6	68.3
136	2022/08/06 20:27:28	70.4	69.0	67.2	69.3	67.2
141	2022/08/06 20:27:43	62.9	60.2	63.8	59.8	67.5
146	2022/08/06 20:27:58	61.9	66.8	64.0	61.3	63.6
151	2022/08/06 20:28:13	58.4	60.8	63.5	59.6	60.9
156	2022/08/06 20:28:28	60.8	61.9	61.9	60.7	61.8
161	2022/08/06 20:28:43	62.6	62.4	62.2	63.6	65.7
166	2022/08/06 20:28:58	66.4	65.0	64.9	65.1	65.4
171	2022/08/06 20:29:13	66.5	65.4	64.8	66.2	65.5
176	2022/08/06 20:29:28	66.9	67.5	67.4	66.9	65.0
181	2022/08/06 20:29:43	63.7	65.9	64.4	61.9	66.8
186	2022/08/06 20:29:58	65.6	65.3	66.4	63.1	66.7
191	2022/08/06 20:30:13	65.3	68.4	65.9	67.2	65.1
196	2022/08/06 20:30:28	65.3	65.4	67.7	69.4	68.3
201	2022/08/06 20:30:43	68.9	67.2	68.4	68.2	69.7
206	2022/08/06 20:30:58	70.0	66.0	65.3	64.7	65.8
211	2022/08/06 20:31:13	63.2	64.9	65.8	65.5	65.8
216	2022/08/06 20:31:28	66.7	66.3	64.4	67.7	70.0
221	2022/08/06 20:31:43	68.7	67.5	67.8	66.9	67.0
226	2022/08/06 20:31:58	69.1	68.5	69.0	69.2	69.0
231	2022/08/06 20:32:13	69.5	67.9	66.7	70.9	70.3
236	2022/08/06 20:32:28	71.3	68.7	68.9	68.1	68.1
241	2022/08/06 20:32:43	68.2	69.3	69.6	69.4	70.1
246	2022/08/06 20:32:58	68.9	69.1	69.2	69.7	68.1
251	2022/08/06 20:33:13	70.0	69.9	67.7	66.5	68.6
256	2022/08/06 20:33:28	70.1	64.8	66.9	67.9	63.8
261	2022/08/06 20:33:43	63.8	63.2	64.8	65.3	63.6
266	2022/08/06 20:33:58	58.7	59.7	61.1	64.6	62.1
271	2022/08/06 20:34:13	62.8	64.5	61.1	62.0	61.4
276	2022/08/06 20:34:28	61.8	65.3	64.8	64.8	65.8
281	2022/08/06 20:34:43	65.0	62.6	62.6	61.8	61.8
286	2022/08/06 20:34:58	63.1	62.0	62.2	63.2	64.2
291	2022/08/06 20:35:13	62.1	64.2	64.4	62.4	64.5
296	2022/08/06 20:35:28	63.7	65.4	66.2	65.9	65.0

ST 4

Freq Weight : A
 Time Weight : SLOW
 Level Range : 40-100
 Max dB : 67.7 - 2022/08/06 21:03:09
 Level Range : 40-100
 SEL : 79.7
 Leq : 50.2

