Appendix G

Noise Measurement Data and Noise Model Output Sheets

Noise Measurement 1

Data Logger 2
Duration (seconds)   3
Weighting   A
Response   SLOW
Range   40-100
L05   77.2
L10   75.5
L50   65.5
L90   53.1
L95   48.6
Lmax   88.5
Time   4/28/2021 11:37
SEL   97.7
Leq   **72.0**

No.s	Date Time	Time	dB	Sound Energy
1	4/28/2021 11:28	11:28 AM	58.4	2075492.913
2	4/28/2021 11:28	11:28 AM	72.2	49787607.22
3	4/28/2021 11:28	11:28 AM	72.2	49787607.22
4	4/28/2021 11:28	11:28 AM	71.1	38647486.55
5	4/28/2021 11:28	11:28 AM	75.5	106444016.8
6	4/28/2021 11:28	11:28 AM	65.4	10402105.51
7	4/28/2021 11:28	11:28 AM	56.5	1340050.776
8	4/28/2021 11:28	11:28 AM	59.5	2673752.814
9	4/28/2021 11:28	11:28 AM	66.3	12797385.56
10	4/28/2021 11:28	11:28 AM	70.5	33660553.63
11	4/28/2021 11:28	11:28 AM	74.8	90598551.61
12	4/28/2021 11:28	11:28 AM	69.7	27997629.02
13	4/28/2021 11:28	11:28 AM	69.2	24952913.13
14	4/28/2021 11:28	11:28 AM	64.1	7711187.348
15	4/28/2021 11:28	11:28 AM	57.8	1807678.758
16	4/28/2021 11:28	11:28 AM	55.8	1140568.189
17	4/28/2021 11:28	11:28 AM	65.6	10892341.64
18	4/28/2021 11:29	11:29 AM	62.8	5716382.154
19	4/28/2021 11:29	11:29 AM	59.9	2931711.663
20	4/28/2021 11:29	11:29 AM	73.9	73641267.47
21	4/28/2021 11:29	11:29 AM	74	75356592.95
22	4/28/2021 11:29	11:29 AM	63.9	7364126.747
23	4/28/2021 11:29	11:29 AM	55	948683.2981
24	4/28/2021 11:29	11:29 AM	48.6	217330.788
25	4/28/2021 11:29	11:29 AM	46.9	146933.6458
26	4/28/2021 11:29	11:29 AM	49.4	261289.077
27	4/28/2021 11:29	11:29 AM	46.9	146933.6458
28	4/28/2021 11:29	11:29 AM	56.2	1250608.15
29	4/28/2021 11:29	11:29 AM	55.3	1016532.468
30	4/28/2021 11:29	11:29 AM	55.4	1040210.551
31	4/28/2021 11:29	11:29 AM	73.7	70326864.46
32	4/28/2021 11:29	11:29 AM	67.9	18497850.06
33	4/28/2021 11:29	11:29 AM	58.1	1936962.687
34	4/28/2021 11:29	11:29 AM	53.6	687260.2958
35	4/28/2021 11:29	11:29 AM	59	2382984.704
36	4/28/2021 11:29	11:29 AM	62.2	4978760.722

37	4/28/2021 11:29	11:29 AM	70.6	34444608.64
38	4/28/2021 11:30	11:30 AM	72.1	48654302.92
39	4/28/2021 11:30	11:30 AM	72.8	57163821.54
40	4/28/2021 11:30	11:30 AM	67.1	15385841.52
41	4/28/2021 11:30	11:30 AM	63.6	6872602.958
42	4/28/2021 11:30	11:30 AM	67.6	17263198.12
43	4/28/2021 11:30	11:30 AM	64.8	9059855.161
44	4/28/2021 11:30	11:30 AM	73	59857869.45
45	4/28/2021 11:30	11:30 AM	72.2	49787607.22
46	4/28/2021 11:30	11:30 AM	74.4	82626861.1
47	4/28/2021 11:30	11:30 AM	68.5	21238373.53
48	4/28/2021 11:30	11:30 AM	79.3	255341411.5
49	4/28/2021 11:30	11:30 AM	73.9	73641267.47
50	4/28/2021 11:30	11:30 AM	68.6	21733078.8
51	4/28/2021 11:30	11:30 AM	76.7	140320542.4
52	4/28/2021 11:30	11:30 AM	67.2	15744223.81
53	4/28/2021 11:30	11:30 AM	58	1892872.033
54	4/28/2021 11:30	11:30 AM	53.1	612521.3834
55	4/28/2021 11:30	11:30 AM	53.1	612521.3834
56	4/28/2021 11:30	11:30 AM	56.7	1403205.424
57	4/28/2021 11:30	11:30 AM	62.9	5849533.799
58	4/28/2021 11:31	11:31 AM	56.3	1279738.556
59	4/28/2021 11:31	11:31 AM	51.2	395477.0216
60	4/28/2021 11:31	11:31 AM	51.7	443732.5165
61	4/28/2021 11:31	11:31 AM	58.4	2075492.913
62	4/28/2021 11:31	11:31 AM	69.1	24384915.48
63	4/28/2021 11:31	11:31 AM	64.5	8455148.794
64	4/28/2021 11:31	11:31 AM	68.3	20282489.26
65	4/28/2021 11:31	11:31 AM	61.3	4046888.648
66	4/28/2021 11:31	11:31 AM	57.7	1766530.966
67	4/28/2021 11:31	11:31 AM	63.7	7032686.446
68	4/28/2021 11:31	11:31 AM	60.1	3069878.977
69	4/28/2021 11:31	11:31 AM	67.2	15744223.81
70	4/28/2021 11:31	11:31 AM	60.5	3366055.363
71	4/28/2021 11:31	11:31 AM	62.2	4978760.722
72	4/28/2021 11:31	11:31 AM	70.5	33660553.63
73	4/28/2021 11:31	11:31 AM	64.4	8262686.11
74	4/28/2021 11:31	11:31 AM	65.2	9933933.644
75	4/28/2021 11:31	11:31 AM	65.2	9933933.644
76	4/28/2021 11:31	11:31 AM	71.2	39547702.16
77	4/28/2021 11:31	11:31 AM	70	30000000
78	4/28/2021 11:32	11:32 AM	75.1	97078097.08
79	4/28/2021 11:32	11:32 AM	67.2	15744223.81
80	4/28/2021 11:32	11:32 AM	61.3	4046888.648
81	4/28/2021 11:32	11:32 AM	71.1	38647486.55
82	4/28/2021 11:32	11:32 AM	60.5	3366055.363
83	4/28/2021 11:32	11:32 AM	51.5	423761.2634
84	4/28/2021 11:32	11:32 AM	48.3	202824.8926
85	4/28/2021 11:32	11:32 AM	47	150356.1701
86	4/28/2021 11:32	11:32 AM	47.5	168702.3976
87	4/28/2021 11:32	11:32 AM	46.2	125060.815
88	4/28/2021 11:32	11:32 AM	47.5	168702.3976
89	4/28/2021 11:32	11:32 AM	49	238298.4704
90	4/28/2021 11:32	11:32 AM	57.1	1538584.152
91	4/28/2021 11:32	11:32 AM	66.8	14358902.77

92	4/28/2021 11:32	11:32 AM	76.6	137126456.9
93	4/28/2021 11:32	11:32 AM	69.1	24384915.48
94	4/28/2021 11:32	11:32 AM	60.5	3366055.363
95	4/28/2021 11:32	11:32 AM	55.2	993393.3644
96	4/28/2021 11:32	11:32 AM	57.5	1687023.976
97	4/28/2021 11:32	11:32 AM	72.2	49787607.22
98	4/28/2021 11:33	11:33 AM	67.5	16870239.76
99	4/28/2021 11:33	11:33 AM	58.7	2223930.724
100	4/28/2021 11:33	11:33 AM	60.9	3690806.312
101	4/28/2021 11:33	11:33 AM	78	189287203.3
102	4/28/2021 11:33	11:33 AM	70	30000000
103	4/28/2021 11:33	11:33 AM	73.7	70326864.46
104	4/28/2021 11:33	11:33 AM	73.7	70326864.46
105	4/28/2021 11:33	11:33 AM	68.6	21733078.8
106	4/28/2021 11:33	11:33 AM	75.1	97078097.08
107	4/28/2021 11:33	11:33 AM	67.3	16110953.89
108	4/28/2021 11:33	11:33 AM	73.9	73641267.47
109	4/28/2021 11:33	11:33 AM	67.6	17263198.12
110	4/28/2021 11:33	11:33 AM	63	5985786.945
111	4/28/2021 11:33	11:33 AM	70.7	35246926.65
112	4/28/2021 11:33	11:33 AM	72	47546795.77
113	4/28/2021 11:33	11:33 AM	64.8	9059855.161
114	4/28/2021 11:33	11:33 AM	62.4	5213402.486
115	4/28/2021 11:33	11:33 AM	68.7	22239307.24
116	4/28/2021 11:33	11:33 AM	61	3776776.235
117	4/28/2021 11:33	11:33 AM	54.1	771118.7348
118	4/28/2021 11:34	11:34 AM	52.1	486543.0292
119	4/28/2021 11:34	11:34 AM	64.3	8074604.412
120	4/28/2021 11:34	11:34 AM	59.7	2799762.902
121	4/28/2021 11:34	11:34 AM	55	948683.2981
122	4/28/2021 11:34	11:34 AM	63.5	6716163.416
123	4/28/2021 11:34	11:34 AM	79.1	243849154.8
124	4/28/2021 11:34	11:34 AM	72.3	50947309.57
125	4/28/2021 11:34	11:34 AM	75.1	97078097.08
126	4/28/2021 11:34	11:34 AM	66.3	12797385.56
127	4/28/2021 11:34	11:34 AM	58.9	2328741.35
128	4/28/2021 11:34	11:34 AM	57.5	1687023.976
129	4/28/2021 11:34	11:34 AM	64.1	7711187.348
130	4/28/2021 11:34	11:34 AM	60.9	3690806.312
131	4/28/2021 11:34	11:34 AM	73.2	62678883.93
132	4/28/2021 11:34	11:34 AM	72	47546795.77
133	4/28/2021 11:34	11:34 AM	76.6	137126456.9
134	4/28/2021 11:34	11:34 AM	74.6	86520945.09
135	4/28/2021 11:34	11:34 AM	72.5	53348382.3
136	4/28/2021 11:34	11:34 AM	72.4	52134024.86
137	4/28/2021 11:34	11:34 AM	72.2	49787607.22
138	4/28/2021 11:35	11:35 AM	69.8	28649777.58
139	4/28/2021 11:35	11:35 AM	59.2	2495291.313
140	4/28/2021 11:35	11:35 AM	53.9	736412.6747
141	4/28/2021 11:35	11:35 AM	72.7	55862614.1
142	4/28/2021 11:35	11:35 AM	67.7	17665309.66
143	4/28/2021 11:35	11:35 AM	71.4	41411527.94
144	4/28/2021 11:35	11:35 AM	64.4	8262686.11
145	4/28/2021 11:35	11:35 AM	55.2	993393.3644
146	4/28/2021 11:35	11:35 AM	50	300000

