24 Hour Noise Assessment
APN: 223-061-011-000
By: Clearwater Ag Services

Field Date: 04/22/2021 to 04/23/2021

Ambient noise data loggers were set along the South, South East and East property lines for 24 hours. SLM-25 data logger recorded ambient noise every 3 seconds.

Typical noise levels recorded generated an average of 45 across all sites.

General noise came from wind and passing cars from a nearby busy road

See table below for a relative comparison of ambient noise decibel readings:

Noise Sources and Their Effects

Noise Source	Decibel Level	comment
Jet take-off (at 25 meters)	150	Eardrum rupture
Aircraft carrier deck	140	
Military jet aircraft take-off from aircraft carrier with afterburner at 50 ft (130 dB).	130	
Thunderclap, chain saw. Oxygen torch (121 dB).	120	Painful. 32 times as loud as 70 dB.
Steel mill, auto horn at 1 meter. Turbo-fan aircraft at takeoff power at 200 ft (118 dB). Riveting machine (110 dB); live rock music (108 - 114 dB).	110	Average human pain threshold. 16 times as loud as 70 dB.
Jet take-off (at 305 meters), use of outboard motor, power lawn mower, motorcycle, farm tractor, jackhammer, garbage truck. Boeing 707 or DC-8 aircraft at one nautical mile (6080 ft) before landing (106 dB); jet flyover at 1000 feet (103 dB); Bell J-2A helicopter at 100 ft (100 dB).	100	8 times as loud as 70 dB. Serious damage possible in 8 hr exposure
Boeing 737 or DC-9 aircraft at one nautical mile (6080 ft) before landing (97 dB); power mower (96 dB); motorcycle at 25 ft (90 dB). Newspaper press (97 dB).	90	4 times as loud as 70 dB. Likely damage 8 hr exp

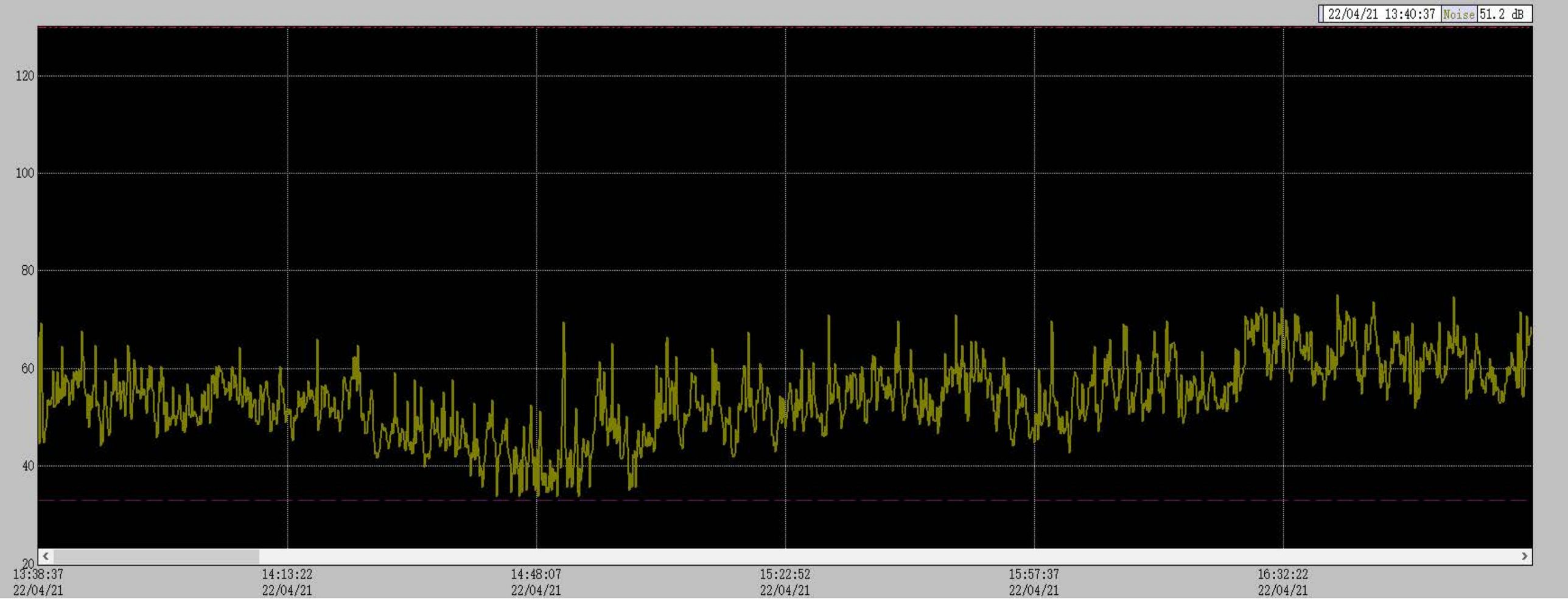
Garbage disposal, dishwasher, average factory, freight train (at 15 meters). Car wash at 20 ft (89 dB); propeller plane flyover at 1000 ft (88 dB); diesel truck 40 mph at 50 ft (84 dB); diesel train at 45 mph at 100 ft (83 dB). Food blender (88 dB); milling machine (85 dB); garbage disposal (80 dB).	80	2 times as loud as 70 dB. Possible damage in 8 h exposure.
Passenger car at 65 mph at 25 ft (77 dB); freeway at 50 ft from pavement edge 10 a.m. (76 dB). Living room music (76 dB); radio or TV-audio, vacuum cleaner (70 dB).	70	Arbitrary base of comparison. Upper 70s are annoyingly loud to some people.
Conversation in restaurant, office, background music, Air conditioning unit at 100 ft	60	Half as loud as 70 dB. Fairly quiet
Quiet suburb, conversation at home. Large electrical transformers at 100 ft	50	One-fourth as loud as 70 dB.
Library, bird calls (44 dB); lowest limit of urban ambient sound	40	One-eighth as loud as 70 dB.
Quiet rural area	30	One-sixteenth as loud as 70 dB. Very Quiet
Whisper, rustling leaves	20	
Breathing	10	Barely audible

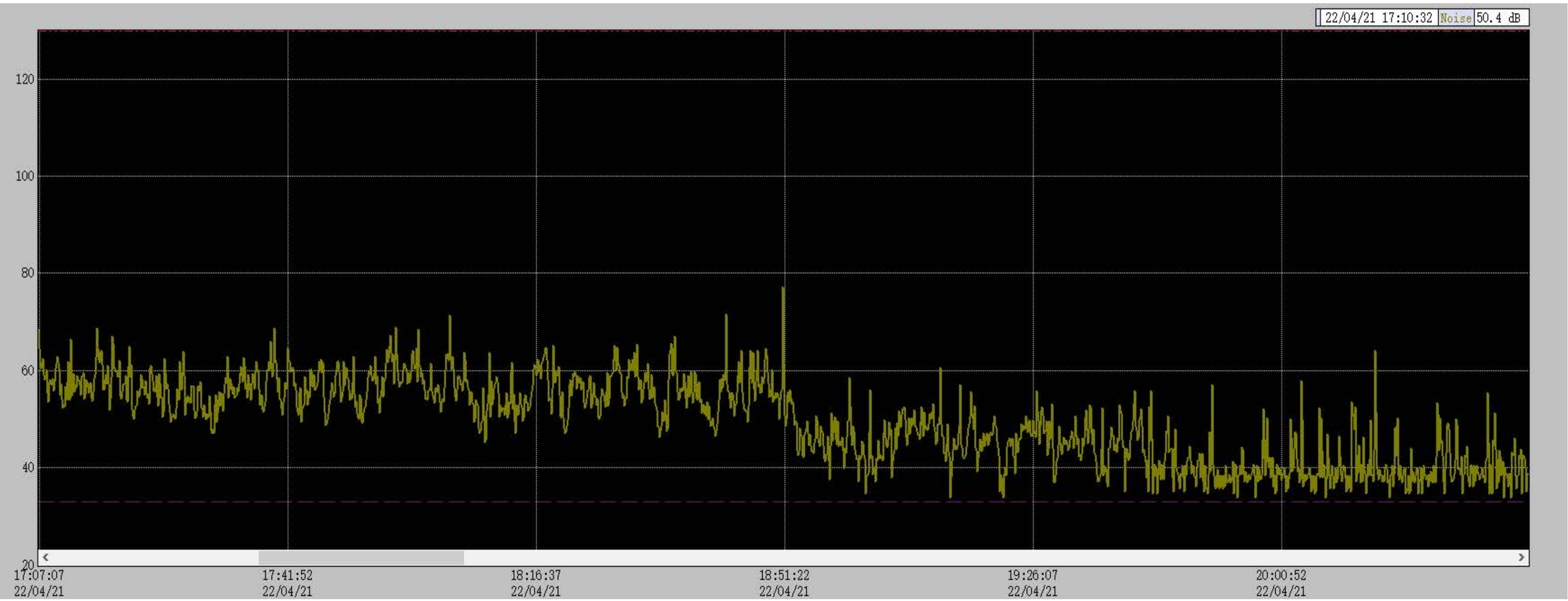
[modified from **http://www.wenet.net/~hpb/dblevels.html**] on 2/2000. SOURCES: Temple University Department of Civil/Environmental Engineering (www.temple.edu/departments/CETP/environ10.html), and *Federal Agency Review of Selected Airport Noise Analysis Issues*, Federal Interagency Committee on Noise (August 1992). Source of the information is attributed to *Outdoor Noise and the Metropolitan Environment*, M.C. Branch et al., Department of City Planning, City of Los Angeles, 1970.