No. s	Date Time	(dB)					
1	2022/08/06 20:52:26	49.4	47.0	44.4	42.5	42.6	
6	2022/08/06 20:52:41	43.4	42.6	42.2	41.8	41.3	
11	2022/08/06 20:52:56	42.1	42.2	43.2	41.5	41.9	
16	2022/08/06 20:53:11	41.6	41.9	41.7	42.0	42.1	
21	2022/08/06 20:53:26	42.0	42.4	42.1	43.4	51.9	
26	2022/08/06 20:53:41	52.2	47.5	43.0	41.2	42.5	
31	2022/08/06 20:53:56	42.4	51.3	47.3	43.9	42.2	
36	2022/08/06 20:54:11	41.9	43.2	42.5	42.3	40.7	
41	2022/08/06 20:54:26	40.5	41.0	41.7	42.8	41.8	
46	2022/08/06 20:54:41	41.7	41.3	41.5	41.0	42.3	
51	2022/08/06 20:54:56	42.1	42.4	42.3	42.3	43.8	
56	2022/08/06 20:55:11	51.4	44.2	43.4	42.1	42.5	
61	2022/08/06 20:55:26	44.1	46.1	44.8	46.9	46.9	
66	2022/08/06 20:55:41	47.0	46.3	43.4	44.4	44.5	
71	2022/08/06 20:55:56	43.2	42.8	42.4	42.5	43.3	
76	2022/08/06 20:56:11	45.0	44.4	43.5	43.6	43.5	
81	2022/08/06 20:56:26	42.7	42.5	42.7	43.5	45.9	
86	2022/08/06 20:56:41	48.0	46.4	49.0	46.6	44.0	
91	2022/08/06 20:56:56	42.5	43.0	44.9	46.0	48.3	
96	2022/08/06 20:57:11	44.3	48.9	53.8	49.4	45.7	
101	2022/08/06 20:57:26	53.3	46.3	43.8	44.6	44.2	
106	2022/08/06 20:57:41	47.8	44.5	44.0	42.6	42.6	
111	2022/08/06 20:57:56	43.5	42.7	42.2	41.1	41.7	
116	2022/08/06 20:58:11	43.3	41.5	43.0	42.2	42.0	
121	2022/08/06 20:58:26	42.6	43.7	45.2	46.9	54.5	
126	2022/08/06 20:58:41	65.6	57.1	50.6	46.0	44.7	
131	2022/08/06 20:58:56	44.0	43.0	42.6	42.2	44.8	
136	2022/08/06 20:59:11	43.5	42.9	42.9	43.2	42.1	
141	2022/08/06 20:59:26	41.2	43.3	42.2	41.7	42.4	
146	2022/08/06 20:59:41	41.9	42.4	42.7	42.7	43.4	
151	2022/08/06 20:59:56	43.4	44.2	42.8	43.1	43.9	
156	2022/08/06 21:00:11	43.9	47.1	45.7	45.0	46.1	
161	2022/08/06 21:00:26	47.5	50.8	55.0	52.5	47.4	
166	2022/08/06 21:00:41	44.4	43.7	42.5	43.9	43.9	
171	2022/08/06 21:00:56	44.6	42.9	42.5	42.1	41.6	
176	2022/08/06 21:01:11	42.5	43.4	45.2	46.6	44.5	
181	2022/08/06 21:01:26	45.8	43.5	44.6	45.6	42.2	
186	2022/08/06 21:01:41	44.0	46.3	47.7	46.8	45.4	
191	2022/08/06 21:01:56	43.1	42.0	41.7	42.8	43.6	
196	2022/08/06 21:02:11	42.5	55.8	46.5	50.9	47.7	
201	2022/08/06 21:02:26	45.0	45.2	47.8	44.6	43.6	
206	2022/08/06 21:02:41	43.9	44.6	50.0	50.3	51.2	
211	2022/08/06 21:02:56	57.1	64.0	58.0	63.7	63.8	
216	2022/08/06 21:03:11	55.9	52.1	49.4	51.0	48.9	
221	2022/08/06 21:03:26	51.5	56.6	53.2	49.4	48.2	
226	2022/08/06 21:03:41	45.4	44.8	45.3	46.8	50.4	
231	2022/08/06 21:03:56	62.1	59.4	52.1	47.4	44.6	
236	2022/08/06 21:04:11	44.0	43.4	42.7	43.4	43.3	
241	2022/08/06 21:04:26	44.0	42.7	42.4	41.7	41.4	
246	2022/08/06 21:04:41	41.8	42.5	41.7	43.0	43.4	
251	2022/08/06 21:04:56	44.2	47.3	50.1	49.1	53.1	
256	2022/08/06 21:05:11	58.8	55.9	49.4	44.0	42.8	
261	2022/08/06 21:05:26	43.6	44.0	44.2	45.0	46.5	
266	2022/08/06 21:05:41	49.1	56.3	62.0	57.3	50.5	
271	2022/08/06 21:05:56	45.9	45.2	43.6	42.7	42.6	
276	2022/08/06 21:06:11	42.7	42.0	42.0	41.8	41.9	
281	2022/08/06 21:06:26	41.8	40.1	40.6	40.7	41.5	
286	2022/08/06 21:06:41	41.3	41.7	42.4	44.3	46.8	
291	2022/08/06 21:06:56	48.9	48.3	46.7	45.7	47.1	
296	2022/08/06 21:07:11	47.4	46.7	50.1	44.3	41.5	

ST 5

Freq Weight : A
 Time Weight : SLOW
 Level Range : 40-100
 Max dB : 60.1 - 2022/08/06 21:22:39
 Level Range : 40-100
 SEL : 75.9
 Leq : 46.4