147	4/28/2021 11:35	11:35 AM	51.2	395477.0216
148	4/28/2021 11:35	11:35 AM	53.7	703268.6446
149	4/28/2021 11:35	11:35 AM	63.6	6872602.958
150	4/28/2021 11:35	11:35 AM	62.4	5213402.486
151	4/28/2021 11:35	11:35 AM	61.3	4046888.648
152	4/28/2021 11:35	11:35 AM	74.2	78908039.76
153	4/28/2021 11:35	11:35 AM	68.1	19369626.87
154	4/28/2021 11:35	11:35 AM	74.5	84551487.94
155	4/28/2021 11:35	11:35 AM	70.8	36067933.04
156	4/28/2021 11:35	11:35 AM	73.3	64138862.69
157	4/28/2021 11:35	11:35 AM	75.2	99339336.44
158	4/28/2021 11:36	11:36 AM	78.9	232874135
159	4/28/2021 11:36	11:36 AM	74.5	84551487.94
160	4/28/2021 11:36	11:36 AM	75.7	111460568.7
161	4/28/2021 11:36	11:36 AM	66.5	13400507.76
162	4/28/2021 11:36	11:36 AM	58.6	2173307.88
163	4/28/2021 11:36	11:36 AM	54.6	865209.4509
164	4/28/2021 11:36	11:36 AM	55	948683.2981
165	4/28/2021 11:36	11:36 AM	69.5	26737528.14
166	4/28/2021 11:36	11:36 AM	76.5	134005077.6
167	4/28/2021 11:36	11:36 AM	69.1	24384915.48
168	4/28/2021 11:36	11:36 AM	61.7	4437325.165
169	4/28/2021 11:36	11:36 AM	60.6	3444460.864
170	4/28/2021 11:36	11:36 AM	58	1892872.033
171	4/28/2021 11:36	11:36 AM	55.7	1114605.687
172	4/28/2021 11:36	11:36 AM	63.2	6267888.393
173	4/28/2021 11:36	11:36 AM	69.1	24384915.48
174	4/28/2021 11:36	11:36 AM	62.7	5586261.41
175	4/28/2021 11:36	11:36 AM	67.7	17665309.66
176	4/28/2021 11:36	11:36 AM	85	948683298.1
177	4/28/2021 11:36	11:36 AM	76.5	134005077.6
178	4/28/2021 11:37	11:37 AM	86.5	1340050776
179	4/28/2021 11:37	11:37 AM	80	300000000
180	4/28/2021 11:37	11:37 AM	71.7	44373251.65
181	4/28/2021 11:37	11:37 AM	71.6	43363193.12
182	4/28/2021 11:37	11:37 AM	82.4	521340248.6
183	4/28/2021 11:37	11:37 AM	74.1	77111873.48
184	4/28/2021 11:37	11:37 AM	76.3	127973855.6
185	4/28/2021 11:37	11:37 AM	69.9	29317116.63
186	4/28/2021 11:37	11:37 AM	60.7	3524692.665
187	4/28/2021 11:37	11:37 AM	57	1503561.701
188	4/28/2021 11:37	11:37 AM	76.1	122214083.3
189	4/28/2021 11:37	11:37 AM	70	30000000
190	4/28/2021 11:37	11:37 AM	62.4	5213402.486
191	4/28/2021 11:37	11:37 AM	56	1194321.512
192	4/28/2021 11:37	11:37 AM	52.9	584953.3799
193	4/28/2021 11:37	11:37 AM	54.4	826268.611
194	4/28/2021 11:37	11:37 AM	67.7	17665309.66
195	4/28/2021 11:37	11:37 AM	79.2	249529131.3
196	4/28/2021 11:37	11:37 AM	72.5	53348382.3
197	4/28/2021 11:37	11:37 AM	66.3	12797385.56
198	4/28/2021 11:38	11:38 AM	69.2	24952913.13
199	4/28/2021 11:38	11:38 AM	75.2	99339336.44
200	4/28/2021 11:38	11:38 AM	77.9	184978500.6

```
-     Freq Weight : A
-     Time Weight : SLOW                          Noise Measurement 2
-     Level Range : 40-100
-     Max dB : 70.2 - 2021/04/28 12:17:09
-     Level Range : 40-100
-     SEL :  86.3
-     Leq :  58.6
-

      No.s          Date Time        (dB)
     ------------------------------------------------------------------------
        1  2021/04/28 12:11:40       58.9      58.7      60.3      61.0      58.8
        6  2021/04/28 12:11:55       58.4      58.5      58.9      59.5      59.0
       11  2021/04/28 12:12:10       58.3      58.7      59.1      59.2      59.1
       16  2021/04/28 12:12:25       58.4      58.0      59.2      58.8      58.9
       21  2021/04/28 12:12:40       59.7      59.5      59.1      58.6      56.1
       26  2021/04/28 12:12:55       56.5      56.0      57.6      56.1      56.1
       31  2021/04/28 12:13:10       56.3      57.9      56.6      58.5      56.8
       36  2021/04/28 12:13:25       56.2      56.1      56.5      56.1      57.0
       41  2021/04/28 12:13:40       56.6      56.1      56.3      56.7      56.2
       46  2021/04/28 12:13:55       56.2      56.4      56.1      56.1      56.0
       51  2021/04/28 12:14:10       56.1      55.9      56.1      56.5      56.1
       56  2021/04/28 12:14:25       55.8      56.0      56.0      56.0      56.5
       61  2021/04/28 12:14:40       56.9      56.2      56.1      56.1      56.2
       66  2021/04/28 12:14:55       56.5      57.1      61.1      62.0      57.9
       71  2021/04/28 12:15:10       56.5      56.3      55.9      56.0      56.0
       76  2021/04/28 12:15:25       56.2      56.1      56.3      55.9      55.8
       81  2021/04/28 12:15:40       55.9      56.0      56.1      56.0      56.3
       86  2021/04/28 12:15:55       56.4      56.0      56.3      56.5      59.5
       91  2021/04/28 12:16:10       58.0      57.4      60.1      66.4      61.4
       96  2021/04/28 12:16:25       57.5      56.5      56.2      56.5      56.6
      101  2021/04/28 12:16:40       56.2      56.5      56.4      56.5      56.5
      106  2021/04/28 12:16:55       57.4      56.4      57.9      61.6      69.4
      111  2021/04/28 12:17:10       61.5      57.2      56.7      57.7      65.2
      116  2021/04/28 12:17:25       67.2      63.6      59.8      56.4      56.1
      121  2021/04/28 12:17:40       56.1      56.1      56.2      56.1      55.9
      126  2021/04/28 12:17:55       56.1      56.1      56.0      56.3      57.9
      131  2021/04/28 12:18:10       58.9      66.6      67.5      61.2      57.5
      136  2021/04/28 12:18:25       57.7      56.8      56.4      56.0      58.4
      141  2021/04/28 12:18:40       55.8      56.5      55.8      56.4      56.0
      146  2021/04/28 12:18:55       56.2      56.7      57.6      56.0      56.1
      151  2021/04/28 12:19:10       57.0      56.4      56.0      55.8      56.0
      156  2021/04/28 12:19:25       56.3      57.2      56.6      56.8      56.3
      161  2021/04/28 12:19:40       56.6      56.6      56.6      56.2      56.4
      166  2021/04/28 12:19:55       57.4      57.1      56.8      59.0      63.4
      171  2021/04/28 12:20:10       65.7      59.6      57.2      61.4      58.2
      176  2021/04/28 12:20:25       56.4      56.6      57.4      56.7      56.7
      181  2021/04/28 12:20:40       57.7      59.5      56.9      56.4      58.2
      186  2021/04/28 12:20:55       56.3      55.8      56.1      56.0      55.9
      191  2021/04/28 12:21:10       56.0      56.1      56.3      56.3      56.2
      196  2021/04/28 12:21:25       56.1      56.6      56.7      57.0      56.0
```

```
-      Freq Weight : A
-      Time Weight : SLOW
-      Level Range : 40-100
-      Max dB : 90.4 - 2021/04/28 13:04:50        Noise Measurement 3
-      Level Range : 40-100
-      SEL :   97.6
-      Leq :   69.9
-

       No.s           Date Time       (dB)
       ------------------------------------------------------------------------
          1  2021/04/28 12:56:14      60.5     74.0     74.0     71.2     75.5
          6  2021/04/28 12:56:29      72.7     71.5     71.8     71.4     65.4
         11  2021/04/28 12:56:44      61.0     68.0     69.4     61.0     58.6
         16  2021/04/28 12:56:59      59.2     67.3     68.5     61.0     68.1
         21  2021/04/28 12:57:14      62.9     56.3     60.9     68.5     64.2
         26  2021/04/28 12:57:29      63.9     57.8     59.9     66.4     64.7
         31  2021/04/28 12:57:44      61.8     62.5     62.7     67.9     67.4
         36  2021/04/28 12:57:59      62.1     59.3     61.0     59.4     60.3
         41  2021/04/28 12:58:14      60.1     66.2     72.5     66.9     61.9
         46  2021/04/28 12:58:29      60.9     67.1     64.6     67.8     71.8
         51  2021/04/28 12:58:44      73.0     74.8     74.5     71.9     70.7
         56  2021/04/28 12:58:59      66.9     61.7     68.3     60.4     64.5
         61  2021/04/28 12:59:14      71.1     65.2     57.5     55.7     58.0
         66  2021/04/28 12:59:29      69.2     61.3     61.4     68.5     70.8
         71  2021/04/28 12:59:44      61.3     56.0     56.7     56.7     55.2
         76  2021/04/28 12:59:59      59.4     59.8     56.9     58.5     64.4
         81  2021/04/28 13:00:14      63.4     61.8     56.1     55.3     56.9
         86  2021/04/28 13:00:29      67.3     62.7     57.2     64.2     63.0
         91  2021/04/28 13:00:44      60.9     57.4     55.1     53.5     57.5
         96  2021/04/28 13:00:59      60.1     60.6     71.4     70.3     74.6
        101  2021/04/28 13:01:14      75.0     73.1     70.2     69.3     69.9
        106  2021/04/28 13:01:29      70.3     67.3     68.0     61.6     69.0
        111  2021/04/28 13:01:44      66.6     62.4     57.3     56.2     55.6
        116  2021/04/28 13:01:59      57.1     67.8     62.3     70.7     74.7
        121  2021/04/28 13:02:14      68.0     59.6     56.4     56.4     64.4
        126  2021/04/28 13:02:29      60.7     55.7     55.3     54.2     54.7
        131  2021/04/28 13:02:44      63.2     57.3     55.6     62.2     61.4
        136  2021/04/28 13:02:59      69.9     61.0     55.9     56.2     56.4
        141  2021/04/28 13:03:14      57.3     59.7     59.2     60.1     60.4
        146  2021/04/28 13:03:29      71.0     74.6     72.1     72.9     74.4
        151  2021/04/28 13:03:44      72.7     71.4     72.8     68.3     60.1
        156  2021/04/28 13:03:59      67.1     66.6     59.9     67.4     66.2
        161  2021/04/28 13:04:14      65.7     60.1     62.6     64.4     68.1
        166  2021/04/28 13:04:29      61.1     63.4     67.6     63.3     64.9
        171  2021/04/28 13:04:44      67.2     85.2     83.2     73.0     64.4
        176  2021/04/28 13:04:59      64.6     59.9     56.7     58.7     68.0
        181  2021/04/28 13:05:14      63.2     61.7     63.6     57.1     59.2
        186  2021/04/28 13:05:29      65.7     64.7     61.0     71.3     68.6
        191  2021/04/28 13:05:44      68.9     62.5     63.2     66.9     74.1
        196  2021/04/28 13:05:59      75.8     73.4     69.9     67.9     72.8
```

```
-      Freq Weight : A
-      Time Weight : SLOW
-      Level Range : 40-100
-      Max dB : 72.7 - 2021/04/28 13:41:39        Noise Measurement 4
-      Level Range : 40-100
-      SEL :  81.6
-      Leq :  53.9
-

       No.s          Date Time      (dB)
       ----------------------------------------------------------------------
          1  2021/04/28 13:32:59    46.1    45.6    45.0    44.2    44.4
          6  2021/04/28 13:33:14    45.4    44.4    44.7    46.4    44.7
         11  2021/04/28 13:33:29    43.6    43.5    43.8    43.7    43.1
         16  2021/04/28 13:33:44    43.5    44.2    44.0    43.9    45.9
         21  2021/04/28 13:33:59    45.2    48.1    46.5    44.6    44.7
         26  2021/04/28 13:34:14    43.7    44.0    44.6    45.1    45.0
         31  2021/04/28 13:34:29    45.1    45.7    46.1    46.4    46.6
         36  2021/04/28 13:34:44    45.2    45.7    45.2    46.4    47.2
         41  2021/04/28 13:34:59    48.3    46.6    46.5    44.6    45.1
         46  2021/04/28 13:35:14    45.9    43.9    44.1    43.4    43.9
         51  2021/04/28 13:35:29    44.2    44.0    43.9    43.7    43.6
         56  2021/04/28 13:35:44    44.1    44.8    45.2    43.9    44.1
         61  2021/04/28 13:35:59    45.4    45.1    44.9    44.5    44.2
         66  2021/04/28 13:36:14    45.1    47.1    46.3    50.2    48.2
         71  2021/04/28 13:36:29    47.1    45.8    44.9    45.7    44.2
         76  2021/04/28 13:36:44    42.9    42.9    43.1    44.7    43.2
         81  2021/04/28 13:36:59    43.1    43.3    43.9    45.0    47.6
         86  2021/04/28 13:37:14    48.8    46.9    45.1    44.7    44.5
         91  2021/04/28 13:37:29    44.6    43.5    43.0    43.6    44.2
         96  2021/04/28 13:37:44    43.6    43.9    43.7    43.3    43.1
        101  2021/04/28 13:37:59    43.2    43.4    44.5    43.8    44.7
        106  2021/04/28 13:38:14    44.9    43.3    43.8    44.1    43.8
        111  2021/04/28 13:38:29    44.2    44.1    45.2    50.1    60.3
        116  2021/04/28 13:38:44    61.3    57.3    53.1    57.8    59.4
        121  2021/04/28 13:38:59    56.8    53.2    47.6    46.5    48.5
        126  2021/04/28 13:39:14    50.0    52.9    46.9    47.0    46.7
        131  2021/04/28 13:39:29    47.9    46.6    45.7    44.4    43.9
        136  2021/04/28 13:39:44    43.5    43.8    44.4    45.0    45.7
        141  2021/04/28 13:39:59    46.3    46.4    45.1    44.9    45.5
        146  2021/04/28 13:40:14    47.1    46.5    46.3    44.7    44.1
        151  2021/04/28 13:40:29    45.0    45.9    46.0    45.4    46.6
        156  2021/04/28 13:40:44    46.1    45.7    47.3    48.7    45.9
        161  2021/04/28 13:40:59    45.6    47.2    64.6    66.2    54.3
        166  2021/04/28 13:41:14    46.3    48.0    44.3    70.8    63.3
        171  2021/04/28 13:41:29    60.6    59.9    68.3    70.2    59.1
        176  2021/04/28 13:41:44    53.5    50.5    45.3    44.5    45.5
        181  2021/04/28 13:41:59    45.5    46.4    45.9    45.2    47.5
        186  2021/04/28 13:42:14    46.4    44.8    44.7    44.3    44.5
        191  2021/04/28 13:42:29    45.4    44.6    44.4    45.2    46.0
        196  2021/04/28 13:42:44    45.3    45.3    45.9    49.0    45.6
```

```
-        Freq Weight : A
-        Time Weight : SLOW
-        Level Range : 40-100
-        Max dB : 90.0 - 2021/04/28 14:07:10        Noise Measurement 5
-        Level Range : 40-100
-        SEL :   102.4
-        Leq :   74.7
-

        No.s           Date Time      (dB)
        --------------------------------------------------------------------
           1   2021/04/28 14:03:05    80.5    81.9    76.6    82.7    77.8
           6   2021/04/28 14:03:20    77.7    70.5    74.3    74.0    67.9
          11   2021/04/28 14:03:35    77.1    70.4    75.6    69.5    76.8
          16   2021/04/28 14:03:50    67.4    62.5    59.3    61.8    63.3
          21   2021/04/28 14:04:05    63.3    63.9    75.9    66.9    63.0
          26   2021/04/28 14:04:20    60.7    63.3    67.9    75.4    76.5
          31   2021/04/28 14:04:35    78.4    80.9    77.5    76.7    76.9
          36   2021/04/28 14:04:50    81.2    81.3    79.4    79.8    73.8
          41   2021/04/28 14:05:05    74.1    77.4    74.0    79.3    74.1
          46   2021/04/28 14:05:20    75.8    80.8    80.1    76.1    74.7
          51   2021/04/28 14:05:35    69.5    71.6    65.0    64.5    76.8
          56   2021/04/28 14:05:50    80.2    72.7    77.9    75.8    69.5
          61   2021/04/28 14:06:05    69.0    74.2    67.0    62.6    60.7
          66   2021/04/28 14:06:20    60.7    57.6    57.8    59.0    60.0
          71   2021/04/28 14:06:35    61.2    60.0    58.1    60.4    68.9
          76   2021/04/28 14:06:50    82.2    75.1    73.8    84.6    78.0
          81   2021/04/28 14:07:05    76.7    90.0    81.5    76.0    75.5
          86   2021/04/28 14:07:20    72.7    73.0    68.3    68.7    68.1
          91   2021/04/28 14:07:35    76.1    75.1    69.1    74.2    76.1
          96   2021/04/28 14:07:50    77.4    74.6    71.8    74.1    73.3
         101   2021/04/28 14:08:05    73.1    73.5    72.8    67.6    63.6
         106   2021/04/28 14:08:20    63.0    62.8    62.6    61.0    61.1
         111   2021/04/28 14:08:35    61.3    65.5    72.9    68.1    75.1
         116   2021/04/28 14:08:50    69.7    74.1    69.8    63.8    61.6
         121   2021/04/28 14:09:05    63.5    79.7    78.4    80.3    78.4
         126   2021/04/28 14:09:20    77.9    77.4    76.6    79.0    77.7
         131   2021/04/28 14:09:35    79.9    77.3    71.6    80.1    78.6
         136   2021/04/28 14:09:50    79.6    77.8    71.9    75.5    78.0
         141   2021/04/28 14:10:05    80.0    71.4    76.1    73.7    75.9
         146   2021/04/28 14:10:20    69.0    75.6    71.3    69.0    66.7
         151   2021/04/28 14:10:35    66.1    64.2    61.9    59.3    57.6
         156   2021/04/28 14:10:50    62.5    75.4    66.4    75.4    68.2
         161   2021/04/28 14:11:05    78.1    68.9    62.3    58.4    56.6
         166   2021/04/28 14:11:20    54.4    53.3    62.7    79.1    71.6
         171   2021/04/28 14:11:35    71.0    71.1    76.9    70.7    76.7
         176   2021/04/28 14:11:50    76.3    77.2    77.0    70.1    65.6
         181   2021/04/28 14:12:05    63.3    63.5    74.5    66.8    64.6
         186   2021/04/28 14:12:20    73.5    75.8    77.4    78.3    76.8
         191   2021/04/28 14:12:35    76.1    75.3    78.2    78.3    79.2
         196   2021/04/28 14:12:50    71.4    78.4    74.9    67.4    74.7
```