South Fork Eel River
Connick Creek
Connick Creek
Location 2
Location 1
SPRUCE CREEK RD
Location 3

Log 1 – South East Line Gate 40.0534,-123.4803
Observed ambient noise: Passing Car entering property,
gate opening and closing, and wind

Average ambient noise in the range of 40-45 decibels.


22/04/21 13:40:37
Noise
51.2 dB
120
100
80
60
40
20
13:38:37
22/04/21
14:13:22
22/04/21
14:48:07
22/04/21
15:22:52
22/04/21
15:57:37
22/04/21
16:32:22
22/04/21


22/04/21 17:10:32
Noise
50.4 dB
120
100
80
60
40
20
17:07:07
22/04/21
17:41:52
22/04/21
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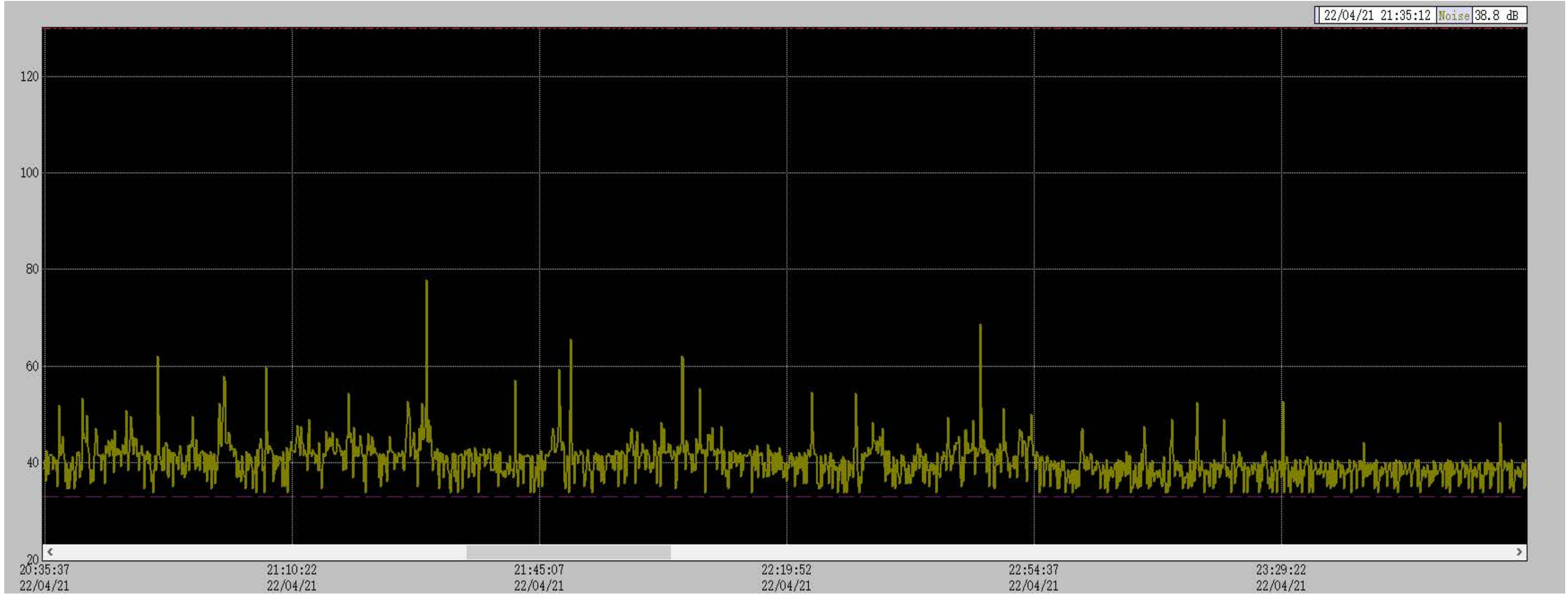
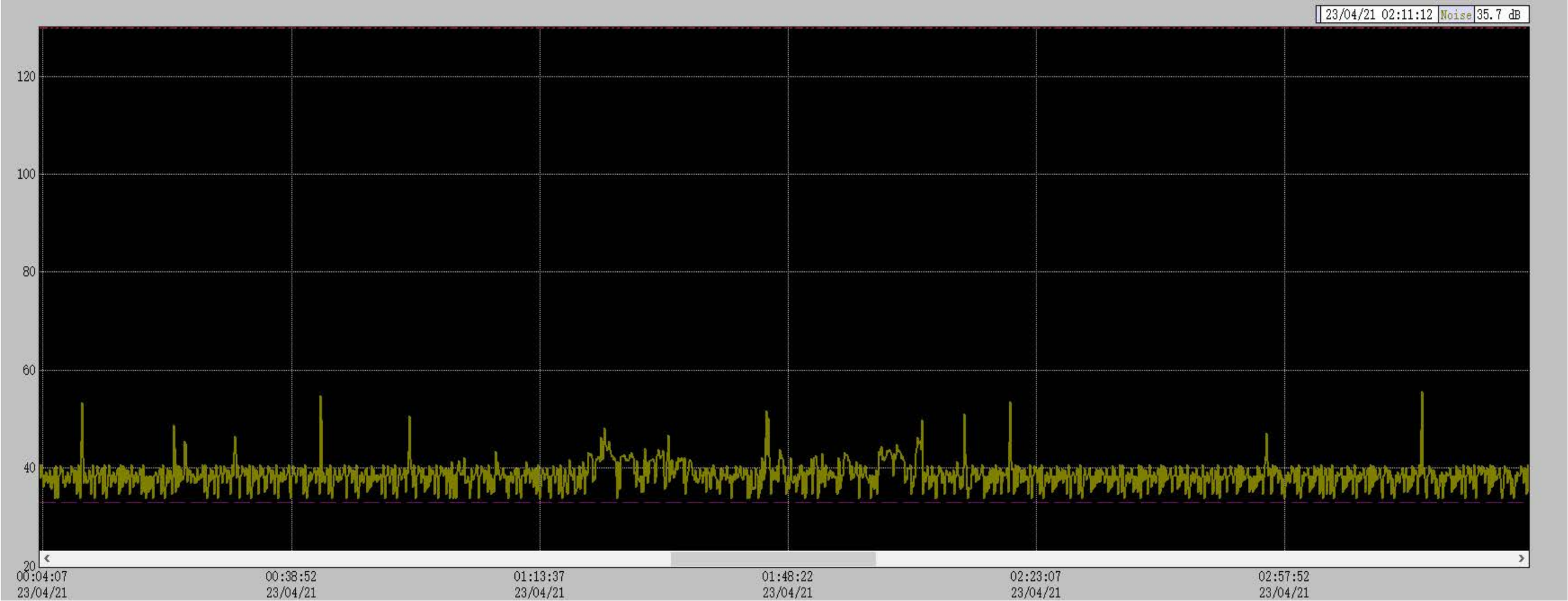
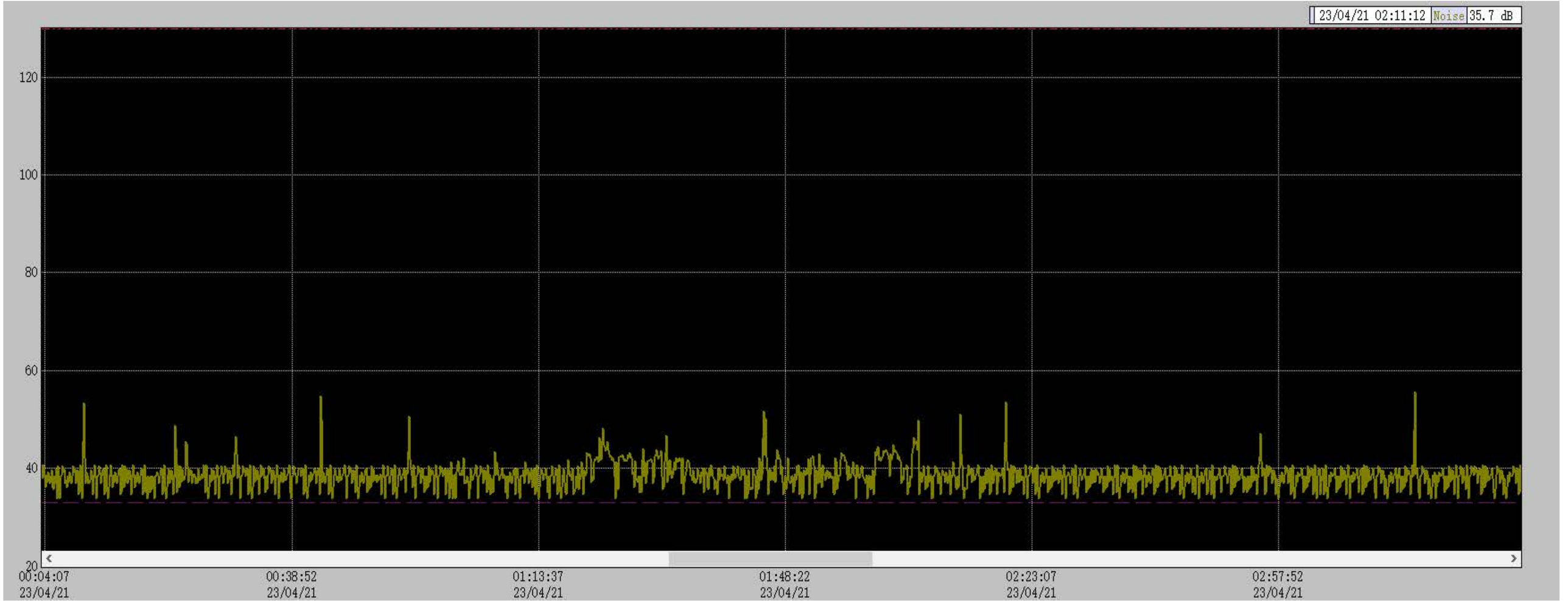
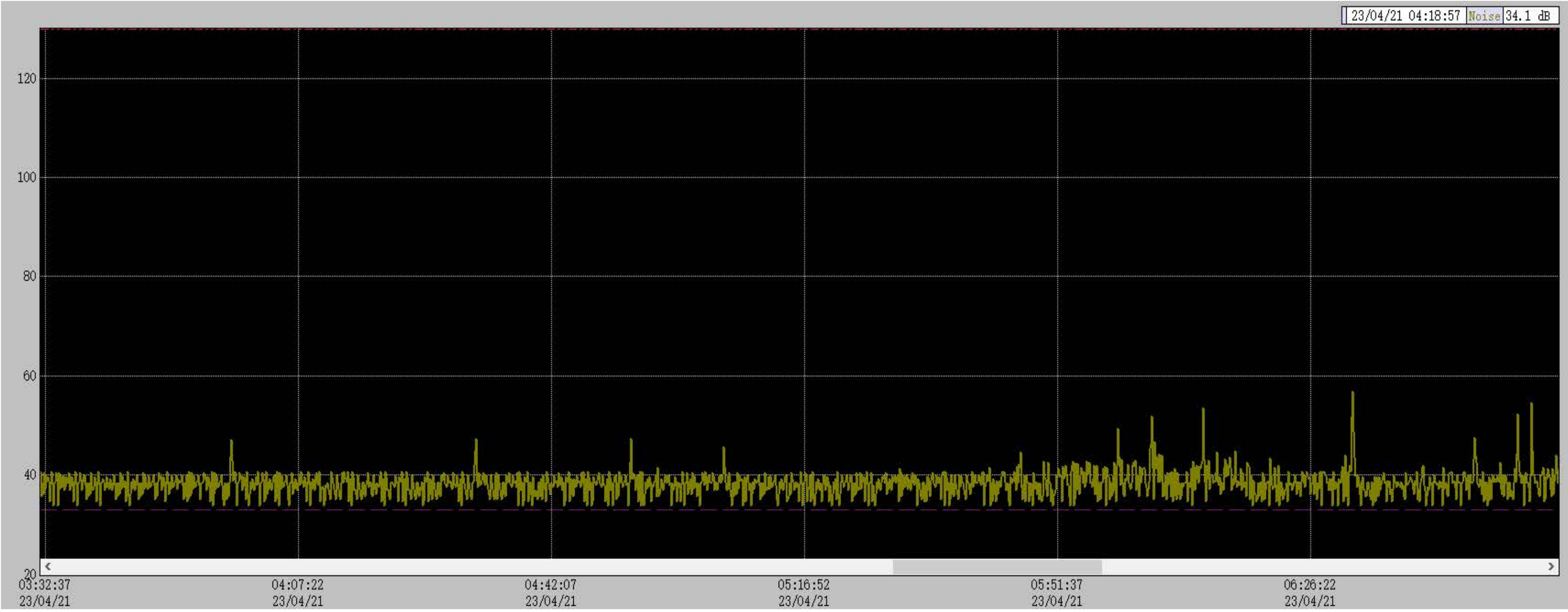
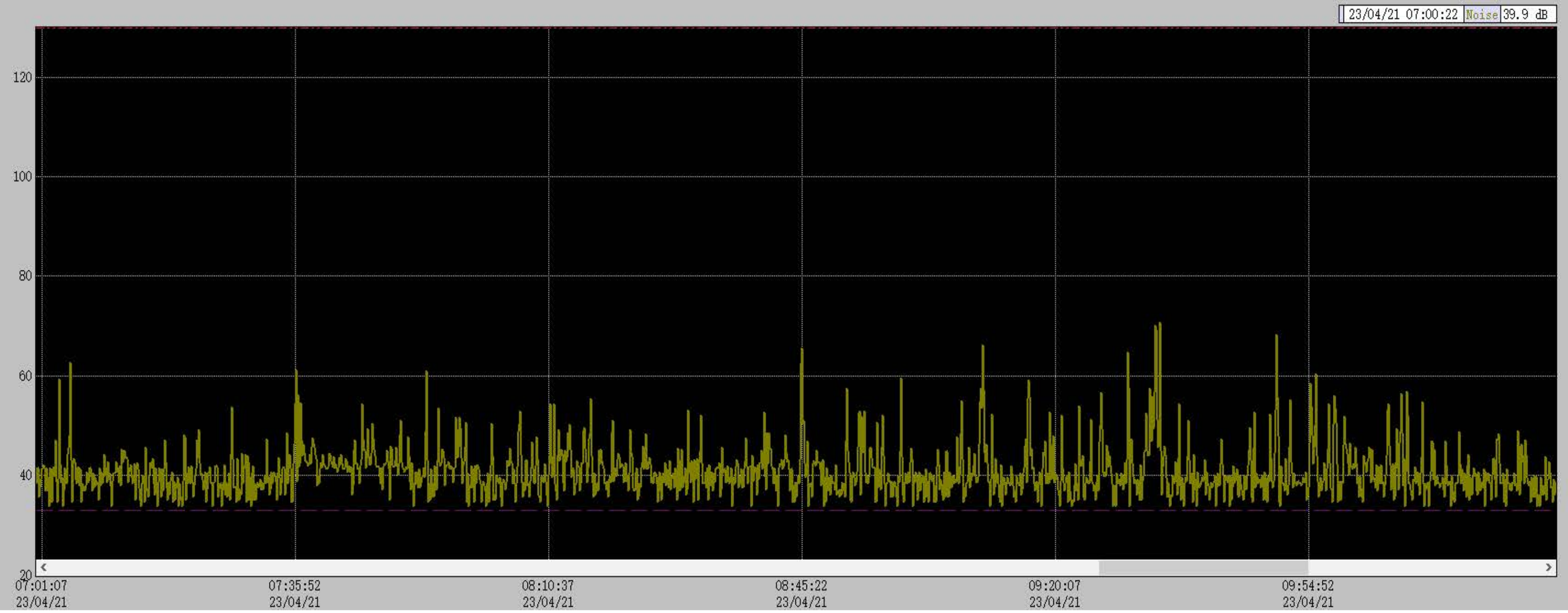
19:26:07
22/04/21
20:00:52
22/04/21