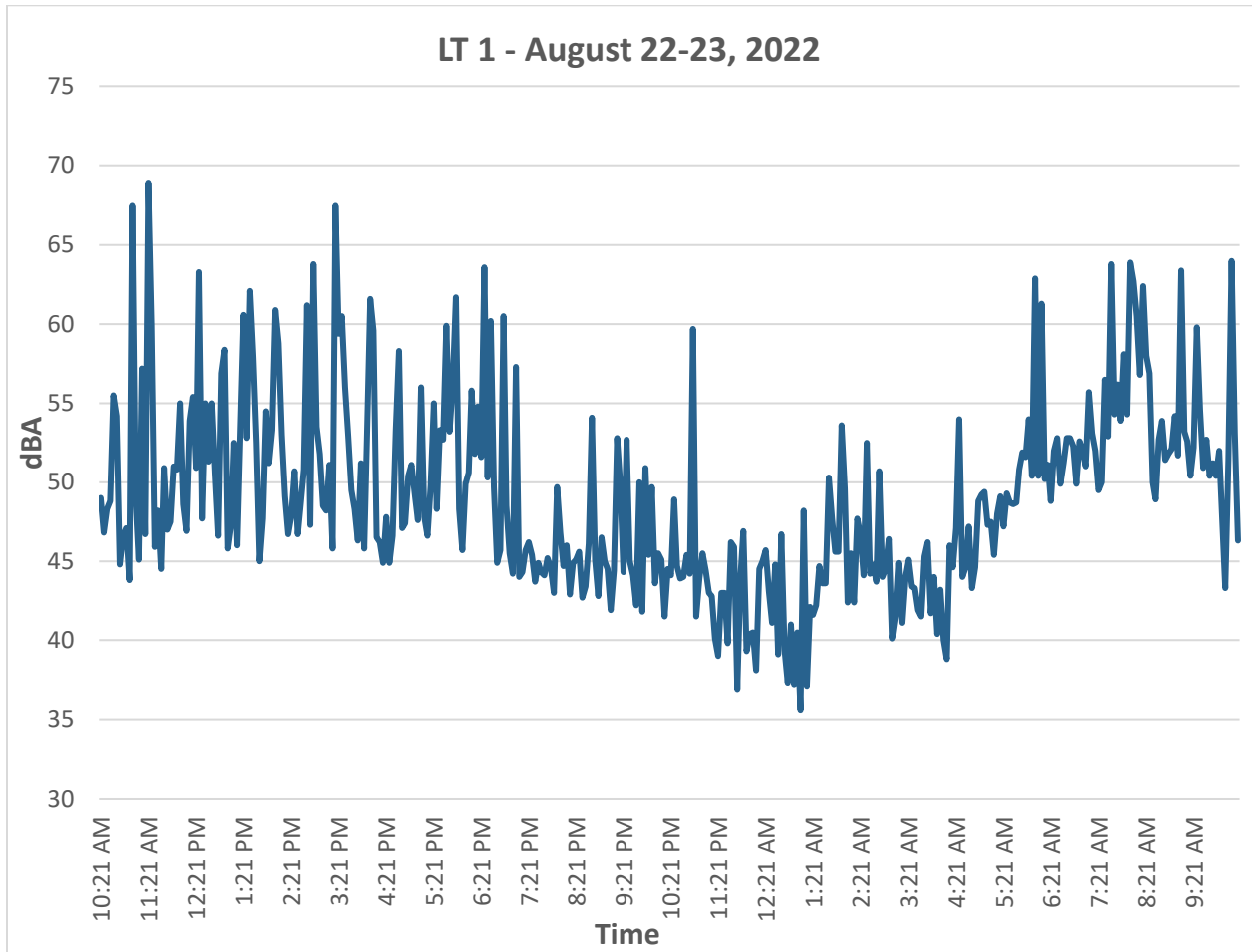
No.s	Date Time	(dB)					
1	2022/08/06 21:10:01	44.2	47.4	59.3	53.0	47.0	
6	2022/08/06 21:10:16	46.1	54.3	45.0	41.9	42.3	
11	2022/08/06 21:10:31	42.7	42.8	42.1	41.6	41.1	
16	2022/08/06 21:10:46	44.8	43.2	44.8	44.5	44.0	
21	2022/08/06 21:11:01	44.5	44.7	44.1	43.7	44.8	
26	2022/08/06 21:11:16	47.0	45.3	44.2	42.8	43.0	
31	2022/08/06 21:11:31	43.2	43.0	42.6	41.8	41.1	
36	2022/08/06 21:11:46	41.0	42.4	42.2	43.2	43.5	
41	2022/08/06 21:12:01	42.9	43.1	45.1	45.0	43.4	
46	2022/08/06 21:12:16	42.2	41.9	42.4	42.5	43.8	
51	2022/08/06 21:12:31	43.2	43.5	43.3	43.1	42.8	
56	2022/08/06 21:12:46	43.2	43.5	45.9	54.5	50.3	
61	2022/08/06 21:13:01	46.6	46.9	47.6	47.0	46.3	
66	2022/08/06 21:13:16	44.6	43.6	43.7	43.4	43.4	
71	2022/08/06 21:13:31	43.7	44.3	44.3	43.5	44.8	
76	2022/08/06 21:13:46	48.0	52.4	50.0	46.0	44.7	
81	2022/08/06 21:14:01	45.6	47.1	50.2	50.2	45.5	
86	2022/08/06 21:14:16	45.1	45.8	44.4	44.3	43.4	
91	2022/08/06 21:14:31	43.8	45.5	44.1	44.3	45.0	
96	2022/08/06 21:14:46	43.5	43.3	42.8	42.4	42.7	
101	2022/08/06 21:15:01	43.4	42.7	42.4	42.7	43.5	
106	2022/08/06 21:15:16	44.2	44.6	43.9	43.1	42.5	
111	2022/08/06 21:15:31	42.5	42.6	42.9	42.7	42.8	
116	2022/08/06 21:15:46	42.9	44.3	43.4	42.9	43.3	
121	2022/08/06 21:16:01	43.3	43.8	43.1	43.5	44.3	
126	2022/08/06 21:16:16	46.1	46.2	50.3	52.8	46.8	
131	2022/08/06 21:16:31	44.1	51.3	51.1	46.3	44.2	
136	2022/08/06 21:16:46	43.8	43.4	44.8	44.9	44.5	
141	2022/08/06 21:17:01	43.4	43.3	42.6	42.5	43.1	
146	2022/08/06 21:17:16	43.5	43.5	43.3	42.9	43.0	