Noise Measurement 6

Data Logger 2
Duration (seconds)   3
Weighting   A
Response   SLOW
Range   40-100
L05   66.7
L10   64.3
L50   50.7
L90   47.2
L95   46.5
Lmax   93.1
Time   4/28/2021 14:27
SEL   97.7
Leq   **68.5**

No.s	Date Time	Time	dB	Sound Energy
1	4/28/2021 14:27	2:27 PM	87.5	1687023976
2	4/28/2021 14:27	2:27 PM	87.7	1766530966
3	4/28/2021 14:27	2:27 PM	75.2	99339336.44
4	4/28/2021 14:27	2:27 PM	64.9	9270886.298
5	4/28/2021 14:27	2:27 PM	70.6	34444608.64
6	4/28/2021 14:27	2:27 PM	61.9	4646449.857
7	4/28/2021 14:27	2:27 PM	55.1	970780.9708
8	4/28/2021 14:27	2:27 PM	56.5	1340050.776
9	4/28/2021 14:27	2:27 PM	52.3	509473.0957
10	4/28/2021 14:28	2:28 PM	61.5	4237612.634
11	4/28/2021 14:28	2:28 PM	53.1	612521.3834
12	4/28/2021 14:28	2:28 PM	52	475467.9577
13	4/28/2021 14:28	2:28 PM	51.1	386474.8655
14	4/28/2021 14:28	2:28 PM	52.3	509473.0957
15	4/28/2021 14:28	2:28 PM	50.7	352469.2665
16	4/28/2021 14:28	2:28 PM	51.1	386474.8655
17	4/28/2021 14:28	2:28 PM	59.1	2438491.548
18	4/28/2021 14:28	2:28 PM	54.7	885362.768
19	4/28/2021 14:28	2:28 PM	51.8	454068.3745
20	4/28/2021 14:28	2:28 PM	51.5	423761.2634
21	4/28/2021 14:28	2:28 PM	54.6	865209.4509
22	4/28/2021 14:28	2:28 PM	65	9486832.981
23	4/28/2021 14:28	2:28 PM	58.1	1936962.687
24	4/28/2021 14:28	2:28 PM	51	377677.6235
25	4/28/2021 14:28	2:28 PM	50.1	306987.8977
26	4/28/2021 14:28	2:28 PM	48.4	207549.2913
27	4/28/2021 14:28	2:28 PM	48.2	198208.0344
28	4/28/2021 14:28	2:28 PM	47.9	184978.5006
29	4/28/2021 14:28	2:28 PM	47.1	153858.4152
30	4/28/2021 14:29	2:29 PM	50.1	306987.8977
31	4/28/2021 14:29	2:29 PM	49.7	279976.2902
32	4/28/2021 14:29	2:29 PM	49.3	255341.4115
33	4/28/2021 14:29	2:29 PM	47.1	153858.4152
34	4/28/2021 14:29	2:29 PM	46.4	130954.7497
35	4/28/2021 14:29	2:29 PM	47.7	176653.0966
36	4/28/2021 14:29	2:29 PM	48.3	202824.8926

37	4/28/2021 14:29	2:29 PM	49.6	273603.2518
38	4/28/2021 14:29	2:29 PM	53.3	641388.6269
39	4/28/2021 14:29	2:29 PM	52.5	533483.823
40	4/28/2021 14:29	2:29 PM	48.9	232874.135
41	4/28/2021 14:29	2:29 PM	49.5	267375.2814
42	4/28/2021 14:29	2:29 PM	52.4	521340.2486
43	4/28/2021 14:29	2:29 PM	48.3	202824.8926
44	4/28/2021 14:29	2:29 PM	47.7	176653.0966
45	4/28/2021 14:29	2:29 PM	47.6	172631.9812
46	4/28/2021 14:29	2:29 PM	47.5	168702.3976
47	4/28/2021 14:29	2:29 PM	47.3	161109.5389
48	4/28/2021 14:29	2:29 PM	47.2	157442.2381
49	4/28/2021 14:29	2:29 PM	48	189287.2033
50	4/28/2021 14:30	2:30 PM	47.6	172631.9812
51	4/28/2021 14:30	2:30 PM	47.3	161109.5389
52	4/28/2021 14:30	2:30 PM	48.7	222393.0724
53	4/28/2021 14:30	2:30 PM	51.8	454068.3745
54	4/28/2021 14:30	2:30 PM	51.6	433631.9312
55	4/28/2021 14:30	2:30 PM	50.9	369080.6312
56	4/28/2021 14:30	2:30 PM	55.2	993393.3644
57	4/28/2021 14:30	2:30 PM	66.5	13400507.76
58	4/28/2021 14:30	2:30 PM	56.5	1340050.776
59	4/28/2021 14:30	2:30 PM	66.6	13712645.69
60	4/28/2021 14:30	2:30 PM	61	3776776.235
61	4/28/2021 14:30	2:30 PM	53.8	719649.8757
62	4/28/2021 14:30	2:30 PM	50.8	360679.3304
63	4/28/2021 14:30	2:30 PM	50.6	344446.0864
64	4/28/2021 14:30	2:30 PM	61.5	4237612.634
65	4/28/2021 14:30	2:30 PM	62.6	5459102.576
66	4/28/2021 14:30	2:30 PM	66.1	12221408.33
67	4/28/2021 14:30	2:30 PM	65.2	9933933.644
68	4/28/2021 14:30	2:30 PM	73.7	70326864.46
69	4/28/2021 14:30	2:30 PM	75.1	97078097.08
70	4/28/2021 14:31	2:31 PM	69.1	24384915.48
71	4/28/2021 14:31	2:31 PM	76.2	125060815
72	4/28/2021 14:31	2:31 PM	69	23829847.04
73	4/28/2021 14:31	2:31 PM	58.3	2028248.926
74	4/28/2021 14:31	2:31 PM	56.9	1469336.458
75	4/28/2021 14:31	2:31 PM	56.2	1250608.15
76	4/28/2021 14:31	2:31 PM	50.5	336605.5363
77	4/28/2021 14:31	2:31 PM	51.5	423761.2634
78	4/28/2021 14:31	2:31 PM	54.9	927088.6298
79	4/28/2021 14:31	2:31 PM	51.3	404688.8648
80	4/28/2021 14:31	2:31 PM	49	238298.4704
81	4/28/2021 14:31	2:31 PM	53.3	641388.6269
82	4/28/2021 14:31	2:31 PM	62	4754679.577
83	4/28/2021 14:31	2:31 PM	66.7	14032054.24
84	4/28/2021 14:31	2:31 PM	62.3	5094730.957
85	4/28/2021 14:31	2:31 PM	52.3	509473.0957
86	4/28/2021 14:31	2:31 PM	48.9	232874.135
87	4/28/2021 14:31	2:31 PM	49.5	267375.2814
88	4/28/2021 14:31	2:31 PM	49.3	255341.4115
89	4/28/2021 14:31	2:31 PM	50.1	306987.8977
90	4/28/2021 14:32	2:32 PM	51.4	414115.2794
91	4/28/2021 14:32	2:32 PM	60.5	3366055.363