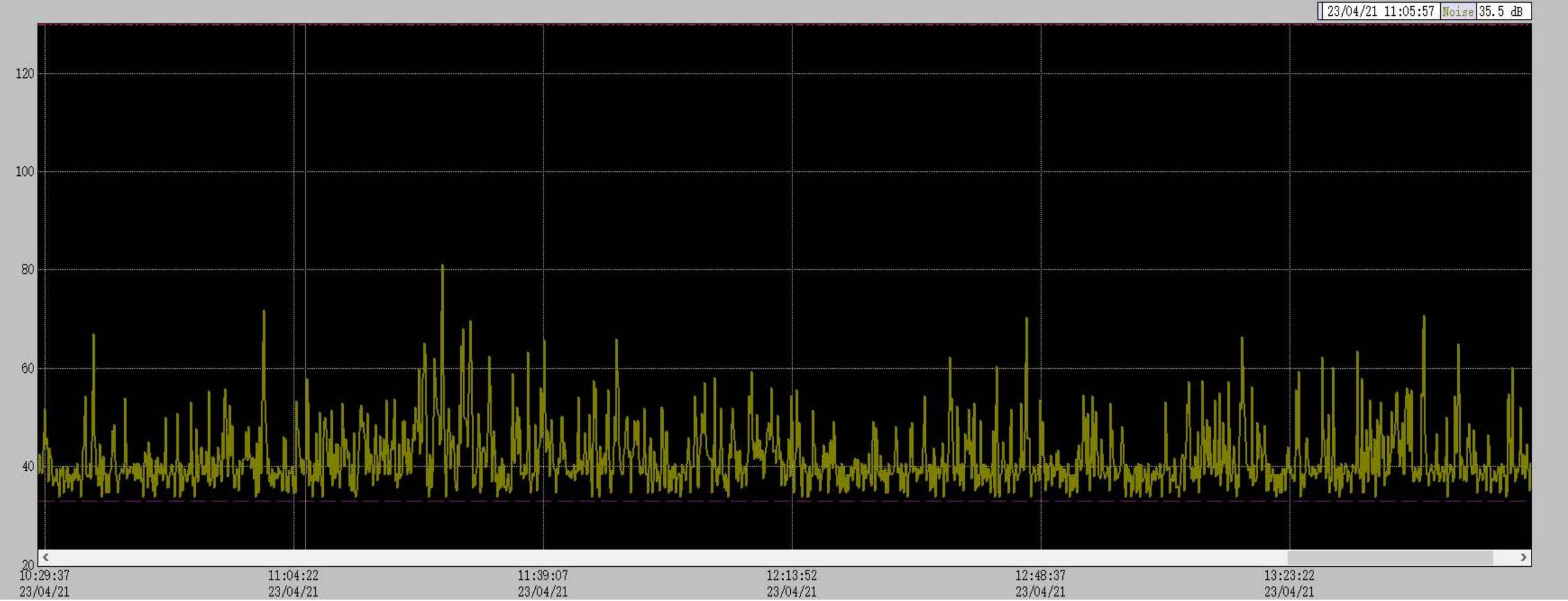

22/04/21 21:35:12
Noise
38.8 dB
120
100
80
60
40
20
20:35:37
22/04/21
21:10:22
22/04/21
21:45:07
22/04/21
22:19:52
22/04/21
22:54:37
22/04/21
23:29:22
22/04/21