151	2022/08/06 21:17:31	43.6	43.4	44.8	44.8	44.8	
156	2022/08/06 21:17:46	44.5	43.2	43.4	45.3	45.2	
161	2022/08/06 21:18:01	43.5	42.8	44.1	44.6	44.5	
166	2022/08/06 21:18:16	44.0	44.6	45.5	45.8	43.7	
171	2022/08/06 21:18:31	43.4	43.8	45.1	44.7	45.0	
176	2022/08/06 21:18:46	48.0	53.5	48.0	44.2	43.8	
181	2022/08/06 21:19:01	43.6	43.2	43.9	46.0	44.4	
186	2022/08/06 21:19:16	44.2	43.8	43.2	42.5	42.8	
191	2022/08/06 21:19:31	42.8	43.2	42.9	43.9	43.0	
196	2022/08/06 21:19:46	43.1	43.7	43.5	45.9	56.6	
201	2022/08/06 21:20:01	53.1	48.3	44.9	44.0	44.0	
206	2022/08/06 21:20:16	43.1	43.0	42.8	42.6	43.4	
211	2022/08/06 21:20:31	47.5	58.9	53.4	48.4	49.0	
216	2022/08/06 21:20:46	46.6	49.7	48.6	46.4	48.5	
221	2022/08/06 21:21:01	52.1	48.6	46.0	44.6	43.4	
226	2022/08/06 21:21:16	41.8	42.7	43.0	44.0	43.7	
231	2022/08/06 21:21:31	43.4	42.4	42.9	43.2	43.5	
236	2022/08/06 21:21:46	42.3	43.2	43.2	43.1	42.4	
241	2022/08/06 21:22:01	44.4	42.6	42.6	42.5	42.5	
246	2022/08/06 21:22:16	43.2	42.7	42.8	42.7	47.3	
251	2022/08/06 21:22:31	46.9	54.2	60.0	53.1	47.5	
256	2022/08/06 21:22:46	45.3	43.7	44.7	43.6	44.2	
261	2022/08/06 21:23:01	49.2	51.6	52.2	46.3	43.8	
266	2022/08/06 21:23:16	42.9	43.2	42.8	42.0	42.8	
271	2022/08/06 21:23:31	42.5	43.6	42.9	43.1	43.9	
276	2022/08/06 21:23:46	44.7	44.7	45.4	44.8	43.5	
281	2022/08/06 21:24:01	43.2	44.5	43.9	44.1	45.3	
286	2022/08/06 21:24:16	42.7	41.9	41.0	41.2	42.6	
291	2022/08/06 21:24:31	43.7	43.5	42.8	42.5	43.0	
296	2022/08/06 21:24:46	43.1	43.8	43.0	44.4	45.0	