92	4/28/2021 14:32	2:32 PM	63.1	6125213.834
93	4/28/2021 14:32	2:32 PM	54	753565.9295
94	4/28/2021 14:32	2:32 PM	50	300000
95	4/28/2021 14:32	2:32 PM	59.5	2673752.814
96	4/28/2021 14:32	2:32 PM	52.3	509473.0957
97	4/28/2021 14:32	2:32 PM	51.7	443732.5165
98	4/28/2021 14:32	2:32 PM	54	753565.9295
99	4/28/2021 14:32	2:32 PM	48.7	222393.0724
100	4/28/2021 14:32	2:32 PM	50.7	352469.2665
101	4/28/2021 14:32	2:32 PM	45.5	106444.0168
102	4/28/2021 14:32	2:32 PM	45.6	108923.4164
103	4/28/2021 14:32	2:32 PM	46	119432.1512
104	4/28/2021 14:32	2:32 PM	46.5	134005.0776
105	4/28/2021 14:32	2:32 PM	48.1	193696.2687
106	4/28/2021 14:32	2:32 PM	49.1	243849.1548
107	4/28/2021 14:32	2:32 PM	48.7	222393.0724
108	4/28/2021 14:32	2:32 PM	46.5	134005.0776
109	4/28/2021 14:32	2:32 PM	46.2	125060.815
110	4/28/2021 14:33	2:33 PM	51.5	423761.2634
111	4/28/2021 14:33	2:33 PM	50.6	344446.0864
112	4/28/2021 14:33	2:33 PM	48.3	202824.8926
113	4/28/2021 14:33	2:33 PM	49.9	293171.1663
114	4/28/2021 14:33	2:33 PM	49.4	261289.077
115	4/28/2021 14:33	2:33 PM	47.7	176653.0966
116	4/28/2021 14:33	2:33 PM	47.2	157442.2381
117	4/28/2021 14:33	2:33 PM	47.8	180767.8758
118	4/28/2021 14:33	2:33 PM	49.6	273603.2518
119	4/28/2021 14:33	2:33 PM	48.9	232874.135
120	4/28/2021 14:33	2:33 PM	49.4	261289.077
121	4/28/2021 14:33	2:33 PM	48.4	207549.2913
122	4/28/2021 14:33	2:33 PM	47.3	161109.5389
123	4/28/2021 14:33	2:33 PM	50.5	336605.5363
124	4/28/2021 14:33	2:33 PM	47.1	153858.4152
125	4/28/2021 14:33	2:33 PM	47.9	184978.5006
126	4/28/2021 14:33	2:33 PM	50.5	336605.5363
127	4/28/2021 14:33	2:33 PM	59.8	2864977.758
128	4/28/2021 14:33	2:33 PM	63.7	7032686.446
129	4/28/2021 14:33	2:33 PM	52.6	545910.2576
130	4/28/2021 14:34	2:34 PM	48.2	198208.0344
131	4/28/2021 14:34	2:34 PM	47.1	153858.4152
132	4/28/2021 14:34	2:34 PM	45.8	114056.8189
133	4/28/2021 14:34	2:34 PM	45.6	108923.4164
134	4/28/2021 14:34	2:34 PM	45.7	111460.5687
135	4/28/2021 14:34	2:34 PM	46.8	143589.0277
136	4/28/2021 14:34	2:34 PM	48.1	193696.2687
137	4/28/2021 14:34	2:34 PM	54.1	771118.7348
138	4/28/2021 14:34	2:34 PM	62.1	4865430.292
139	4/28/2021 14:34	2:34 PM	54.5	845514.8794
140	4/28/2021 14:34	2:34 PM	49.8	286497.7758
141	4/28/2021 14:34	2:34 PM	48.3	202824.8926
142	4/28/2021 14:34	2:34 PM	47.7	176653.0966
143	4/28/2021 14:34	2:34 PM	49.1	243849.1548
144	4/28/2021 14:34	2:34 PM	47.2	157442.2381
145	4/28/2021 14:34	2:34 PM	47.8	180767.8758
146	4/28/2021 14:34	2:34 PM	47.7	176653.0966