23/04/21 02:11:12
Noise
35.7 dB
120
100
80
60
40
20
00:04:07
23/04/21
00:38:52
23/04/21
01:13:37
23/04/21
01:48:22
23/04/21
02:23:07
23/04/21
02:57:52
23/04/21


23/04/21 02:11:12
Noise
35.7 dB
120
100
80
60
40
20
00:04:07
23/04/21
00:38:52
23/04/21
01:13:37
23/04/21
01:48:22
23/04/21
02:23:07
23/04/21
02:57:52
23/04/21


23/04/21 04:18:57
Noise
34.1 dB
120
100
80
60
40
20
03:32:37
23/04/21
04:07:22
23/04/21
04:42:07
23/04/21
05:16:52
23/04/21
05:51:37
23/04/21
06:26:22
23/04/21

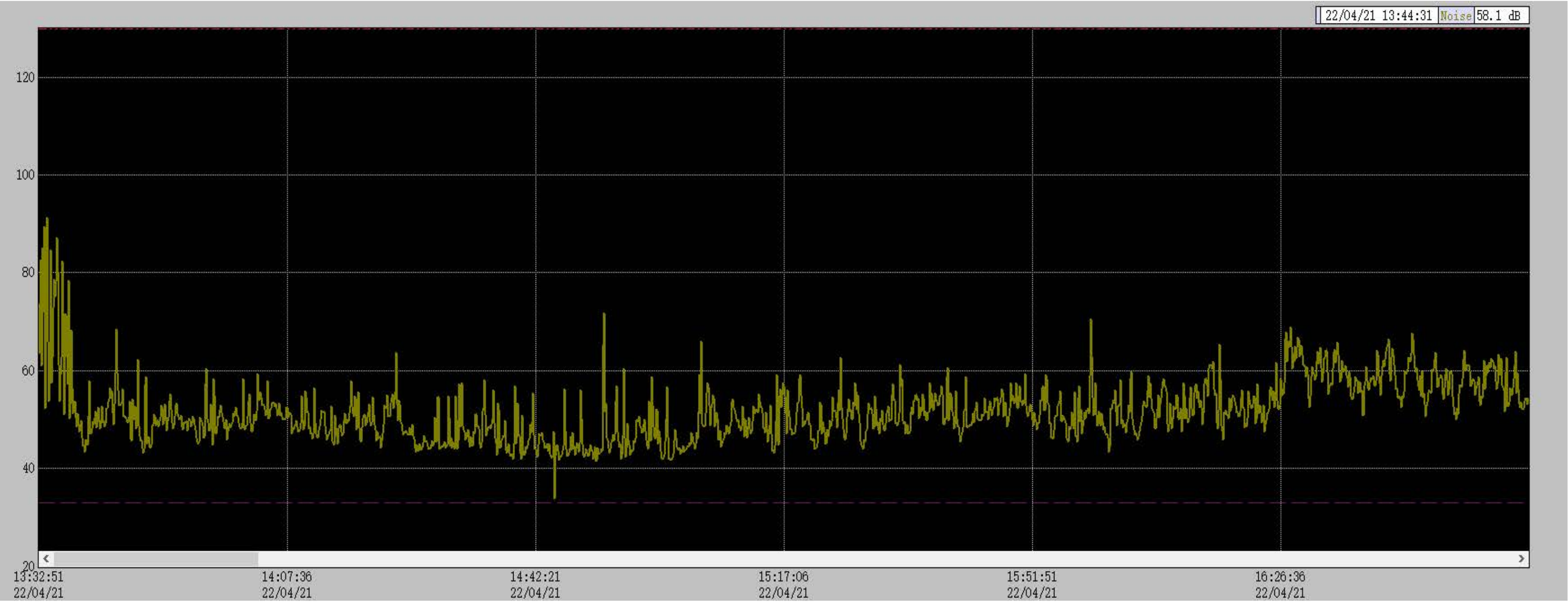

23/04/21 07:00:22
Noise
39.9 dB
120
100
80
60
40
20
07:01:07
23/04/21
07:35:52
23/04/21
08:10:37
23/04/21
08:45:22
23/04/21
09:20:07
23/04/21
09:54:52
23/04/21

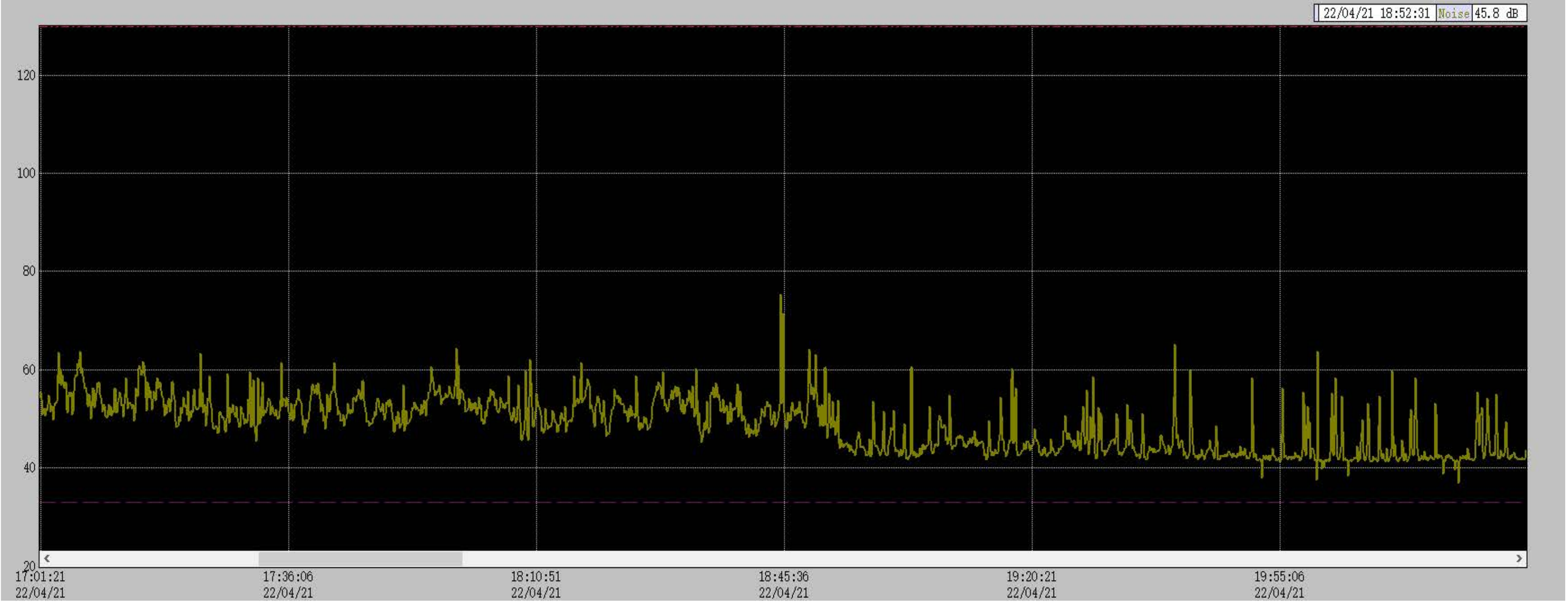

23/04/21 11:05:57 Noise 35.5 dB
120
100
80
60
40
20
10:29:37
23/04/21
11:04:22
23/04/21
11:39:07
23/04/21
12:13:52
23/04/21
12:48:37
23/04/21
13:23:22
23/04/21