LT 1

Freq weight : A
 Time weight : SLOW
 Level Range : 40-100
 Max dB : 91.3 - 2022/08/22 17:17:40
 Level Range : 40-100
 SEL : 119.3
 Leq : 54.3

No. s	Date Time	(dB)				
1	2022/08/22 10:21:15	49.0	46.8	48.3	48.8	55.5
6	2022/08/22 10:41:15	54.2	44.8	46.6	47.1	43.8
11	2022/08/22 11:01:15	67.5	49.1	45.1	57.2	46.7
16	2022/08/22 11:21:15	68.9	59.9	45.9	48.2	44.5
21	2022/08/22 11:41:15	50.9	47.0	47.5	51.0	50.8
26	2022/08/22 12:01:15	55.0	48.6	46.9	53.9	55.4
31	2022/08/22 12:21:15	50.9	63.3	47.7	55.0	51.3
36	2022/08/22 12:41:15	55.0	50.6	46.6	56.9	58.4
41	2022/08/22 13:01:15	45.8	47.3	52.5	46.0	53.4
46	2022/08/22 13:21:15	60.6	52.8	62.1	57.9	52.5
51	2022/08/22 13:41:15	45.0	47.7	54.5	51.2	53.3
56	2022/08/22 14:01:15	60.9	58.8	53.0	49.1	46.7
61	2022/08/22 14:21:15	47.9	50.7	46.7	48.6	50.8
66	2022/08/22 14:41:15	61.2	47.3	63.8	53.5	51.8
71	2022/08/22 15:01:15	48.5	48.2	51.1	45.8	67.5
76	2022/08/22 15:21:15	59.4	60.5	56.0	52.9	49.5
81	2022/08/22 15:41:15	48.3	46.3	51.2	45.8	54.0
86	2022/08/22 16:01:15	61.6	59.6	46.5	46.2	44.9
91	2022/08/22 16:21:15	47.8	44.9	46.6	53.3	58.3
96	2022/08/22 16:41:15	47.1	47.4	50.4	51.1	49.3
101	2022/08/22 17:01:15	47.6	56.0	47.8	46.6	49.8
106	2022/08/22 17:21:15	55.0	48.3	53.3	52.7	59.9
111	2022/08/22 17:41:15	53.2	56.2	61.7	48.3	45.7
116	2022/08/22 18:01:15	49.9	50.6	55.8	51.8	54.8
121	2022/08/22 18:21:15	51.6	63.6	50.3	60.2	49.7
126	2022/08/22 18:41:15	44.9	45.7	60.5	48.5	45.5
131	2022/08/22 19:01:15	44.2	57.3	44.0	44.3	45.7
136	2022/08/22 19:21:15	46.2	45.4	43.7	44.9	44.3
141	2022/08/22 19:41:15	44.1	45.2	44.6	43.0	49.7
146	2022/08/22 20:01:15	46.8	44.7	46.0	42.9	44.9
151	2022/08/22 20:21:15	45.1	45.6	42.7	43.4	46.1
156	2022/08/22 20:41:15	54.1	45.1	42.8	46.5	45.0
161	2022/08/22 21:01:15	44.5	41.9	44.4	52.8	49.8
166	2022/08/22 21:21:15	44.3	52.7	45.0	44.1	42.2
171	2022/08/22 21:41:15	50.0	41.8	50.9	45.4	49.7
176	2022/08/22 22:01:15	43.6	45.5	45.1	41.5	44.5
181	2022/08/22 22:21:15	44.1	48.9	44.7	43.9	44.0
186	2022/08/22 22:41:15	45.4	44.2	59.7	41.5	43.9
191	2022/08/22 23:01:15	45.5	44.4	43.0	42.8	40.1
196	2022/08/22 23:21:15	39.0	43.0	43.0	39.8	46.2
201	2022/08/22 23:41:15	45.9	36.9	44.0	46.9	39.3
206	2022/08/23 00:01:15	40.4	40.5	38.1	44.5	45.0
211	2022/08/23 00:21:15	45.7	43.1	41.1	44.8	39.1
216	2022/08/23 00:41:15	46.7	39.4	37.3	41.0	37.2
221	2022/08/23 01:01:15	40.5	35.6	48.2	37.1	42.1
226	2022/08/23 01:21:15	41.6	42.2	44.7	43.6	43.6
231	2022/08/23 01:41:15	50.3	47.7	45.6	45.6	53.6
236	2022/08/23 02:01:15	49.6	42.4	45.5	42.4	47.7
241	2022/08/23 02:21:15	46.7	44.1	52.5	44.2	44.8
246	2022/08/23 02:41:15	43.7	50.7	44.0	44.5	46.4
251	2022/08/23 03:01:15	40.1	41.5	44.9	41.1	44.0
256	2022/08/23 03:21:15	45.1	43.4	43.3	41.9	41.5
261	2022/08/23 03:41:15	45.3	46.2	41.7	44.0	40.4
266	2022/08/23 04:01:15	43.2	40.0	38.8	46.0	44.6
271	2022/08/23 04:21:15	47.1	54.0	44.0	44.6	47.2
276	2022/08/23 04:41:15	43.3	44.6	48.8	49.2	49.4
281	2022/08/23 05:01:15	47.3	47.5	45.4	48.0	49.1
286	2022/08/23 05:21:15	47.2	49.3	48.7	48.6	48.7
291	2022/08/23 05:41:15	50.8	51.9	51.6	54.0	50.4
296	2022/08/23 06:01:15	62.9	50.4	61.3	50.2	51.1
301	2022/08/23 06:21:15	48.8	52.0	52.8	49.9	51.2
306	2022/08/23 06:41:15	52.8	52.8	52.3	49.9	52.6
311	2022/08/23 07:01:15	52.0	51.0	55.7	53.1	52.0
316	2022/08/23 07:21:15	49.5	50.0	56.5	52.9	63.8
321	2022/08/23 07:41:15	54.3	56.2	53.9	58.1	54.3
326	2022/08/23 08:01:15	63.9	62.7	60.5	56.8	62.4
331	2022/08/23 08:21:15	58.0	56.9	50.0	48.9	52.7
336	2022/08/23 08:41:15	53.9	51.4	51.8	52.1	54.2
341	2022/08/23 09:01:15	51.7	63.4	53.2	52.6	50.4
346	2022/08/23 09:21:15	52.2	59.8	54.6	50.9	52.7
351	2022/08/23 09:41:15	50.4	51.2	50.4	52.0	47.9
356	2022/08/23 10:01:15	43.3	51.5	64.0	53.1	46.3

Long-Term Noise Measurement (LT) 1 Graph



Special Events Noise Modeling

From center of band shell	Hourly Leq				Notes
	L1	Distance (ft)	L2	Distance (ft)	
St. Mary Magdalen Chapel	61.9	265	64.3	200	ST-2 ref used (behind band shell)
St. Mary School	61.9	265	63.1	230	ST-2 ref used (behind band shell)
Holly Dr - MFR	68.9	310	68.9	310	ST-1 ref used
Glenn Dr - SF	68.9	310	68.1	340	ST-1 ref used
Chapel Dr - SF Residential	68.9	310	66.8	395	ST-1 ref used