147	4/28/2021 14:34	2:34 PM	50.1	306987.8977
148	4/28/2021 14:34	2:34 PM	61.4	4141152.794
149	4/28/2021 14:34	2:34 PM	55.4	1040210.551
150	4/28/2021 14:35	2:35 PM	51.6	433631.9312
151	4/28/2021 14:35	2:35 PM	47.8	180767.8758
152	4/28/2021 14:35	2:35 PM	48.4	207549.2913
153	4/28/2021 14:35	2:35 PM	47.5	168702.3976
154	4/28/2021 14:35	2:35 PM	49.9	293171.1663
155	4/28/2021 14:35	2:35 PM	51.2	395477.0216
156	4/28/2021 14:35	2:35 PM	50.1	306987.8977
157	4/28/2021 14:35	2:35 PM	49.2	249529.1313
158	4/28/2021 14:35	2:35 PM	49.5	267375.2814
159	4/28/2021 14:35	2:35 PM	50.3	321455.7916
160	4/28/2021 14:35	2:35 PM	52.2	497876.0722
161	4/28/2021 14:35	2:35 PM	58.6	2173307.88
162	4/28/2021 14:35	2:35 PM	63.1	6125213.834
163	4/28/2021 14:35	2:35 PM	67.8	18076787.58
164	4/28/2021 14:35	2:35 PM	66	11943215.12
165	4/28/2021 14:35	2:35 PM	60	3000000
166	4/28/2021 14:35	2:35 PM	53.5	671616.3416
167	4/28/2021 14:35	2:35 PM	49.6	273603.2518
168	4/28/2021 14:35	2:35 PM	50.9	369080.6312
169	4/28/2021 14:35	2:35 PM	55.2	993393.3644
170	4/28/2021 14:36	2:36 PM	56.2	1250608.15
171	4/28/2021 14:36	2:36 PM	65.7	11146056.87
172	4/28/2021 14:36	2:36 PM	63	5985786.945
173	4/28/2021 14:36	2:36 PM	54.1	771118.7348
174	4/28/2021 14:36	2:36 PM	52.8	571638.2154
175	4/28/2021 14:36	2:36 PM	50.8	360679.3304
176	4/28/2021 14:36	2:36 PM	50	300000
177	4/28/2021 14:36	2:36 PM	48.2	198208.0344
178	4/28/2021 14:36	2:36 PM	47.6	172631.9812
179	4/28/2021 14:36	2:36 PM	47.9	184978.5006
180	4/28/2021 14:36	2:36 PM	46.9	146933.6458
181	4/28/2021 14:36	2:36 PM	50.7	352469.2665
182	4/28/2021 14:36	2:36 PM	47.7	176653.0966
183	4/28/2021 14:36	2:36 PM	48	189287.2033
184	4/28/2021 14:36	2:36 PM	49.7	279976.2902
185	4/28/2021 14:36	2:36 PM	50.8	360679.3304
186	4/28/2021 14:36	2:36 PM	50.1	306987.8977
187	4/28/2021 14:36	2:36 PM	50.9	369080.6312
188	4/28/2021 14:36	2:36 PM	49.4	261289.077
189	4/28/2021 14:36	2:36 PM	57.7	1766530.966
190	4/28/2021 14:37	2:37 PM	63.8	7196498.757
191	4/28/2021 14:37	2:37 PM	55	948683.2981
192	4/28/2021 14:37	2:37 PM	48.9	232874.135
193	4/28/2021 14:37	2:37 PM	49	238298.4704
194	4/28/2021 14:37	2:37 PM	49.8	286497.7758
195	4/28/2021 14:37	2:37 PM	61.2	3954770.216
196	4/28/2021 14:37	2:37 PM	61.5	4237612.634
197	4/28/2021 14:37	2:37 PM	54.3	807460.4412
198	4/28/2021 14:37	2:37 PM	52.2	497876.0722
199	4/28/2021 14:37	2:37 PM	51.6	433631.9312
200	4/28/2021 14:37	2:37 PM	51.8	454068.3745

```
        Freq Weight : A
        Time Weight : SLOW
        Level Range : 40-100
        Max dB : 77.9 - 2021/04/28 15:04:04        Noise Measurement 7
        Level Range : 40-100
        SEL :  84.6
        Leq :  56.9

        No.s          Date Time        (dB)
        --------------------------------------------------------------------
          1  2021/04/28 14:55:03     49.7    56.4    49.3    54.5    51.0
          6  2021/04/28 14:55:18     49.8    54.2    56.6    51.8    48.9
         11  2021/04/28 14:55:33     47.5    47.8    49.1    47.5    49.4
         16  2021/04/28 14:55:48     48.3    48.4    47.3    46.9    46.9
         21  2021/04/28 14:56:03     46.6    47.2    46.5    46.7    45.5
         26  2021/04/28 14:56:18     46.4    46.7    46.4    46.1    46.8
         31  2021/04/28 14:56:33     45.9    45.8    46.4    46.1    46.2
         36  2021/04/28 14:56:48     45.1    47.5    45.6    46.0    45.9
         41  2021/04/28 14:57:03     46.0    45.7    46.1    47.2    48.0
         46  2021/04/28 14:57:18     48.3    46.5    46.4    47.6    48.0
         51  2021/04/28 14:57:33     46.9    47.9    48.0    47.6    47.4
         56  2021/04/28 14:57:48     49.4    49.2    47.9    49.8    49.6
         61  2021/04/28 14:58:03     50.2    52.5    49.6    49.6    48.7
         66  2021/04/28 14:58:18     49.0    49.2    47.3    47.7    47.2
         71  2021/04/28 14:58:33     52.0    50.2    49.9    49.7    49.1
         76  2021/04/28 14:58:48     47.2    46.2    47.6    46.5    45.6
         81  2021/04/28 14:59:03     45.3    44.8    45.6    45.4    45.7
         86  2021/04/28 14:59:18     46.6    48.1    46.3    45.1    45.3
         91  2021/04/28 14:59:33     46.7    46.9    46.6    45.7    46.4
         96  2021/04/28 14:59:48     47.6    47.1    47.7    46.2    46.3
        101  2021/04/28 15:00:03     47.1    48.7    47.8    46.7    46.3
        106  2021/04/28 15:00:18     47.7    47.8    47.4    47.6    46.8
        111  2021/04/28 15:00:33     46.9    46.6    46.7    47.1    47.3
        116  2021/04/28 15:00:48     48.0    47.8    47.0    46.2    46.4
        121  2021/04/28 15:01:03     46.3    46.5    46.6    46.5    46.1
        126  2021/04/28 15:01:18     47.4    47.6    51.8    58.2    57.3
        131  2021/04/28 15:01:33     49.4    50.4    52.8    49.4    48.6
        136  2021/04/28 15:01:48     47.5    48.2    51.3    47.1    47.6
        141  2021/04/28 15:02:03     46.1    45.9    45.6    47.5    50.5
        146  2021/04/28 15:02:18     57.7    53.6    50.0    46.8    47.3
        151  2021/04/28 15:02:33     48.8    47.0    47.0    47.9    47.0
        156  2021/04/28 15:02:48     46.1    46.3    50.0    47.6    47.0
        161  2021/04/28 15:03:03     46.3    46.0    45.5    45.3    44.8
        166  2021/04/28 15:03:18     46.2    45.7    47.1    47.3    46.2
        171  2021/04/28 15:03:33     46.8    46.1    45.7    45.7    47.4
        176  2021/04/28 15:03:48     47.0    46.3    53.1    57.0    67.2
        181  2021/04/28 15:04:03     77.9    72.1    62.2    65.7    63.3
        186  2021/04/28 15:04:18     68.2    59.1    56.5    51.3    47.4
        191  2021/04/28 15:04:33     46.9    46.6    46.9    47.4    47.0
        196  2021/04/28 15:04:48     46.7    47.5    47.1    46.1    45.7
```

```
-        Freq Weight : A
-        Time Weight : SLOW
-        Level Range : 40-100                               Noise Measurement 8
-        Max dB : 71.2 - 2021/04/28 15:41:23
-        Level Range : 40-100
-        SEL :  85.7
-        Leq :  58.0
-

         No.s           Date Time      (dB)
         --------------------------------------------------------------------------
           1  2021/04/28 15:35:54    54.3    51.1    49.1    49.7    50.1
           6  2021/04/28 15:36:09    51.4    55.5    60.1    62.4    57.8
          11  2021/04/28 15:36:24    56.3    56.1    58.0    58.1    62.3
          16  2021/04/28 15:36:39    62.5    60.9    53.6    57.4    57.6
          21  2021/04/28 15:36:54    51.7    51.6    50.2    56.0    53.4
          26  2021/04/28 15:37:09    51.8    57.2    54.5    53.1    53.5
          31  2021/04/28 15:37:24    52.0    54.8    60.9    59.0    58.6
          36  2021/04/28 15:37:39    52.5    49.7    53.0    49.8    50.4
          41  2021/04/28 15:37:54    50.5    50.2    51.5    57.6    64.7
          46  2021/04/28 15:38:09    59.3    52.7    51.4    53.4    56.3
          51  2021/04/28 15:38:24    57.7    59.5    60.9    67.2    59.8
          56  2021/04/28 15:38:39    53.1    54.5    55.7    53.4    50.8
          61  2021/04/28 15:38:54    51.4    54.6    50.2    49.4    50.7
          66  2021/04/28 15:39:09    48.9    47.6    47.4    47.3    47.8
          71  2021/04/28 15:39:24    47.7    48.0    47.8    47.3    48.1
          76  2021/04/28 15:39:39    48.5    50.4    54.2    66.1    63.6
          81  2021/04/28 15:39:54    57.1    64.5    56.1    50.0    52.9
          86  2021/04/28 15:40:09    59.4    55.8    51.1    49.2    49.2
          91  2021/04/28 15:40:24    48.7    48.3    48.4    47.9    48.3
          96  2021/04/28 15:40:39    48.2    50.6    61.8    63.1    54.1
         101  2021/04/28 15:40:54    51.4    57.9    57.8    59.0    61.9
         106  2021/04/28 15:41:09    53.7    49.1    50.5    56.8    69.3
         111  2021/04/28 15:41:24    58.7    59.4    63.4    66.3    66.1
         116  2021/04/28 15:41:39    67.3    61.5    56.6    55.4    55.9
         121  2021/04/28 15:41:54    53.9    50.4    49.4    47.5    46.8
         126  2021/04/28 15:42:09    47.1    48.2    48.6    47.4    47.5
         131  2021/04/28 15:42:24    47.9    52.1    52.3    65.3    61.0
         136  2021/04/28 15:42:39    69.5    60.1    53.5    53.5    61.6
         141  2021/04/28 15:42:54    53.7    48.2    47.9    46.9    46.1
         146  2021/04/28 15:43:09    47.3    47.6    46.7    47.2    48.3
         151  2021/04/28 15:43:24    49.4    47.9    52.8    54.5    62.4
         156  2021/04/28 15:43:39    55.7    53.2    54.0    55.3    53.2
         161  2021/04/28 15:43:54    50.8    48.6    47.0    46.7    46.3
         166  2021/04/28 15:44:09    46.7    46.1    45.6    46.2    47.4
         171  2021/04/28 15:44:24    47.8    48.4    46.9    47.3    46.5
         176  2021/04/28 15:44:39    47.3    49.5    50.2    58.3    65.0
         181  2021/04/28 15:44:54    59.4    60.3    55.9    61.1    64.9
         186  2021/04/28 15:45:09    58.3    50.7    50.0    50.6    49.3
         191  2021/04/28 15:45:24    48.5    47.1    47.8    50.3    53.2
         196  2021/04/28 15:45:39    54.2    52.5    50.0    52.4    57.0
```

```
-    Freq Weight : A
-    Time Weight : SLOW                                    Noise Measurement 9
-    Level Range : 40-100
-    Max dB : 74.7 - 2021/04/28 16:09:02
-    Level Range : 40-100
-    SEL :  90.1
-    Leq :  62.4
-

     No.s         Date Time      (dB)
    ------------------------------------------------------------------------
       1  2021/04/28 16:03:59     48.1    50.6    48.1    48.8    49.3
       6  2021/04/28 16:04:14     62.9    71.2    67.9    65.3    65.8
      11  2021/04/28 16:04:29     69.7    59.0    52.5    50.3    50.1
      16  2021/04/28 16:04:44     49.8    49.3    49.4    51.0    55.1
      21  2021/04/28 16:04:59     65.2    66.3    63.2    70.5    60.1
      26  2021/04/28 16:05:14     52.9    52.0    52.2    52.7    52.7
      31  2021/04/28 16:05:29     51.6    59.9    69.7    60.3    50.9
      36  2021/04/28 16:05:44     47.8    49.8    51.9    50.8    50.8
      41  2021/04/28 16:05:59     48.1    48.4    61.6    65.7    55.5
      46  2021/04/28 16:06:14     54.0    53.8    69.1    61.3    55.7
      51  2021/04/28 16:06:29     55.0    52.5    47.9    46.4    47.0
      56  2021/04/28 16:06:44     50.1    51.2    48.6    47.8    47.7
      61  2021/04/28 16:06:59     47.8    47.8    47.3    47.9    48.3
      66  2021/04/28 16:07:14     47.7    48.9    48.3    48.4    48.7
      71  2021/04/28 16:07:29     66.9    68.3    59.0    55.0    50.3
      76  2021/04/28 16:07:44     46.8    45.6    45.7    46.1    48.1
      81  2021/04/28 16:07:59     48.9    49.8    47.9    48.0    49.0
      86  2021/04/28 16:08:14     49.3    50.3    50.6    51.2    50.4
      91  2021/04/28 16:08:29     53.1    65.2    69.1    58.4    50.3
      96  2021/04/28 16:08:44     47.0    46.3    46.6    47.4    54.1
     101  2021/04/28 16:08:59     74.4    68.0    72.7    69.3    60.3
     106  2021/04/28 16:09:14     57.2    71.4    67.6    65.9    59.0
     111  2021/04/28 16:09:29     59.9    56.4    53.8    50.6    49.9
     116  2021/04/28 16:09:44     48.5    51.6    51.7    52.9    53.2
     121  2021/04/28 16:09:59     70.1    63.9    53.0    47.9    48.4
     126  2021/04/28 16:10:14     49.7    53.4    70.4    67.4    57.1
     131  2021/04/28 16:10:29     50.2    48.1    48.8    50.7    52.7
     136  2021/04/28 16:10:44     52.4    51.8    50.3    49.3    48.2
     141  2021/04/28 16:10:59     48.1    50.0    60.8    71.2    61.1
     146  2021/04/28 16:11:14     52.9    49.2    48.4    48.3    48.0
     151  2021/04/28 16:11:29     49.3    49.4    54.8    69.6    62.5
     156  2021/04/28 16:11:44     73.1    62.7    53.4    51.1    61.7
     161  2021/04/28 16:11:59     64.4    57.2    53.3    60.4    64.2
     166  2021/04/28 16:12:14     70.9    65.3    56.8    66.3    68.5
     171  2021/04/28 16:12:29     57.6    50.3    49.9    50.3    63.4
     176  2021/04/28 16:12:44     68.9    57.8    56.8    56.0    53.3
     181  2021/04/28 16:12:59     51.5    50.6    51.2    49.2    49.6
     186  2021/04/28 16:13:14     52.3    62.9    60.8    53.4    49.7
     191  2021/04/28 16:13:29     48.1    47.9    48.4    48.7    49.3
     196  2021/04/28 16:13:44     48.3    48.0    48.3    54.5    70.6
```

```
-        Freq Weight : A
-        Time Weight : SLOW
-        Level Range : 40-100                        Noise Measurement 10
-        Max dB : 77.0 - 2021/04/28 16:35:56
-        Level Range : 40-100
-        SEL :  91.2
-        Leq :  63.5
-

         No.s           Date Time       (dB)
        ----------------------------------------------------------------------
           1   2021/04/28 16:30:30    60.8      59.3      58.1      58.2      58.6
           6   2021/04/28 16:30:45    60.7      61.5      59.6      61.7      62.3
          11   2021/04/28 16:31:00    63.4      61.9      64.8      65.5      64.1
          16   2021/04/28 16:31:15    63.1      63.4      64.2      63.4      62.3
          21   2021/04/28 16:31:30    62.3      61.5      61.3      60.8      60.9
          26   2021/04/28 16:31:45    61.3      60.1      60.6      63.5      58.7
          31   2021/04/28 16:32:00    57.7      61.0      61.5      63.4      65.0
          36   2021/04/28 16:32:15    69.5      68.8      65.4      65.6      62.9
          41   2021/04/28 16:32:30    59.5      58.9      59.0      69.0      67.9
          46   2021/04/28 16:32:45    61.3      58.9      65.0      64.4      59.4
          51   2021/04/28 16:33:00    57.2      56.5      59.8      59.8      57.6
          56   2021/04/28 16:33:15    55.8      57.3      58.7      59.8      62.8
          61   2021/04/28 16:33:30    61.0      63.8      64.9      62.7      61.5
          66   2021/04/28 16:33:45    60.7      63.0      63.3      61.3      61.9
          71   2021/04/28 16:34:00    65.5      65.3      65.2      64.7      65.4
          76   2021/04/28 16:34:15    73.4      62.5      57.1      56.2      56.6
          81   2021/04/28 16:34:30    59.7      62.2      63.9      61.9      58.2
          86   2021/04/28 16:34:45    57.9      55.2      55.3      57.9      63.3
          91   2021/04/28 16:35:00    64.0      60.4      60.3      60.3      58.9
          96   2021/04/28 16:35:15    59.8      58.9      58.2      56.4      57.1
         101   2021/04/28 16:35:30    57.0      62.0      64.6      71.1      65.5
         106   2021/04/28 16:35:45    62.8      62.3      63.4      76.8      72.3
         111   2021/04/28 16:36:00    70.4      64.0      61.8      59.8      62.6
         116   2021/04/28 16:36:15    61.6      62.2      61.3      61.7      62.8
         121   2021/04/28 16:36:30    63.1      57.5      58.7      58.8      58.6
         126   2021/04/28 16:36:45    61.5      60.3      61.3      58.1      57.0
         131   2021/04/28 16:37:00    56.5      59.1      62.8      61.1      59.3
         136   2021/04/28 16:37:15    59.5      58.7      58.1      58.8      57.5
         141   2021/04/28 16:37:30    57.1      58.0      57.7      55.6      56.0
         146   2021/04/28 16:37:45    57.5      58.1      57.6      57.3      55.9
         151   2021/04/28 16:38:00    55.7      57.6      63.3      71.0      74.2
         156   2021/04/28 16:38:15    64.5      60.9      60.5      62.7      62.8
         161   2021/04/28 16:38:30    62.2      62.3      62.1      63.7      64.4
         166   2021/04/28 16:38:45    64.2      63.0      62.5      61.5      60.5
         171   2021/04/28 16:39:00    61.3      60.3      59.5      57.6      59.4
         176   2021/04/28 16:39:15    60.9      62.1      61.9      63.1      62.2
         181   2021/04/28 16:39:30    59.8      60.4      58.9      59.1      61.7
         186   2021/04/28 16:39:45    62.6      58.4      57.3      57.3      57.2
         191   2021/04/28 16:40:00    56.6      58.0      61.7      59.3      58.6
         196   2021/04/28 16:40:15    57.3      58.1      61.3      61.5      61.1
```

```
-        Freq Weight : A
-        Time Weight : SLOW
-        Level Range : 40-100
-        Max dB : 69.9 - 2021/04/28 17:05:28      Noise Measurement 11
-        Level Range : 40-100
-        SEL :   85.0
-        Leq :   57.3
-

         No.s          Date Time        (dB)
        -----------------------------------------------------------------------
           1   2021/04/28 17:00:52      55.0      50.9      49.8      51.9      50.2
           6   2021/04/28 17:01:07      54.2      61.1      54.6      50.9      53.3
          11   2021/04/28 17:01:22      52.6      62.6      55.8      55.4      54.0
          16   2021/04/28 17:01:37      51.1      49.6      50.1      52.0      55.5
          21   2021/04/28 17:01:52      53.9      53.5      59.4      63.1      56.9
          26   2021/04/28 17:02:07      56.0      54.5      58.9      63.0      62.7
          31   2021/04/28 17:02:22      57.0      56.2      52.3      50.3      49.8
          36   2021/04/28 17:02:37      49.4      50.9      50.4      50.3      52.1
          41   2021/04/28 17:02:52      54.6      53.9      51.2      51.3      54.2
          46   2021/04/28 17:03:07      51.9      56.1      55.2      51.7      50.9
          51   2021/04/28 17:03:22      51.1      51.0      53.6      54.1      57.1
          56   2021/04/28 17:03:37      53.6      53.0      53.1      59.1      57.3
          61   2021/04/28 17:03:52      52.9      52.4      54.1      51.4      54.1
          66   2021/04/28 17:04:07      55.8      63.4      63.3      55.2      53.6
          71   2021/04/28 17:04:22      52.3      51.6      53.3      54.6      56.1
          76   2021/04/28 17:04:37      59.0      56.4      57.3      58.7      56.5
          81   2021/04/28 17:04:52      54.6      55.1      56.4      58.9      61.6
          86   2021/04/28 17:05:07      57.6      57.4      57.2      57.2      56.8
          91   2021/04/28 17:05:22      61.7      68.7      65.3      61.7      59.0
          96   2021/04/28 17:05:37      59.0      59.2      59.0      60.3      62.6
         101   2021/04/28 17:05:52      64.3      62.6      60.0      59.9      58.7
         106   2021/04/28 17:06:07      57.9      56.8      55.8      54.4      54.4
         111   2021/04/28 17:06:22      57.1      54.9      53.2      57.7      57.2
         116   2021/04/28 17:06:37      62.2      59.4      54.8      55.4      52.7
         121   2021/04/28 17:06:52      56.1      52.5      51.9      52.9      53.9
         126   2021/04/28 17:07:07      55.9      58.6      54.9      61.6      56.9
         131   2021/04/28 17:07:22      56.5      62.8      57.8      54.0      54.4
         136   2021/04/28 17:07:37      57.2      54.1      52.6      52.4      52.3
         141   2021/04/28 17:07:52      52.6      53.9      56.1      56.0      56.0
         146   2021/04/28 17:08:07      59.4      59.5      57.5      59.3      59.1
         151   2021/04/28 17:08:22      61.2      58.2      55.1      55.3      56.8
         156   2021/04/28 17:08:37      54.3      53.0      53.2      53.5      54.0
         161   2021/04/28 17:08:52      54.7      55.7      54.2      53.1      54.0
         166   2021/04/28 17:09:07      53.5      53.0      52.8      52.9      53.7
         171   2021/04/28 17:09:22      57.8      57.2      56.3      55.2      54.6
         176   2021/04/28 17:09:37      54.7      56.0      56.0      54.4      54.0
         181   2021/04/28 17:09:52      53.8      53.5      53.4      53.9      53.6
         186   2021/04/28 17:10:07      53.6      54.0      53.7      54.2      57.4
         191   2021/04/28 17:10:22      55.9      61.3      61.1      55.4      54.3
         196   2021/04/28 17:10:37      55.1      55.2      55.2      56.9      54.5
```