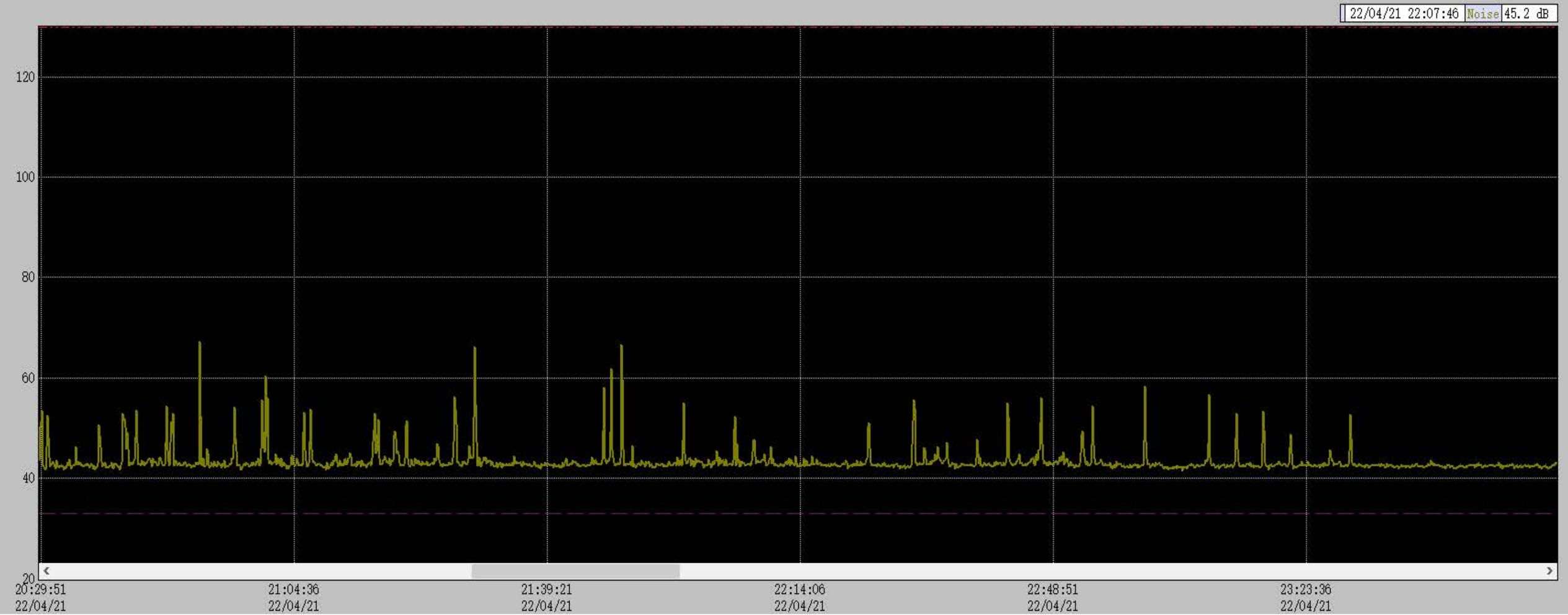
Log 2 – East Property Line Forest and Meadow 40.6536,-123.4802

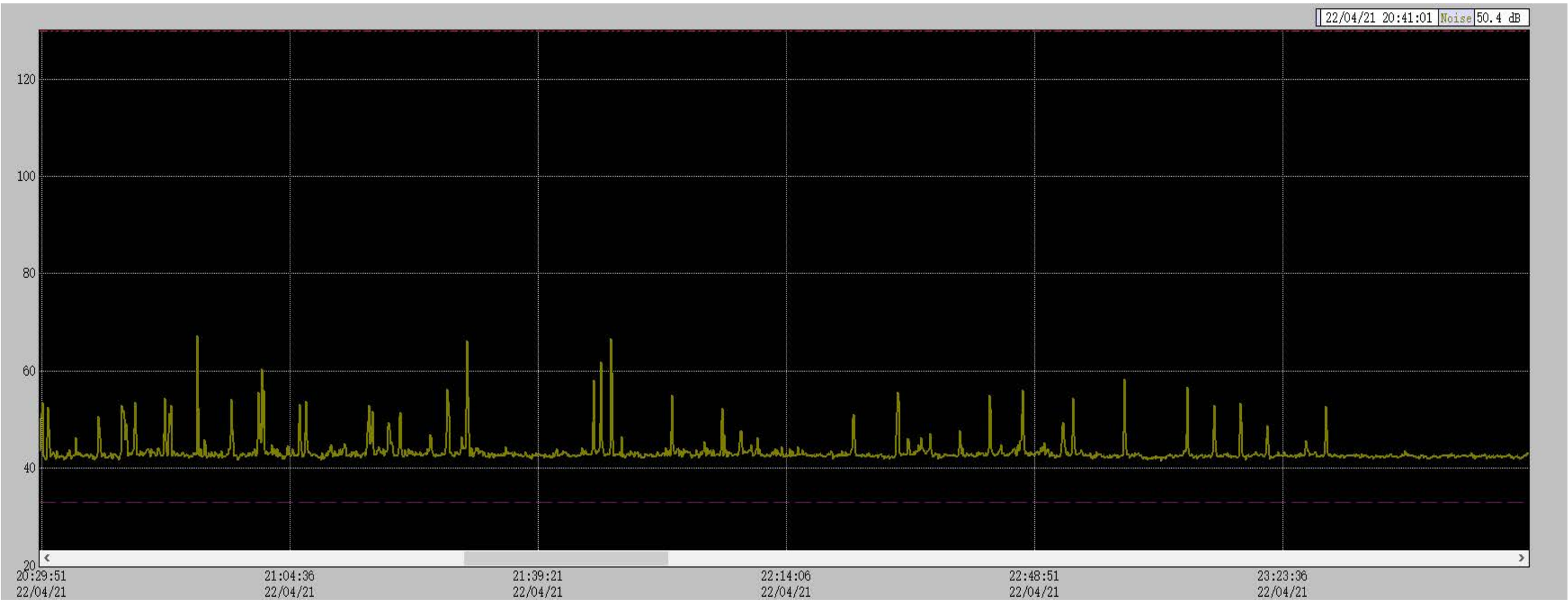
Observed ambient noise: Wind, Noise around the home

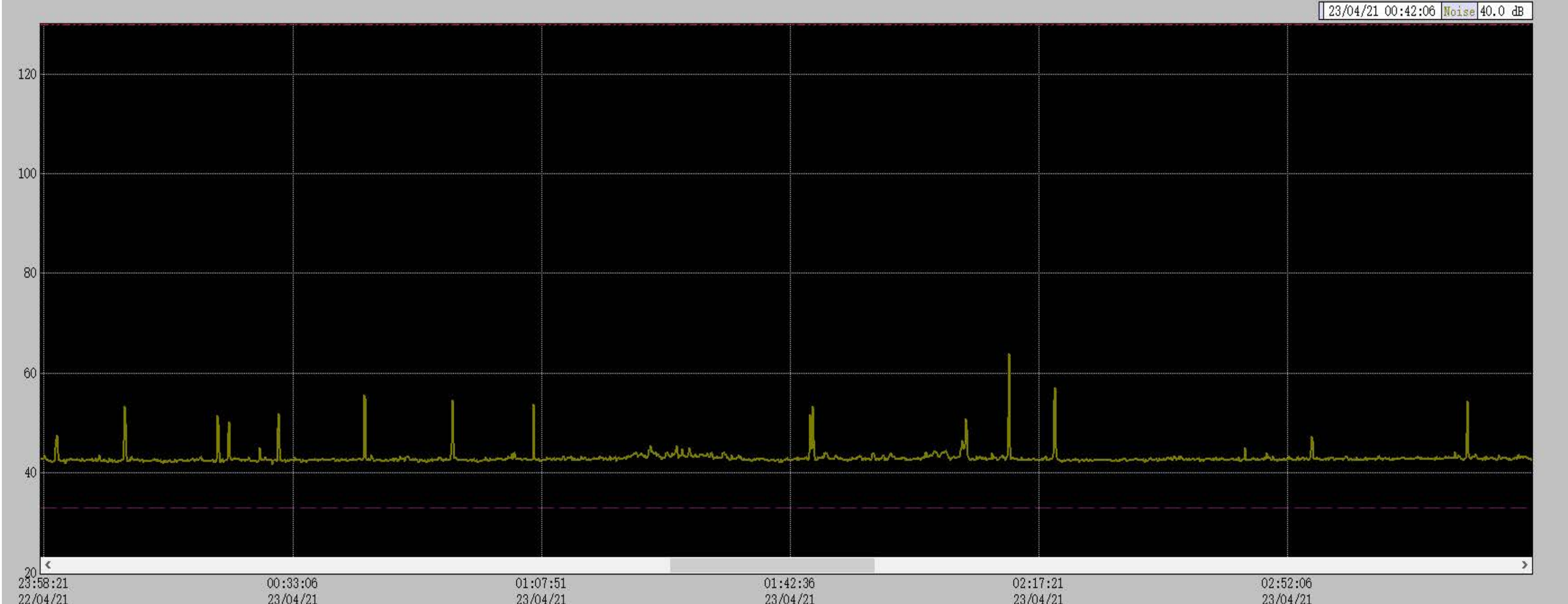
Notes: Average decibel reading of **40 to 45**