Single Family Residential-Chapel Drive

Day	Date	Time	Duration	Leq	Energy	Leq (hr)	Energy+Penalty	CNEL
								24-Hr CNEL 63
								Min => 43
								Max => 67
Tuesday	2022-08-22	10:21:00	01:00:00.0	57.0	501187.2	57	501187.2336	
Tuesday	2022-08-22	11:21:00	01:00:00.0	58.0	630957.3	58	630957.3445	
Tuesday	2022-08-22	12:21:00	01:00:00.0	55.0	316227.8	55	316227.766	
Tuesday	2022-08-22	13:21:00	01:00:00.0	57.0	501187.2	57	501187.2336	
Tuesday	2022-08-22	14:21:00	01:00:00.0	58.0	630957.3	58	630957.3445	
Tuesday	2022-08-22	15:21:00	01:00:00.0	56.0	398107.2	56	398107.1706	
Tuesday	2022-08-22	16:21:00	01:00:00.0	51.0	125892.5	51	125892.5412	
Tuesday	2022-08-22	17:21:00	01:00:00.0	55.0	316227.8	55	316227.766	
Tuesday	2022-08-22	18:21:00	01:00:00.0	67.0	501187.2	67	501187.2336	
Tuesday	2022-08-22	19:21:00	01:00:00.0	67.0	501187.2	67	15848931.92	
Tuesday	2022-08-22	20:21:00	01:00:00.0	67.0	501187.2	67	15848931.92	
Tuesday	2022-08-22	21:21:00	01:00:00.0	47.0	50118.72	47	158489.3192	
Tuesday	2022-08-22	22:21:00	01:00:00.0	49.0	79432.82	49	794328.2347	
Tuesday	2022-08-22	23:21:00	01:00:00.0	43.0	19952.62	43	199526.2315	
Tuesday	2022-08-23	00:21:00	01:00:00.0	43.0	19952.62	43	199526.2315	
Tuesday	2022-08-23	01:21:00	01:00:00.0	47.0	50118.72	47	501187.2336	
Tuesday	2022-08-23	02:21:00	01:00:00.0	46.0	39810.72	46	398107.1706	
Tuesday	2022-08-23	03:21:00	01:00:00.0	44.0	25118.86	44	251188.6432	
Tuesday	2022-08-23	04:21:00	01:00:00.0	48.0	63095.73	48	630957.3445	
Tuesday	2022-08-23	05:21:00	01:00:00.0	55.0	316227.8	55	316227.766	
Tuesday	2022-08-23	06:21:00	01:00:00.0	52.0	158489.3	52	1584893.192	
Tuesday	2022-08-23	07:21:00	01:00:00.0	59.0	794328.2	59	794328.2347	
Tuesday	2022-08-23	08:21:00	01:00:00.0	55.0	316227.8	55	316227.766	
Tuesday	2022-08-23	09:21:00	01:00:00.0	55.0	316227.8	55	316227.766	

Multi Family Residential - Holly Drive

Day	Date	Time	Duration	Leq	Energy	Leq (hr)	Energy+Penalty	CNEL
								24-Hr CNEL 65
								Min => 43
								Max => 69
Tuesday	2022-08-22	10:21:00	01:00:00.0	57.0	501187.2	57	501187.2336	
Tuesday	2022-08-22	11:21:00	01:00:00.0	58.0	630957.3	58	630957.3445	
Tuesday	2022-08-22	12:21:00	01:00:00.0	55.0	316227.8	55	316227.766	
Tuesday	2022-08-22	13:21:00	01:00:00.0	57.0	501187.2	57	501187.2336	
Tuesday	2022-08-22	14:21:00	01:00:00.0	58.0	630957.3	58	630957.3445	
Tuesday	2022-08-22	15:21:00	01:00:00.0	56.0	398107.2	56	398107.1706	
Tuesday	2022-08-22	16:21:00	01:00:00.0	51.0	125892.5	51	125892.5412	
Tuesday	2022-08-22	17:21:00	01:00:00.0	55.0	316227.8	55	316227.766	
Tuesday	2022-08-22	18:21:00	01:00:00.0	69.0	7943282	69	7943282.347	
Tuesday	2022-08-22	19:21:00	01:00:00.0	69.0	7943282	69	25118864.32	
Tuesday	2022-08-22	20:21:00	01:00:00.0	69.0	7943282	69	25118864.32	
Tuesday	2022-08-22	21:21:00	01:00:00.0	47.0	50118.72	47	158489.3192	
Tuesday	2022-08-22	22:21:00	01:00:00.0	49.0	79432.82	49	794328.2347	
Tuesday	2022-08-22	23:21:00	01:00:00.0	43.0	19952.62	43	199526.2315	
Tuesday	2022-08-23	00:21:00	01:00:00.0	43.0	19952.62	43	199526.2315	
Tuesday	2022-08-23	01:21:00	01:00:00.0	47.0	50118.72	47	501187.2336	
Tuesday	2022-08-23	02:21:00	01:00:00.0	46.0	39810.72	46	398107.1706	
Tuesday	2022-08-23	03:21:00	01:00:00.0	44.0	25118.86	44	251188.6432	
Tuesday	2022-08-23	04:21:00	01:00:00.0	48.0	63095.73	48	630957.3445	
Tuesday	2022-08-23	05:21:00	01:00:00.0	55.0	316227.8	55	3162277.66	
Tuesday	2022-08-23	06:21:00	01:00:00.0	52.0	158489.3	52	1584893.192	
Tuesday	2022-08-23	07:21:00	01:00:00.0	59.0	794328.2	59	794328.2347	
Tuesday	2022-08-23	08:21:00	01:00:00.0	55.0	316227.8	55	316227.766	
Tuesday	2022-08-23	09:21:00	01:00:00.0	55.0	316227.8	55	316227.766	