Noise Measurement 12

Data Logger 2
Duration (seconds)   3
Weighting   A
Response   SLOW
Range   40-100
L05   76.9
L10   75.5
L50   71.3
L90   64.7
L95   63.6
Lmax   87.1
Time   4/28/2021 17:36
SEL   97.7
Leq   **73.0**

No.s	Date Time	Time	dB	Sound Energy
1	4/28/2021 17:35	5:35 PM	75.9	116713543.5
2	4/28/2021 17:36	5:36 PM	85.9	1167135435
3	4/28/2021 17:36	5:36 PM	76.5	134005077.6
4	4/28/2021 17:36	5:36 PM	74.6	86520945.09
5	4/28/2021 17:36	5:36 PM	75.4	104021055.1
6	4/28/2021 17:36	5:36 PM	72.9	58495337.99
7	4/28/2021 17:36	5:36 PM	72.2	49787607.22
8	4/28/2021 17:36	5:36 PM	75.2	99339336.44
9	4/28/2021 17:36	5:36 PM	74.7	88536276.8
10	4/28/2021 17:36	5:36 PM	75.1	97078097.08
11	4/28/2021 17:36	5:36 PM	71.1	38647486.55
12	4/28/2021 17:36	5:36 PM	66.2	12506081.5
13	4/28/2021 17:36	5:36 PM	65.7	11146056.87
14	4/28/2021 17:36	5:36 PM	62.8	5716382.154
15	4/28/2021 17:36	5:36 PM	64.4	8262686.11
16	4/28/2021 17:36	5:36 PM	61.9	4646449.857
17	4/28/2021 17:36	5:36 PM	63.1	6125213.834
18	4/28/2021 17:36	5:36 PM	66.1	12221408.33
19	4/28/2021 17:36	5:36 PM	75.6	108923416.4
20	4/28/2021 17:36	5:36 PM	74.1	77111873.48
21	4/28/2021 17:36	5:36 PM	74.4	82626861.1
22	4/28/2021 17:37	5:37 PM	75.1	97078097.08
23	4/28/2021 17:37	5:37 PM	74.7	88536276.8
24	4/28/2021 17:37	5:37 PM	74.3	80746044.12
25	4/28/2021 17:37	5:37 PM	69.4	26128907.7
26	4/28/2021 17:37	5:37 PM	70.6	34444608.64
27	4/28/2021 17:37	5:37 PM	73.8	71964987.57
28	4/28/2021 17:37	5:37 PM	79.7	279976290.2
29	4/28/2021 17:37	5:37 PM	79.9	293171166.3
30	4/28/2021 17:37	5:37 PM	73.9	73641267.47
31	4/28/2021 17:37	5:37 PM	73.6	68726029.58
32	4/28/2021 17:37	5:37 PM	68.9	23287413.5
33	4/28/2021 17:37	5:37 PM	72.2	49787607.22
34	4/28/2021 17:37	5:37 PM	70.5	33660553.63
35	4/28/2021 17:37	5:37 PM	67.1	15385841.52
36	4/28/2021 17:37	5:37 PM	72.8	57163821.54

37	4/28/2021 17:37	5:37 PM	77.3	161109538.9
38	4/28/2021 17:37	5:37 PM	73.2	62678883.93
39	4/28/2021 17:37	5:37 PM	69.1	24384915.48
40	4/28/2021 17:37	5:37 PM	65	9486832.981
41	4/28/2021 17:37	5:37 PM	62	4754679.577
42	4/28/2021 17:38	5:38 PM	62.9	5849533.799
43	4/28/2021 17:38	5:38 PM	73.9	73641267.47
44	4/28/2021 17:38	5:38 PM	66.5	13400507.76
45	4/28/2021 17:38	5:38 PM	60.8	3606793.304
46	4/28/2021 17:38	5:38 PM	59.9	2931711.663
47	4/28/2021 17:38	5:38 PM	73.1	61252138.34
48	4/28/2021 17:38	5:38 PM	75.4	104021055.1
49	4/28/2021 17:38	5:38 PM	73.9	73641267.47
50	4/28/2021 17:38	5:38 PM	70.3	32145579.16
51	4/28/2021 17:38	5:38 PM	72.7	55862614.1
52	4/28/2021 17:38	5:38 PM	68.6	21733078.8
53	4/28/2021 17:38	5:38 PM	70.7	35246926.65
54	4/28/2021 17:38	5:38 PM	67.4	16486226.22
55	4/28/2021 17:38	5:38 PM	71.1	38647486.55
56	4/28/2021 17:38	5:38 PM	65.1	9707809.708
57	4/28/2021 17:38	5:38 PM	72.4	52134024.86
58	4/28/2021 17:38	5:38 PM	72.2	49787607.22
59	4/28/2021 17:38	5:38 PM	67.3	16110953.89
60	4/28/2021 17:38	5:38 PM	69.8	28649777.58
61	4/28/2021 17:38	5:38 PM	74.8	90598551.61
62	4/28/2021 17:39	5:39 PM	73.2	62678883.93
63	4/28/2021 17:39	5:39 PM	76.1	122214083.3
64	4/28/2021 17:39	5:39 PM	71.5	42376126.34
65	4/28/2021 17:39	5:39 PM	73.5	67161634.16
66	4/28/2021 17:39	5:39 PM	72.3	50947309.57
67	4/28/2021 17:39	5:39 PM	76.9	146933645.8
68	4/28/2021 17:39	5:39 PM	75.3	101653246.8
69	4/28/2021 17:39	5:39 PM	72.5	53348382.3
70	4/28/2021 17:39	5:39 PM	68.8	22757327.25
71	4/28/2021 17:39	5:39 PM	73.7	70326864.46
72	4/28/2021 17:39	5:39 PM	67	15035617.01
73	4/28/2021 17:39	5:39 PM	66.9	14693364.58
74	4/28/2021 17:39	5:39 PM	70.6	34444608.64
75	4/28/2021 17:39	5:39 PM	71.4	41411527.94
76	4/28/2021 17:39	5:39 PM	72	47546795.77
77	4/28/2021 17:39	5:39 PM	67.6	17263198.12
78	4/28/2021 17:39	5:39 PM	73.4	65632848.72
79	4/28/2021 17:39	5:39 PM	72.2	49787607.22
80	4/28/2021 17:39	5:39 PM	72.7	55862614.1
81	4/28/2021 17:39	5:39 PM	71.2	39547702.16
82	4/28/2021 17:40	5:40 PM	75	94868329.81
83	4/28/2021 17:40	5:40 PM	71.5	42376126.34
84	4/28/2021 17:40	5:40 PM	68	18928720.33
85	4/28/2021 17:40	5:40 PM	73.7	70326864.46
86	4/28/2021 17:40	5:40 PM	70.5	33660553.63
87	4/28/2021 17:40	5:40 PM	69.7	27997629.02
88	4/28/2021 17:40	5:40 PM	66.3	12797385.56
89	4/28/2021 17:40	5:40 PM	63.8	7196498.757
90	4/28/2021 17:40	5:40 PM	64.6	8652094.509
91	4/28/2021 17:40	5:40 PM	63.9	7364126.747

