
Model 712: Calibrated at 113.9 dB (-0.1dB) Model 812: Calibrated at 114.7 dB (+0.7dB)

NM #1 Shoulder of Indiana St.

Date 7/20/2017
Start Time 10:15 AM
End Time 10:30 AM
Temp 80.8° F
Wind 1.4 mph

Indiana SB		
C	M	H
64	2	1

Indiana NB		
C	M	H
110	9	3

SB Leq (Model 812) 68.3 dBA

NB Leq (Model 712) 82.2 dBA

Ambient noise:

- Birds at horse stable (about 100' east)
- Voices at horse stable (about 100' east)
- Prairie dogs in vicinity

NM #2 95th Ave and Joyce Way

Date 7/20/2017
Start Time 11:03 AM
End Time 11:18 AM
Temp 90° F
Wind 5.3 mph

95th Ave and Joyce Way		
C	M	H
5	1	0

Leq (Model 812) 42.0 dBA

Ambient noise:

- 2 planes passed by
- Birds

NM #3 sidewalk of Candelas Pkwy near King Soopers

Date 7/20/2017
 Start Time 12:15 PM
 End Time 12:30 PM
 Temp 92.3° F
 Wind 4.4 mph

Candelas Pkwy EB		
C	M	H
31	1	0

Candelas Pkwy WB		
C	M	H
31	0	1

Leq (Model 812) 62.7 dBA
 Leq (Model 712) 81.6 dBA

Ambient noise: 1 plane; 1 Siren

NM #4 Candelas Pkwy and Nobel St

Date 7/20/2017
 Start Time 11:42 AM
 End Time 11:57 AM
 Temp 91.8° F
 Wind 4.3 mph

Candelas Pkwy EB		
C	M	H
16	3	1

Candelas Pkwy WB		
C	M	H
17	3	1

Candelas Pkwy turn to Nobel		
C	M	H
1	0	0

Noble St turn to Candelas		
C	M	H
7	0	1

Leq (Model 812) 57.2 dBA
 Leq (Model 712) 76.6 dBA

Note: turning traffic were counted both on Candelas Pkwy and Nobel St.

Ambient Noise: 1 bike; 1 plane

NM #5 shoulder of SH 72

Date 7/20/2017
Start Time 1:59 PM
End Time 2:14 PM
Temp 90.5° F
Wind 4.4 mph

SH-72 EB		
C	M	H
30	2	3

SH-72 WB		
C	M	H
28	3	2

Leq (Model 812) 71.0 dBA
Leq (Model 712) 90.4 dBA

NM #6 on the trail behind the house

Date 7/20/2017
Start Time 2:30 PM
End Time 2:45 PM
Temp 89.1° F
Wind 0.2 mph

SH-72 EB		
C	M	H
46	4	1

SH-72 WB		
C	M	H
38	3	2

Leq (Model 812) 52.7 dBA
Leq (Model 712) 73.3 dBA

Note: thunder at 7:45 (halfway) minutes into reading; increased by about 0.2 dB or 0.3 dB

Model 712: Calibrated at 113.9 dB (-0.1dB) Model 812: Calibrated at 114.7 dB (+0.7dB)

NM #7 on the trail behind the house

Date 7/27/2017
Start Time 9:40 AM
End Time 9:55 AM
Temp 78.1° F
Wind 2.3 mph

SH-72 EB		
C	M	H
43	3	4

SH-72 WB		
C	M	H
37	4	3

Leq (Model 812) 54.9 dBA
Leq (Model 712) 78.4 dBA

Ambient noise:

- jogger
- dog bark
- cow in vicinity

NM #8 on the trail behind the house

Date 7/27/2017
Start Time 10:40 AM
End Time 10:55 AM
Temp 81.5° F
Wind 7.1 mph

Leyden Rock EB		
C	M	H
22	3	0

Leyden Rock WB		
C	M	H
12	3	1

Leq (Model 812) 52.1 dBA
Leq (Model 712) 91.3 dBA

Note:

- Retaining wall behind the house

NM #9 Leyden Rock & 85th Pl

Date 7/27/2017
Start Time 2:06 PM
End Time 2:21 AM
Temp 90° F
Wind 0.1 mph

85th Pl		
C	M	H
4	1	0

Leden Rock EB		
C	M	H
12	0	0

Leden Rock WB		
C	M	H
12	1	1

Leq (Model 812) 54.8 dBA
Leq (Model 712) 74.7 dBA

Note: turning traffic were counted both on 85th Pl and Leyden Rock Dr

NM #10 W 86th Ln & Yule St

Date 7/27/2017
Start Time 11:11 AM
End Time 11:26 AM
Temp 82.6° F
Wind 0.7 mph

86th Ln turn to Yule		
C	M	H
3	0	0

Yule turn to 86th Ln		
C	M	H
1	0	0

Leq (Model 812) 47.7 dBA
Leq (Model 712) 70.8 dBA

Ambient noise:

- Constant construction hammering
- Jogger
- Birds in vicinity

NM #11 84th & Windy

Date 7/27/2017
Start Time 1:36 PM
End Time 1:51 PM
Temp 89.1° F
Wind 0.1 mph

84th Dr turn to 84th Ln		
C	M	H
2	0	0

Windy turn to W 84th Dr		
C	M	H
2	0	0

Leq (Model 812) 46.2 dBA
Leq (Model 712) 69.6 dBA

Ambient noise: people talking, airplane

NM #12 Cul-de-sac

Date 7/27/2017
Start Time 11:40 AM
End Time 11:55 AM
Temp 85.1° F
Wind 0.5 mph

C	M	H
1	0	0

Leq (Model 812) 45.7 dBA
Leq (Model 712) 68.2 dBA

Ambient Noise: airplane

NM #13 Cul-de-sac

Date 7/27/2017
Start Time 1:10 PM
End Time 1:25 PM
Temp 88.4° F
Wind 0.5 mph

C	M	H
2	0	0

Leq (Model 812) 39.4 dBA
Leq (Model 712) 67 dBA

NM #14 Airpark

Date 7/27/2017
Start Time 2:43 PM
End Time 2:58 PM
Temp 91.8° F
Wind 0 mph

Ambient only, no pass-by traffic

Leq (Model 812) 42.9 dBA
Leq (Model 712) 66 dBA

NM #15 Access road

Date 7/27/2017
Start Time 3:08 PM
End Time 3:23 PM
Temp 92.2° F
Wind 0 mph

SH-93 NB		
C	M	H
212	14	1

SH-93 SB		
C	M	H
191	12	3

Leq (Model 812) 50.5 dBA
Leq (Model 712) 72 dBA

Ambient noise: 3 passing cars on access road, airplane

Model 712: Calibrated at 113.9 dB (-0.1dB) Model 812: Calibrated at 114.6 dB (+0.6dB)

NM #2 95th Ave and Joyce Way

Date 7/30/2017
Start Time 11:30 AM
End Time 11:45 AM
Temp 85° F
Wind 3 mph

95th Ave and Joyce Way		
C	M	H
4	0	0

Leq (Model 812) 44.2 dBA
Leq (Model 712) 75.7 dBA

Ambient noise:

- airplane
- people talking

NM #8 Top of hill behind the house

Date 7/30/2017
Start Time 9:45 AM
End Time 10:00 AM
Temp 82.3° F
Wind 4.4 mph

Leyden Rock EB		
C	M	H
9	0	0

Leyden Rock WB		
C	M	H
3	0	0

Leq (Model 812) 42.5 dBA
Leq (Model 712) 72.4 dBA

Note:

- Retaining wall behind the house

NM #9 Leyden Rock & 85th Pl

Date 7/30/2017
Start Time 10:15 AM
End Time 10:30 AM
Temp 86.2° F
Wind 0.3 mph

Leyden Rock turn to 85th Pl		
C	M	H
2	0	0

85th Pl turn to Leyden Rock Dr		
C	M	H
4	0	0

Leden Rock EB		
C	M	H
16	0	0

Leden Rock WB		
C	M	H
8	0	0

Leq (Model 812) 51.7 dBA
Leq (Model 712) 79 dBA

Note: turning traffic were counted both on 85th Pl and Leyden Rock Dr

Ambient: construction hammering, airplane, walker, dogs bark in vicinity

NM #13 Cul-de-sac

Date 7/30/2017
Start Time 10:44 AM
End Time 10:59 AM
Temp 85.9° F
Wind 0.2 mph

C	M	H
1	0	0

Leq (Model 812) 42.8 dBA
Leq (Model 712) 70 dBA

Ambient noise