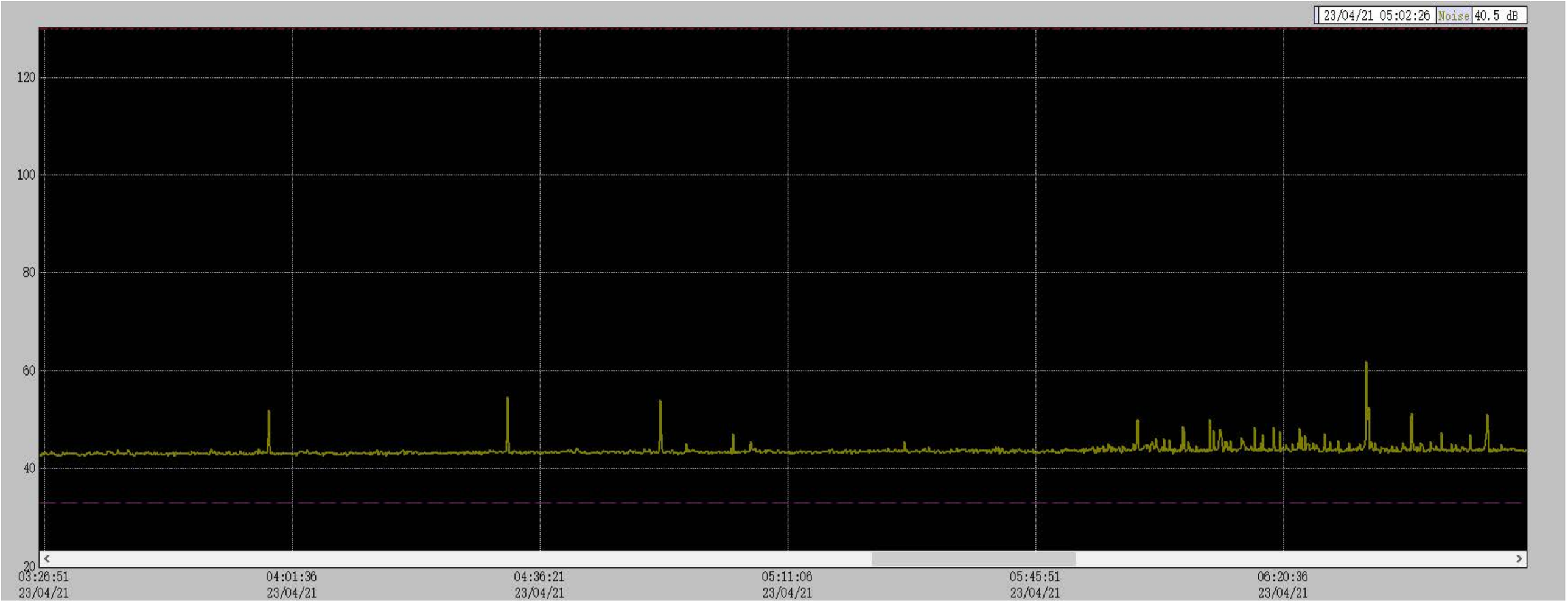

22/04/21 13:44:31
Noise
58.1 dB
120
100
80
60
40
20
13:32:51
22/04/21
14:07:36
22/04/21
14:42:21
22/04/21
15:17:06
22/04/21
15:51:51
22/04/21
16:26:36
22/04/21

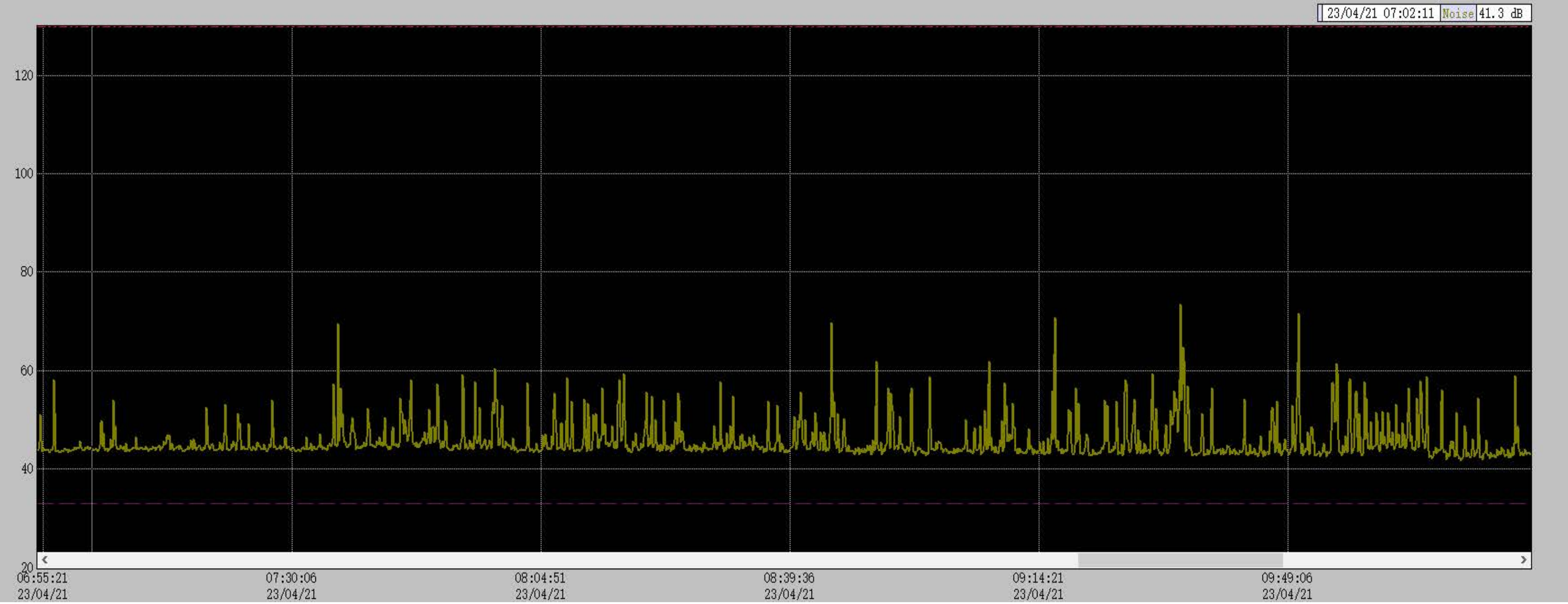

22/04/21 18:52:31 Noise 45.8 dB
120
100
80
60
40
20
17:01:21
22/04/21
17:36:06
22/04/21
18:10:51
22/04/21
18:45:36
22/04/21
19:20:21
22/04/21
19:55:06
22/04/21

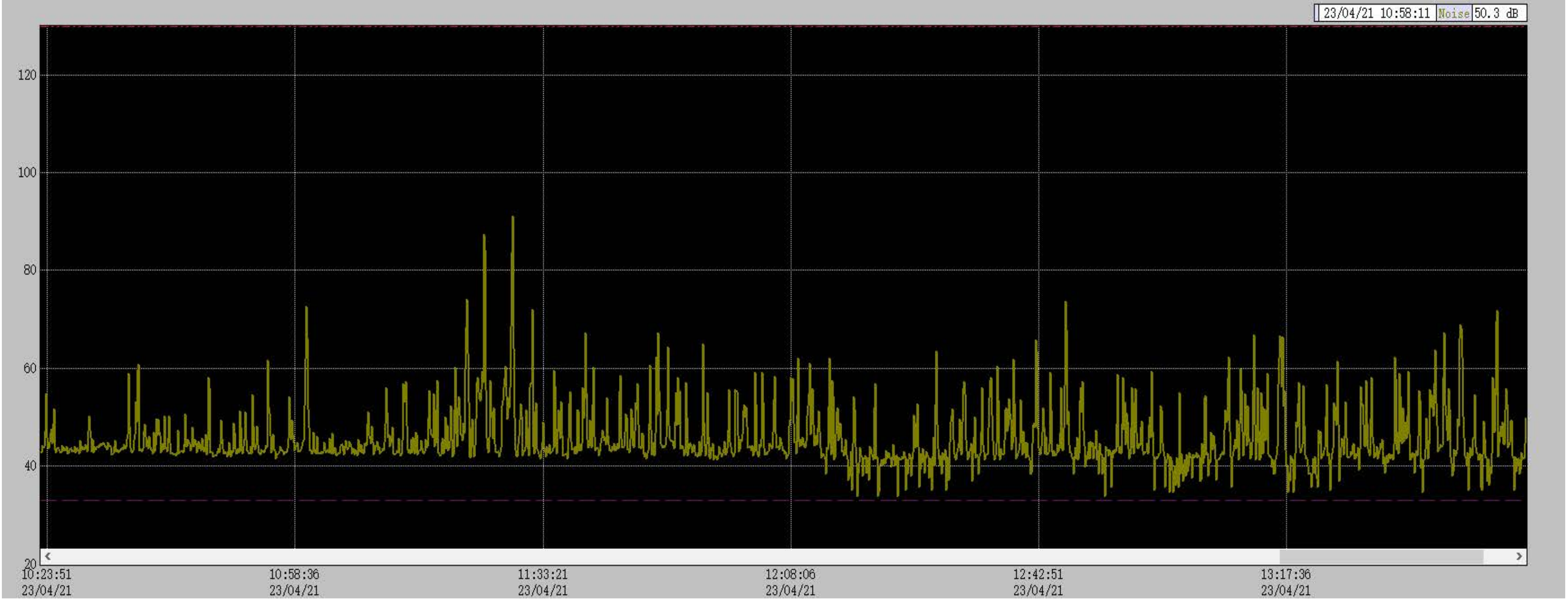

22/04/21 22:07:46
Noise
45.2 dB
120
100
80
60
40
20
20:29:51
22/04/21
21:04:36
22/04/21
21:39:21
22/04/21
22:14:06
22/04/21
22:48:51
22/04/21
23:23:36
22/04/21


22/04/21 20:41:01
Noise
50.4 dB
120
100
80
60
40
20
20:29:51
22/04/21
21:04:36
22/04/21
21:39:21
22/04/21
22:14:06
22/04/21
22:48:51
22/04/21
23:23:36
22/04/21


23/04/21 00:42:06
Noise
40.0 dB
120
100
80
60
40
20
23:58:21
22/04/21
00:33:06
23/04/21
01:07:51
23/04/21
01:42:36
23/04/21
02:17:21
23/04/21
02:52:06
23/04/21


23/04/21 05:02:26
Noise
40.5 dB
120
100
80
60
40
20
03:26:51
23/04/21
04:01:36
23/04/21
04:36:21
23/04/21
05:11:06
23/04/21
05:45:51
23/04/21
06:20:36
23/04/21