92	4/28/2021 17:40	5:40 PM	70.5	33660553.63
93	4/28/2021 17:40	5:40 PM	72.6	54591025.76
94	4/28/2021 17:40	5:40 PM	70.8	36067933.04
95	4/28/2021 17:40	5:40 PM	67.7	17665309.66
96	4/28/2021 17:40	5:40 PM	65.8	11405681.89
97	4/28/2021 17:40	5:40 PM	67.7	17665309.66
98	4/28/2021 17:40	5:40 PM	64.9	9270886.298
99	4/28/2021 17:40	5:40 PM	66.5	13400507.76
100	4/28/2021 17:40	5:40 PM	71.9	46464498.57
101	4/28/2021 17:40	5:40 PM	73.4	65632848.72
102	4/28/2021 17:41	5:41 PM	74.3	80746044.12
103	4/28/2021 17:41	5:41 PM	73.8	71964987.57
104	4/28/2021 17:41	5:41 PM	74.1	77111873.48
105	4/28/2021 17:41	5:41 PM	68.8	22757327.25
106	4/28/2021 17:41	5:41 PM	71.2	39547702.16
107	4/28/2021 17:41	5:41 PM	73	59857869.45
108	4/28/2021 17:41	5:41 PM	74.8	90598551.61
109	4/28/2021 17:41	5:41 PM	72	47546795.77
110	4/28/2021 17:41	5:41 PM	71.3	40468886.48
111	4/28/2021 17:41	5:41 PM	68.5	21238373.53
112	4/28/2021 17:41	5:41 PM	71.5	42376126.34
113	4/28/2021 17:41	5:41 PM	75.8	114056818.9
114	4/28/2021 17:41	5:41 PM	77.5	168702397.6
115	4/28/2021 17:41	5:41 PM	70.7	35246926.65
116	4/28/2021 17:41	5:41 PM	75.3	101653246.8
117	4/28/2021 17:41	5:41 PM	71.1	38647486.55
118	4/28/2021 17:41	5:41 PM	71.7	44373251.65
119	4/28/2021 17:41	5:41 PM	70.5	33660553.63
120	4/28/2021 17:41	5:41 PM	74.2	78908039.76
121	4/28/2021 17:41	5:41 PM	73.9	73641267.47
122	4/28/2021 17:42	5:42 PM	74.9	92708862.98
123	4/28/2021 17:42	5:42 PM	77.5	168702397.6
124	4/28/2021 17:42	5:42 PM	71.6	43363193.12
125	4/28/2021 17:42	5:42 PM	73.7	70326864.46
126	4/28/2021 17:42	5:42 PM	78.7	222393072.4
127	4/28/2021 17:42	5:42 PM	72.7	55862614.1
128	4/28/2021 17:42	5:42 PM	68.8	22757327.25
129	4/28/2021 17:42	5:42 PM	70.1	30698789.77
130	4/28/2021 17:42	5:42 PM	70.4	32894345.88
131	4/28/2021 17:42	5:42 PM	65.2	9933933.644
132	4/28/2021 17:42	5:42 PM	63.6	6872602.958
133	4/28/2021 17:42	5:42 PM	64.5	8455148.794
134	4/28/2021 17:42	5:42 PM	67.6	17263198.12
135	4/28/2021 17:42	5:42 PM	68.8	22757327.25
136	4/28/2021 17:42	5:42 PM	68.6	21733078.8
137	4/28/2021 17:42	5:42 PM	66.9	14693364.58
138	4/28/2021 17:42	5:42 PM	65.8	11405681.89
139	4/28/2021 17:42	5:42 PM	64.9	9270886.298
140	4/28/2021 17:42	5:42 PM	71.8	45406837.45
141	4/28/2021 17:42	5:42 PM	72.7	55862614.1
142	4/28/2021 17:43	5:43 PM	71.4	41411527.94
143	4/28/2021 17:43	5:43 PM	74.2	78908039.76
144	4/28/2021 17:43	5:43 PM	70.1	30698789.77
145	4/28/2021 17:43	5:43 PM	67.6	17263198.12
146	4/28/2021 17:43	5:43 PM	71.5	42376126.34

147	4/28/2021 17:43	5:43 PM	71.3	40468886.48
148	4/28/2021 17:43	5:43 PM	75.9	116713543.5
149	4/28/2021 17:43	5:43 PM	70.4	32894345.88
150	4/28/2021 17:43	5:43 PM	79.5	267375281.4
151	4/28/2021 17:43	5:43 PM	74.8	90598551.61
152	4/28/2021 17:43	5:43 PM	70.5	33660553.63
153	4/28/2021 17:43	5:43 PM	65.9	11671354.35
154	4/28/2021 17:43	5:43 PM	68.2	19820803.44
155	4/28/2021 17:43	5:43 PM	65.7	11146056.87
156	4/28/2021 17:43	5:43 PM	64.2	7890803.976
157	4/28/2021 17:43	5:43 PM	75	94868329.81
158	4/28/2021 17:43	5:43 PM	67.4	16486226.22
159	4/28/2021 17:43	5:43 PM	64.2	7890803.976
160	4/28/2021 17:43	5:43 PM	64.7	8853627.68
161	4/28/2021 17:43	5:43 PM	73.4	65632848.72
162	4/28/2021 17:44	5:44 PM	75.7	111460568.7
163	4/28/2021 17:44	5:44 PM	70.9	36908063.12
164	4/28/2021 17:44	5:44 PM	76	119432151.2
165	4/28/2021 17:44	5:44 PM	73.1	61252138.34
166	4/28/2021 17:44	5:44 PM	67.6	17263198.12
167	4/28/2021 17:44	5:44 PM	66.6	13712645.69
168	4/28/2021 17:44	5:44 PM	70.4	32894345.88
169	4/28/2021 17:44	5:44 PM	65.6	10892341.64
170	4/28/2021 17:44	5:44 PM	74.9	92708862.98
171	4/28/2021 17:44	5:44 PM	71.5	42376126.34
172	4/28/2021 17:44	5:44 PM	77.9	184978500.6
173	4/28/2021 17:44	5:44 PM	77.2	157442238.1
174	4/28/2021 17:44	5:44 PM	74.2	78908039.76
175	4/28/2021 17:44	5:44 PM	73.7	70326864.46
176	4/28/2021 17:44	5:44 PM	70.5	33660553.63
177	4/28/2021 17:44	5:44 PM	70.4	32894345.88
178	4/28/2021 17:44	5:44 PM	65.4	10402105.51
179	4/28/2021 17:44	5:44 PM	63.7	7032686.446
180	4/28/2021 17:44	5:44 PM	63.9	7364126.747
181	4/28/2021 17:44	5:44 PM	73.3	64138862.69
182	4/28/2021 17:45	5:45 PM	75.3	101653246.8
183	4/28/2021 17:45	5:45 PM	73.2	62678883.93
184	4/28/2021 17:45	5:45 PM	71.1	38647486.55
185	4/28/2021 17:45	5:45 PM	73.1	61252138.34
186	4/28/2021 17:45	5:45 PM	68.9	23287413.5
187	4/28/2021 17:45	5:45 PM	73.5	67161634.16
188	4/28/2021 17:45	5:45 PM	69.9	29317116.63
189	4/28/2021 17:45	5:45 PM	68.4	20754929.13
190	4/28/2021 17:45	5:45 PM	69.6	27360325.18
191	4/28/2021 17:45	5:45 PM	74.5	84551487.94
192	4/28/2021 17:45	5:45 PM	70.2	31413856.44
193	4/28/2021 17:45	5:45 PM	67.4	16486226.22
194	4/28/2021 17:45	5:45 PM	69	23829847.04
195	4/28/2021 17:45	5:45 PM	65.3	10165324.68
196	4/28/2021 17:45	5:45 PM	63.6	6872602.958
197	4/28/2021 17:45	5:45 PM	78.1	193696268.7
198	4/28/2021 17:45	5:45 PM	71.8	45406837.45
199	4/28/2021 17:45	5:45 PM	73.1	61252138.34
200	4/28/2021 17:45	5:45 PM	72.2	49787607.22

DNL Calculator

The Day/Night Noise Level Calculator is an electronic assessment tool that calculates the Day/Night Noise Level (DNL) from roadway and railway traffic. For more information on using the DNL calculator, view the **Day/Night Noise Level Calculator Electronic Assessment Tool Overview (/programs/environmental-review/daynight-noise-level-electronic-assessment-tool/)**.

Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID	Channel Islands Boulevard
Record Date	05/17/2021
User's Name	Jesse Voremberg

Road # 1 Name:	**Victoria Avenue to Patterson Rd**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	450	450	450
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	23655	747	498
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	55	50	57

Calculate Road #1 DNL	60	Reset

Add Road Source	Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	○**Yes** ○**No**

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate	Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**: Cancel the project at this location
- **Other Reasonable Alternatives**: Choose an alternate site
- **Mitigation**
  - **Contact your Field or Regional Environmental Officer (/programs/environmental-review/hud-environmental-staff-contacts/)**
  - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
  - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
  - Incorporate natural or man-made barriers. See *The Noise Guidebook (/resource/313/hud-noise-guidebook/)*
  - Construct noise barrier. See the **Barrier Performance Module (/programs/environmental-review/bpm-calculator/)**

Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (/resource/3822/day-night-noise-level-assessment-tool-user-guide/)

Day/Night Noise Level Assessment Tool Flowcharts (/resource/3823/day-night-noise-level-assessment-tool-flowcharts/)

DNL Calculator

The Day/Night Noise Level Calculator is an electronic assessment tool that calculates the Day/Night Noise Level (DNL) from roadway and railway traffic. For more information on using the DNL calculator, view the **Day/Night Noise Level Calculator Electronic Assessment Tool Overview (/programs/environmental-review/daynight-noise-level-electronic-assessment-tool/)**.

Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID	Channel Islands Boulevard
Record Date	05/17/2021
User's Name	Jesse Voremberg

Road # 1 Name:	**Patterson Road to Ventura Rd**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	465	465	465
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	29260	924	616
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	56	51	58

Calculate Road #1 DNL	60	Reset

Add Road Source   Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	◯Yes ◯No

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate   Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**: Cancel the project at this location
- **Other Reasonable Alternatives**: Choose an alternate site
- **Mitigation**
  - **Contact your Field or Regional Environmental Officer (/programs/environmental-review/hud-environmental-staff-contacts/)**
  - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
  - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
  - Incorporate natural or man-made barriers. See *The Noise Guidebook (/resource/313/hud-noise-guidebook/)*
  - Construct noise barrier. See the **Barrier Performance Module (/programs/environmental-review/bpm-calculator/)**

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DNL Calculator

Site ID	Ventura Road
Record Date	05/17/2021
User's Name	Jesse Voremberg

Road # 1 Name:	**Channel Islands Blvd to Pleasant Valley Rd**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	230	230	230
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	31825	1005	670
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	61	56	63

Calculate Road #1 DNL	65	Reset

Add Road Source | Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	○ Yes ○ No

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate | Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

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- **Mitigation**
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DNL Calculator

Site ID	Ventura Road
Record Date	05/17/2021
User's Name	Jesse Voremberg

Road # 1 Name:	**Pleasant Valley Rd to Hueneme Rd**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	140	140	140
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	12635	399	266
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	60	55	62

Calculate Road #1 DNL	65	Reset

Add Road Source Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	○Yes ○No

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

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DNL Calculator

Site ID	Hueneme Road
Record Date	05/17/2021
User's Name	Jesse Voremberg

Road # 1 Name:	**Ventura Road to City Limit**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	210	210	210
Distance to Stop Sign			
Average Speed	35	35	35
Average Daily Trips (ADT)	10830	342	228
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	55	50	58

Calculate Road #1 DNL	60	Reset

Add Road Source	Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	○Yes ○No

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate	Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

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DNL Calculator

Site ID	Metrolink (North tracks)
Record Date	05/17/2021
User's Name	Jesse Voremberg