Single-Family Residential-S Glenn Drive

Day	Date	Time	Duration	Leq	Energy	Leq (hr)	Energy+Penalty	CNEL
								24-Hr CNEL 64
								Min => 43
								Max => 68
Tuesday	2022-08-22	10:21:00	01:00:00.0	57.0	501187.2	57	501187.2336	
Tuesday	2022-08-22	11:21:00	01:00:00.0	58.0	630957.3	58	630957.3445	
Tuesday	2022-08-22	12:21:00	01:00:00.0	55.0	316227.8	55	316227.766	
Tuesday	2022-08-22	13:21:00	01:00:00.0	57.0	501187.2	57	501187.2336	
Tuesday	2022-08-22	14:21:00	01:00:00.0	58.0	630957.3	58	630957.3445	
Tuesday	2022-08-22	15:21:00	01:00:00.0	56.0	398107.2	56	398107.1706	
Tuesday	2022-08-22	16:21:00	01:00:00.0	51.0	125892.5	51	125892.5412	
Tuesday	2022-08-22	17:21:00	01:00:00.0	55.0	316227.8	55	316227.766	
Tuesday	2022-08-22	18:21:00	01:00:00.0	68.0	630957.3	68	630957.3445	
Tuesday	2022-08-22	19:21:00	01:00:00.0	68.0	630957.3	68	19952623.15	
Tuesday	2022-08-22	20:21:00	01:00:00.0	68.0	630957.3	68	19952623.15	
Tuesday	2022-08-22	21:21:00	01:00:00.0	47.0	50118.72	47	158489.3192	
Tuesday	2022-08-22	22:21:00	01:00:00.0	49.0	79432.82	49	794328.2347	
Tuesday	2022-08-22	23:21:00	01:00:00.0	43.0	19952.62	43	199526.2315	
Tuesday	2022-08-23	00:21:00	01:00:00.0	43.0	19952.62	43	199526.2315	
Tuesday	2022-08-23	01:21:00	01:00:00.0	47.0	50118.72	47	501187.2336	
Tuesday	2022-08-23	02:21:00	01:00:00.0	46.0	39810.72	46	398107.1706	
Tuesday	2022-08-23	03:21:00	01:00:00.0	44.0	25118.86	44	251188.6432	
Tuesday	2022-08-23	04:21:00	01:00:00.0	48.0	63095.73	48	630957.3445	
Tuesday	2022-08-23	05:21:00	01:00:00.0	55.0	316227.8	55	316227.766	
Tuesday	2022-08-23	06:21:00	01:00:00.0	52.0	158489.3	52	158489.3192	
Tuesday	2022-08-23	07:21:00	01:00:00.0	59.0	794328.2	59	794328.2347	
Tuesday	2022-08-23	08:21:00	01:00:00.0	55.0	316227.8	55	316227.766	
Tuesday	2022-08-23	09:21:00	01:00:00.0	55.0	316227.8	55	316227.766	

St. Mary Magdalen Chapel

Day	Date	Time	Duration	Leq	Energy	Leq (hr)	Energy+Penalty	CNEL
								24-Hr CNEL 61
								Min => 43
								Max => 64
Tuesday	2022-08-22	10:21:00	01:00:00.0	57.0	501187.2	57	501187.2336	
Tuesday	2022-08-22	11:21:00	01:00:00.0	58.0	630957.3	58	630957.3445	
Tuesday	2022-08-22	12:21:00	01:00:00.0	55.0	316227.8	55	316227.766	
Tuesday	2022-08-22	13:21:00	01:00:00.0	57.0	501187.2	57	501187.2336	
Tuesday	2022-08-22	14:21:00	01:00:00.0	58.0	630957.3	58	630957.3445	
Tuesday	2022-08-22	15:21:00	01:00:00.0	56.0	398107.2	56	398107.1706	
Tuesday	2022-08-22	16:21:00	01:00:00.0	51.0	125892.5	51	125892.5412	
Tuesday	2022-08-22	17:21:00	01:00:00.0	55.0	316227.8	55	316227.766	
Tuesday	2022-08-22	18:21:00	01:00:00.0	64.0	2511886	64	2511886.432	
Tuesday	2022-08-22	19:21:00	01:00:00.0	64.0	2511886	64	7943282.347	
Tuesday	2022-08-22	20:21:00	01:00:00.0	64.0	2511886	64	7943282.347	
Tuesday	2022-08-22	21:21:00	01:00:00.0	47.0	50118.72	47	158489.3192	
Tuesday	2022-08-22	22:21:00	01:00:00.0	49.0	79432.82	49	794328.2347	
Tuesday	2022-08-22	23:21:00	01:00:00.0	43.0	19952.62	43	199526.2315	
Tuesday	2022-08-23	00:21:00	01:00:00.0	43.0	19952.62	43	199526.2315	
Tuesday	2022-08-23	01:21:00	01:00:00.0	47.0	50118.72	47	501187.2336	
Tuesday	2022-08-23	02:21:00	01:00:00.0	46.0	39810.72	46	398107.1706	
Tuesday	2022-08-23	03:21:00	01:00:00.0	44.0	25118.86	44	251188.6432	
Tuesday	2022-08-23	04:21:00	01:00:00.0	48.0	63095.73	48	630957.3445	
Tuesday	2022-08-23	05:21:00	01:00:00.0	55.0	316227.8	55	3162277.66	
Tuesday	2022-08-23	06:21:00	01:00:00.0	52.0	158489.3	52	1584893.192	
Tuesday	2022-08-23	07:21:00	01:00:00.0	59.0	794328.2	59	794328.2347	
Tuesday	2022-08-23	08:21:00	01:00:00.0	55.0	316227.8	55	316227.766	
Tuesday	2022-08-23	09:21:00	01:00:00.0	55.0	316227.8	55	316227.766	