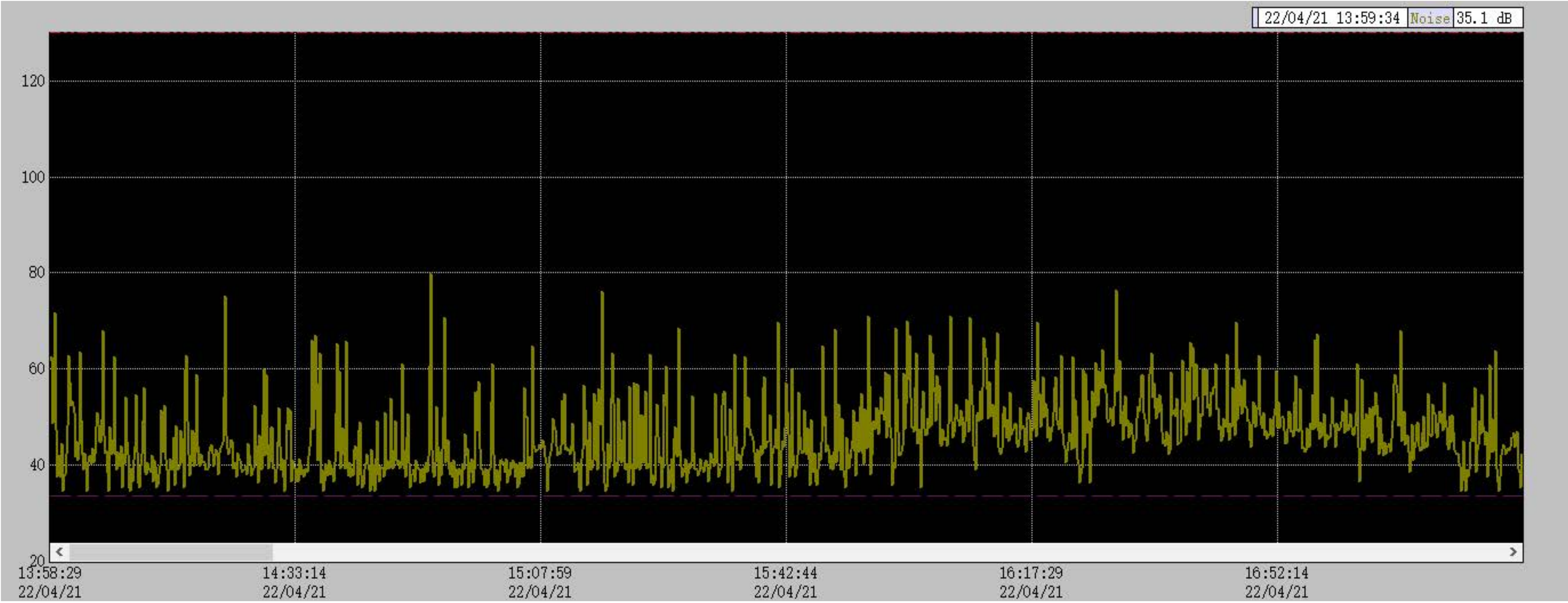

23/04/21 07:02:11
Noise
41.3 dB
120
100
80
60
40
20
06:55:21
23/04/21
07:30:06
23/04/21
08:04:51
23/04/21
08:39:36
23/04/21
09:14:21
23/04/21
09:49:06
23/04/21

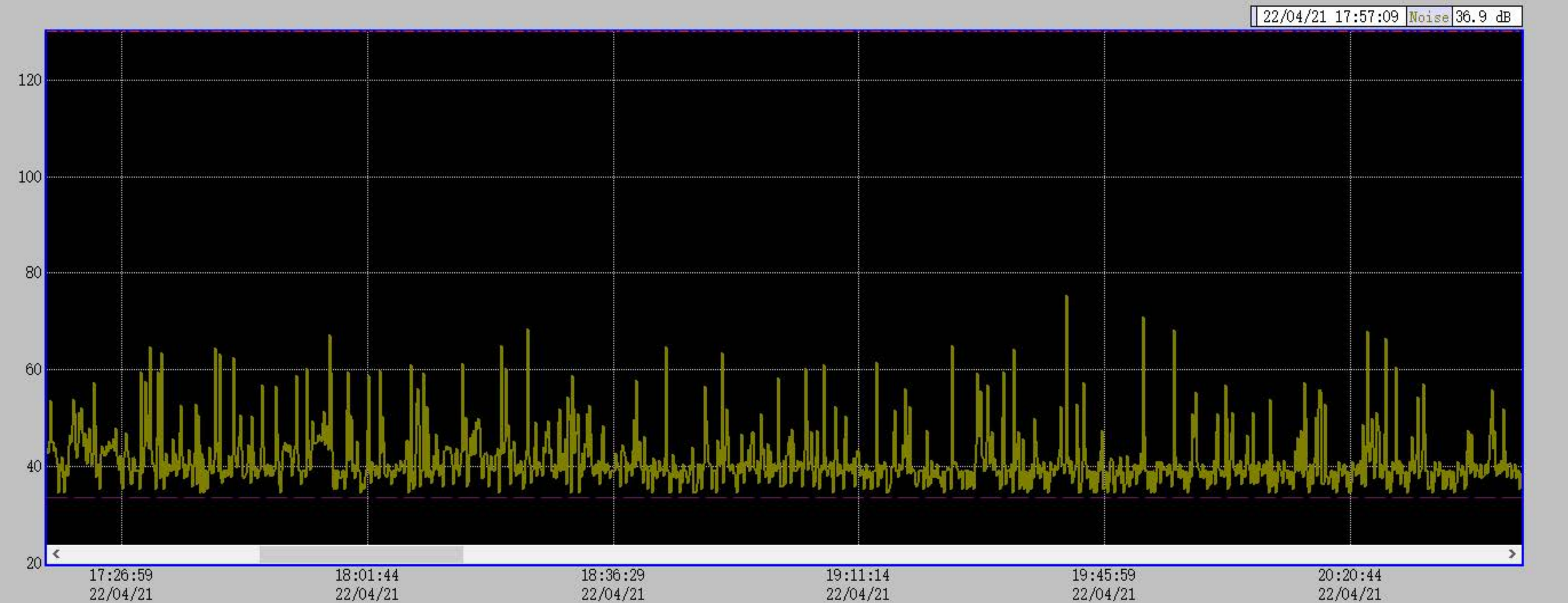

23/04/21 10:58:11
Noise
50.3 dB
120
100
80
60
40
20
10:23:51
23/04/21
10:58:36
23/04/21
11:33:21
23/04/21
12:08:06
23/04/21
12:42:51
23/04/21
13:17:36
23/04/21

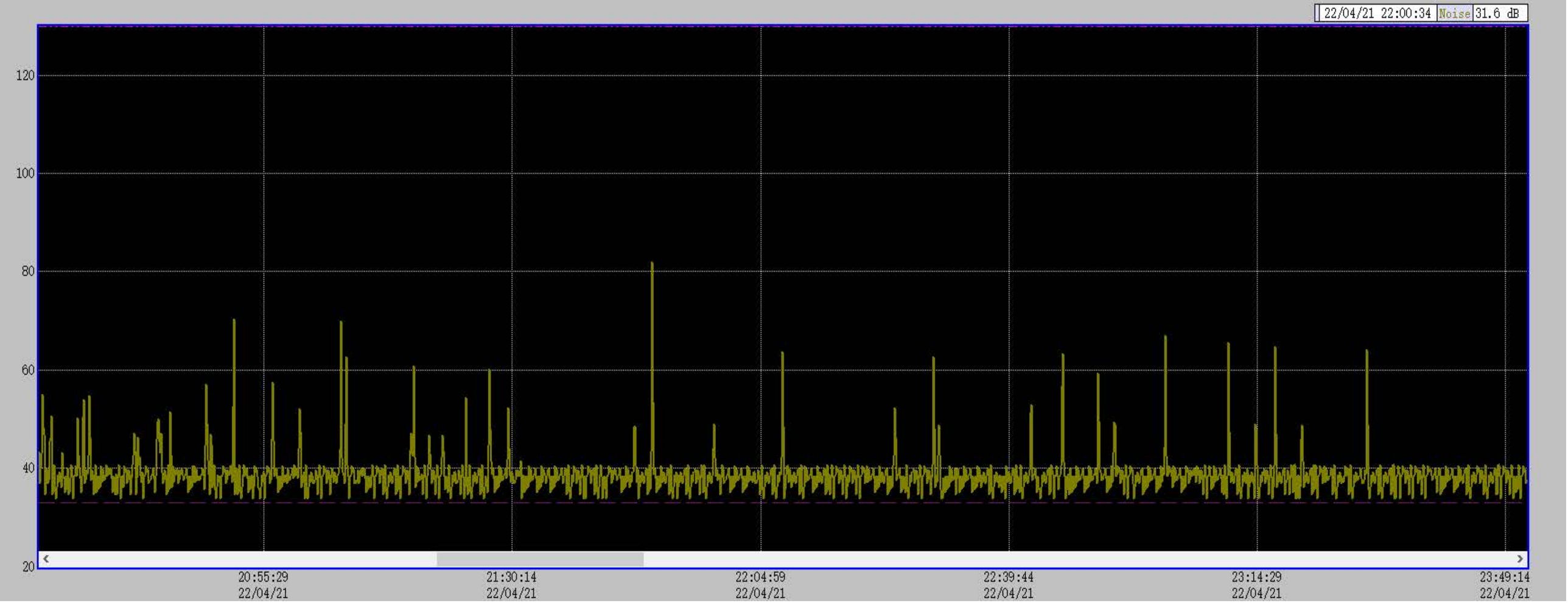
Log 3 – South Property Line 40.0533, -123.4816