Railroad #1 Track Identifier:	**Metrolink (north tracks)**

Rail # 1

Train Type	Electric ☐	Diesel ☑
Effective Distance		1750
Average Train Speed		30
Engines per Train		2
Railway cars per Train		50
Average Train Operations (ATO)		30
Night Fraction of ATO		15
Railway whistles or horns?	Yes: ☐ No: ☐	Yes: ☑ No: ☐
Bolted Tracks?	Yes: ☐ No: ☐	Yes: ☐ No: ☑
Train DNL	0	60

Calculate Rail #1 DNL	60	Reset

Add Road Source   Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	○**Yes** ○**No**

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate   Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**: Cancel the project at this location
- **Other Reasonable Alternatives**: Choose an alternate site
- **Mitigation**
  - **Contact your Field or Regional Environmental Officer (/programs/environmental-review/hud-environmental-staff-contacts/)**
  - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
  - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
  - Incorporate natural or man-made barriers. See *The Noise Guidebook (/resource/313/hud-noise-guidebook/)*
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DNL Calculator

Site ID	Amtrak (South tracks)
Record Date	05/17/2021
User's Name	Jesse Voremberg

Railroad #1 Track Identifier:	**Amtrak (South tracks)**

Rail # 1

Train Type	Electric ☐	Diesel ☑
Effective Distance		900
Average Train Speed		30
Engines per Train		2
Railway cars per Train		50
Average Train Operations (ATO)		11
Night Fraction of ATO		15
Railway whistles or horns?	Yes: ☐ No: ☐	Yes: ☑ No: ☐
Bolted Tracks?	Yes: ☐ No: ☐	Yes: ☐ No: ☑
Train DNL	0	60

Calculate Rail #1 DNL	60	Reset

Add Road Source   Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	○**Yes** ○**No**

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate | Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**: Cancel the project at this location
- **Other Reasonable Alternatives**: Choose an alternate site
- **Mitigation**
  - **Contact your Field or Regional Environmental Officer (/programs/environmental-review/hud-environmental-staff-contacts/)**
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DNL Calculator

Site ID	Hueneme Road
Record Date	06/03/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Ventura Road to City Limit**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	355	355	355
Distance to Stop Sign			
Average Speed	35	35	35
Average Daily Trips (ADT)	22610	714	476
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	55	50	58
Calculate Road #1 DNL	60	Reset	

Add Road Source   Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	◯Yes ◯No

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate   Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

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DNL Calculator

Site ID	Hueneme Road
Record Date	06/03/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Ventura Road to City Limit**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	180	180	180
Distance to Stop Sign			
Average Speed	35	35	35
Average Daily Trips (ADT)	22610	714	476
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	59	54	63

Calculate Road #1 DNL	65	Reset

Add Road Source	Add Rail Source

Click on this button to determine the Day-Night Noise Level (DNL) for the road and vehicles being assessed in units of decibel (dB).

Airport Noise Level	

Loud Impulse Sounds?	○Yes ○No

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate	Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

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DNL Calculator

Site ID	Hueneme Road
Record Date	06/03/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Ventura Road to City Limit**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	80	80	80
Distance to Stop Sign			
Average Speed	35	35	35
Average Daily Trips (ADT)	22610	714	476
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	64	59	68
Calculate Road #1 DNL	70	Reset	

Add Road Source   Add Rail Source   Click on this button to determine the Day-Night Noise Level (DNL) for the road and vehicles being assessed in units of decibel (dB).

Airport Noise Level	
Loud Impulse Sounds?	○Yes ○No

Combined DNL for all Road and Rail sources	0
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate   Reset

Mitigation Options

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DNL Calculator

Site ID	Hueneme Road
Record Date	06/03/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Ventura Road to City Limit**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	35	35	35
Distance to Stop Sign			
Average Speed	35	35	35
Average Daily Trips (ADT)	22610	714	476
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	70	65	73

Calculate Road #1 DNL	75	Reset

Add Road Source	Add Rail Source

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Airport Noise Level	
Loud Impulse Sounds?	○Yes ○No

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate	Reset

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- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID	Ventura Road
Record Date	06/03/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Channel Islands Blvd to Pleasant Valley Rd**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	575	575	575
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	39425	1245	830
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	56	51	58

Calculate Road #1 DNL	60	Reset

Road # 2 Name:	**Pleasant Valley Rd to Hueneme Rd**

Road #2

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	460	460	460
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	25745	813	542
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	56	51	57

Calculate Road #2 DNL	60	Reset

Add Road Source Add Rail Source

Airport Noise Level	

Loud Impulse Sounds?	○**Yes** ○**No**

Combined DNL for all Road and Rail sources	0

Combined DNL including Airport	

Site DNL with Loud Impulse Sound	

Calculate Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**: Cancel the project at this location
- **Other Reasonable Alternatives**: Choose an alternate site
- **Mitigation**
  - **Contact your Field or Regional Environmental Officer (/programs/environmental-review/hud-environmental-staff-contacts/)**
  - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
  - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
  - Incorporate natural or man-made barriers. See *The Noise Guidebook (/resource/313/hud-noise-guidebook/)*
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DNL Calculator

Site ID	Ventura Road
Record Date	06/03/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Channel Islands Blvd to Pleasant Valley Rd**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	290	290	290
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	39425	1245	830
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	60	55	62

Calculate Road #1 DNL	65	Reset

Road # 2 Name:	**Pleasant Valley Rd to Hueneme Rd**

Road #2

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	225	225	225
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	25745	813	542
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	60	55	62

Calculate Road #2 DNL	65	Reset

Add Road Source   Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	○**Yes** ○**No**

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate   Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**: Cancel the project at this location
- **Other Reasonable Alternatives**: Choose an alternate site
- **Mitigation**
  - **Contact your Field or Regional Environmental Officer (/programs/environmental-review/hud-environmental-staff-contacts/)**
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DNL Calculator

Site ID	Ventura Road
Record Date	06/03/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Channel Islands Blvd to Pleasant Valley Rd**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	140	140	140
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	39425	1245	830
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	65	60	67

Calculate Road #1 DNL	70	Reset

Road # 2 Name:	**Pleasant Valley Rd to Hueneme Rd**

Road #2

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	105	105	105
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	25745	813	542
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	65	60	67

Calculate Road #2 DNL	70	Reset

Add Road Source   Add Rail Source

Airport Noise Level	

Loud Impulse Sounds?   ○**Yes** ○**No**

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate   Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

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DNL Calculator

Site ID	Ventura Road
Record Date	06/03/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Channel Islands Blvd to Pleasant Valley Rd**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	65	65	65
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	39425	1245	830
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	70	65	72

Calculate Road #1 DNL	75	Reset

Road # 2 Name:	**Pleasant Valley Rd to Hueneme Rd**

Road #2

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	45	45	45
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	25745	813	542
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	71	66	72

Calculate Road #2 DNL	75	Reset

Add Road Source   Add Rail Source

Airport Noise Level	

Loud Impulse Sounds?	○**Yes** ○**No**

| Combined DNL for all
Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate   Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**: Cancel the project at this location
- **Other Reasonable Alternatives**: Choose an alternate site
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DNL Calculator

Site ID	Channel Islands Blvd
Record Date	06/01/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Victoria Avenue to Patterson Rd**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	50	50	50
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	23655	747	498
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	70	65	71

Calculate Road #1 DNL	74	Reset

Add Road Source	Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	◯Yes ◯No

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate	Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

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DNL Calculator

Site ID	Channel Islands Blvd
Record Date	06/01/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Victoria Avenue to Patterson Rd**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	50	50	50
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	30305	9587	638
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	71	76	72

Calculate Road #1 DNL	78	Reset

Add Road Source Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	○Yes ○No

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

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DNL Calculator

Site ID	Channel Islands Blvd
Record Date	06/01/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Patterson Road to Ventura Rd**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	50	50	50
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	29260	924	616
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	71	66	72
Calculate Road #1 DNL	75	Reset	

Add Road Source   Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	◯Yes ◯No

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate   Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

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DNL Calculator

Site ID	Channel Islands Blvd
Record Date	06/01/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Patterson Road to Ventura Rd**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	50	50	50
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	37810	1194	796
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	72	67	73
Calculate Road #1 DNL	76	Reset	

Add Road Source   Add Rail Source

Click this button to determine the Day-Night Noise Level (DNL) for the road and vehicles being assessed in units of decibel (dB).

Airport Noise Level	
Loud Impulse Sounds?	○Yes ○No

Combined DNL for all Road and Rail sources	0
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate   Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

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DNL Calculator

Site ID	Ventura Rd
Record Date	06/01/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Channel Islands Blvd to Pleasant Valley Rd**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	50	50	50
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	31825	1005	670
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	71	66	73

Calculate Road #1 DNL	75	Reset

Add Road Source	Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	○Yes ○No

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate	Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

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- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID	Ventura Rd
Record Date	06/01/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Channel Islands Blvd to Pleasant Valley Rd**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	50	50	50
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	39235	1239	826
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	72	67	73

Calculate Road #1 DNL	76	Reset

Add Road Source   Add Rail Source

Click on this button to determine the Day-Night Noise Level (DNL) for the road and vehicles being assessed in units of decibel (dB).

Airport Noise Level	
Loud Impulse Sounds?	○Yes ○No

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate   Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**: Cancel the project at this location
- **Other Reasonable Alternatives**: Choose an alternate site
- **Mitigation**
  - **Contact your Field or Regional Environmental Officer (/programs/environmental-review/hud-environmental-staff-contacts/)**
  - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
  - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
  - Incorporate natural or man-made barriers. See *The Noise Guidebook (/resource/313/hud-noise-guidebook/)*
  - Construct noise barrier. See the **Barrier Performance Module (/programs/environmental-review/bpm-calculator/)**

Tools and Guidance

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Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
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DNL Calculator

Site ID	Ventura Rd
Record Date	06/01/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Pleasant Valley Rd to Hueneme Rd**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	50	50	50
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	12635	399	266
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	67	62	68

Calculate Road #1 DNL	71	Reset

Add Road Source   Add Rail Source

Click on this button to determine the Day-Night Noise Level (DNL) for the road and vehicles being assessed in units of decibel (dB).

Airport Noise Level	
Loud Impulse Sounds?	○Yes ○No

Combined DNL for all Road and Rail sources	0
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate   Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

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DNL Calculator

Site ID	Ventura Rd
Record Date	06/01/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Pleasant Valley Rd to Hueneme Rd**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	50	50	50
Distance to Stop Sign			
Average Speed	45	45	45
Average Daily Trips (ADT)	25365	801	534
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	70	65	72

Calculate Road #1 DNL	74	Reset

Add Road Source   Add Rail Source

Click on this button to determine the Day-Night Noise Level (DNL) for the road and vehicles being assessed in units of decibel (dB).

Airport Noise Level	

Loud Impulse Sounds?	○Yes ○No

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate   Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

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DNL Calculator

Site ID	Hueneme Rd
Record Date	06/01/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Ventura Road to City Limit**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	50	50	50
Distance to Stop Sign			
Average Speed	35	35	35
Average Daily Trips (ADT)	10830	342	228
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	64	59	68
Calculate Road #1 DNL	70	Reset	

Add Road Source　　Add Rail Source

Click on this button to determine the Day-Night Noise Level (DNL) for the road and vehicles being assessed in units of decibel (dB).

Airport Noise Level	
Loud Impulse Sounds?	◯Yes ◯No

Combined DNL for all Road and Rail sources	0
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate　Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

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DNL Calculator

Site ID	Hueneme Rd
Record Date	06/01/2021
User's Name	Aileen Mahoney

Road # 1 Name:	**Ventura Road to City Limit**

Road #1

Vehicle Type	Cars ☑	Medium Trucks ☑	Heavy Trucks ☑
Effective Distance	50	50	50
Distance to Stop Sign			
Average Speed	35	35	35
Average Daily Trips (ADT)	22515	711	474
Night Fraction of ADT	15	15	15
Road Gradient (%)			2
Vehicle DNL	67	62	71

Calculate Road #1 DNL	73	Reset

Add Road Source　Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	○Yes ○No

Combined DNL for all Road and Rail sources	**0**
Combined DNL including Airport	
Site DNL with Loud Impulse Sound	

Calculate　Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

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