St. Mary Magdalen School

Day	Date	Time	Duration	Leq	Energy	Leq (hr)	Energy+Penalty	CNEL
								24-Hr CNEL 61
								Min => 43
								Max => 63
Tuesday	2022-08-22	10:21:00	01:00:00.0	57.0	501187.2	57	501187.2336	
Tuesday	2022-08-22	11:21:00	01:00:00.0	58.0	630957.3	58	630957.3445	
Tuesday	2022-08-22	12:21:00	01:00:00.0	55.0	316227.8	55	316227.766	
Tuesday	2022-08-22	13:21:00	01:00:00.0	57.0	501187.2	57	501187.2336	
Tuesday	2022-08-22	14:21:00	01:00:00.0	58.0	630957.3	58	630957.3445	
Tuesday	2022-08-22	15:21:00	01:00:00.0	56.0	398107.2	56	398107.1706	
Tuesday	2022-08-22	16:21:00	01:00:00.0	51.0	125892.5	51	125892.5412	
Tuesday	2022-08-22	17:21:00	01:00:00.0	55.0	316227.8	55	316227.766	
Tuesday	2022-08-22	18:21:00	01:00:00.0	63.0	1995262	63	1995262.315	
Tuesday	2022-08-22	19:21:00	01:00:00.0	63.0	1995262	63	6309573.445	
Tuesday	2022-08-22	20:21:00	01:00:00.0	63.0	1995262	63	6309573.445	
Tuesday	2022-08-22	21:21:00	01:00:00.0	47.0	50118.72	47	158489.3192	
Tuesday	2022-08-22	22:21:00	01:00:00.0	49.0	79432.82	49	794328.2347	
Tuesday	2022-08-22	23:21:00	01:00:00.0	43.0	19952.62	43	199526.2315	
Tuesday	2022-08-23	00:21:00	01:00:00.0	43.0	19952.62	43	199526.2315	
Tuesday	2022-08-23	01:21:00	01:00:00.0	47.0	50118.72	47	501187.2336	
Tuesday	2022-08-23	02:21:00	01:00:00.0	46.0	39810.72	46	398107.1706	
Tuesday	2022-08-23	03:21:00	01:00:00.0	44.0	25118.86	44	251188.6432	
Tuesday	2022-08-23	04:21:00	01:00:00.0	48.0	63095.73	48	630957.3445	
Tuesday	2022-08-23	05:21:00	01:00:00.0	55.0	316227.8	55	3162277.66	
Tuesday	2022-08-23	06:21:00	01:00:00.0	52.0	158489.3	52	1584893.192	
Tuesday	2022-08-23	07:21:00	01:00:00.0	59.0	794328.2	59	794328.2347	
Tuesday	2022-08-23	08:21:00	01:00:00.0	55.0	316227.8	55	316227.766	
Tuesday	2022-08-23	09:21:00	01:00:00.0	55.0	316227.8	55	316227.766	

Construction Vibration Modeling

Dizdar Park	Vibration @ 25 ft	Commercial/retail	School	SF Residential	Chapel	MF Residential
		75	160	160	180	215
Impact Pile Driver	1.518	0.292	0.094	0.094	0.079	0.060
Clam shovel	0.202	0.002	0.002	0.000	0.000	0.039
Vibratory Roller	0.21	0.037	0.013	0.013	0.011	0.008
Hoe Ram	0.089	0.017	0.005	0.005	0.005	0.004
Large Bulldozer	0.089	0.017	0.005	0.005	0.005	0.004
Caisson Drilling	0.089	0.017	0.005	0.005	0.005	0.004
Loaded Trucks	0.076	0.015	0.005	0.005	0.004	0.003
Jackhammer	0.035	0.007	0.002	0.002	0.002	0.001
Small Bulldozer	0.003	0.001	0.000	0.000	0.000	0.000