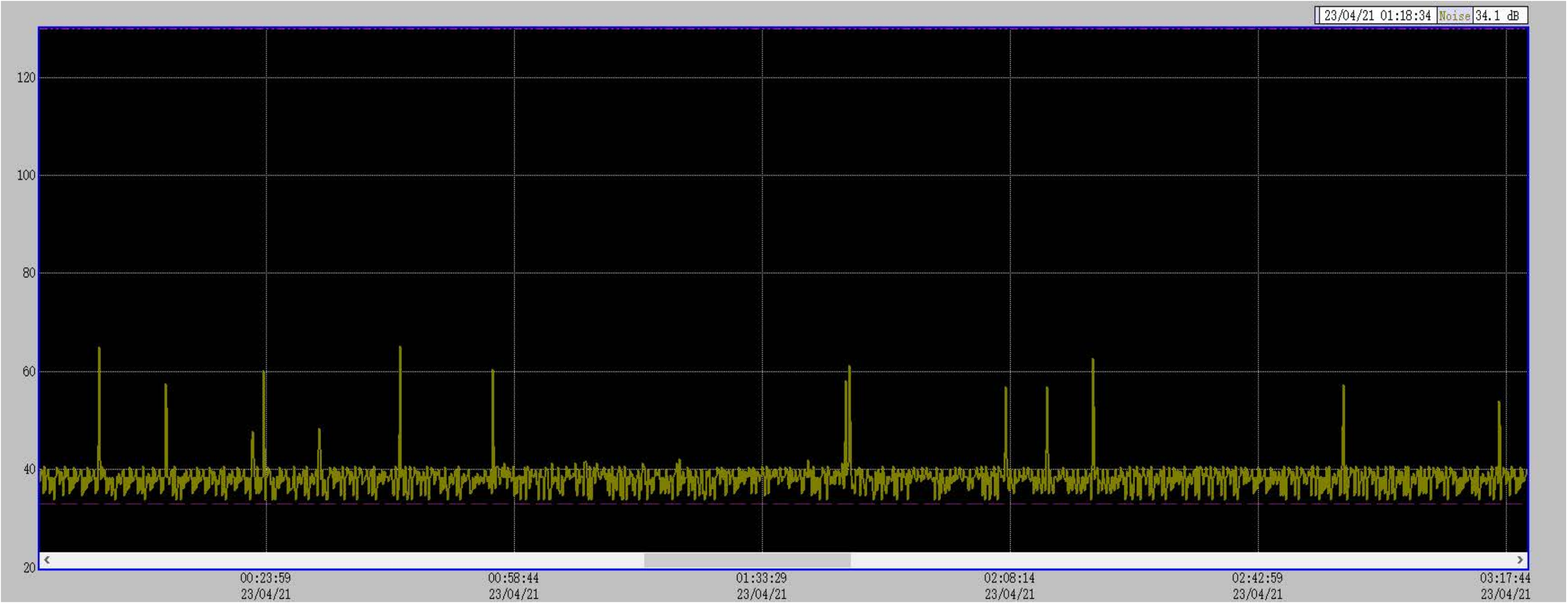
Observed ambient noise: Heavy traffic from Sprowel Creek Road and wind

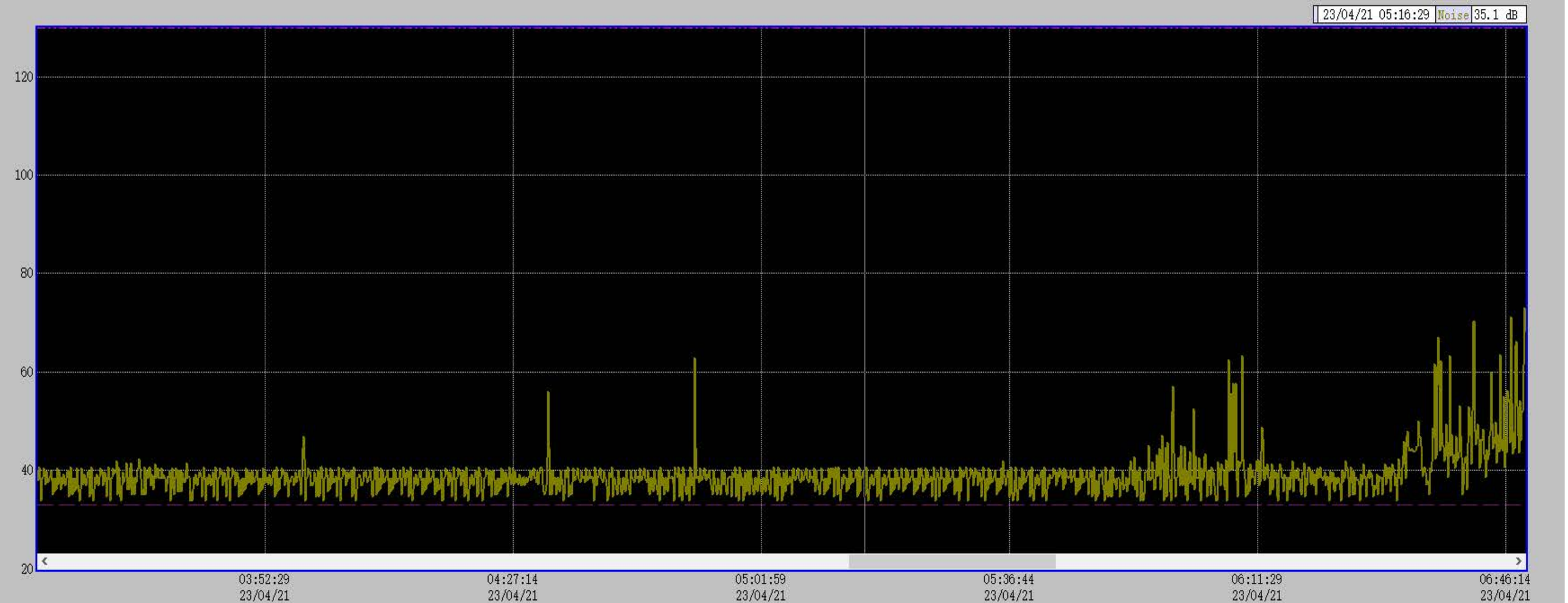
Notes: Average decibel reading of 35-45

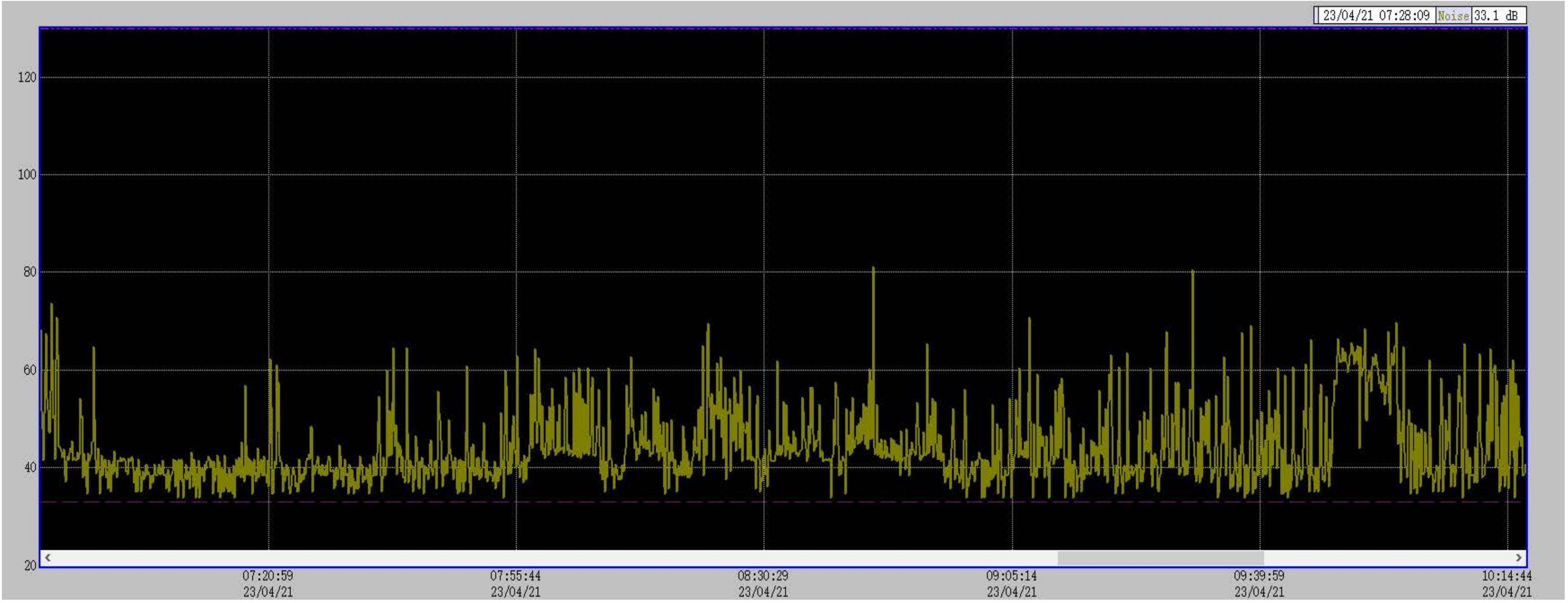

22/04/21 13:59:34
Noise
35.1 dB
120
100
80
60
40
20
13:58:29
22/04/21
14:33:14
22/04/21
15:07:59
22/04/21
15:42:44
22/04/21
16:17:29
22/04/21
16:52:14
22/04/21

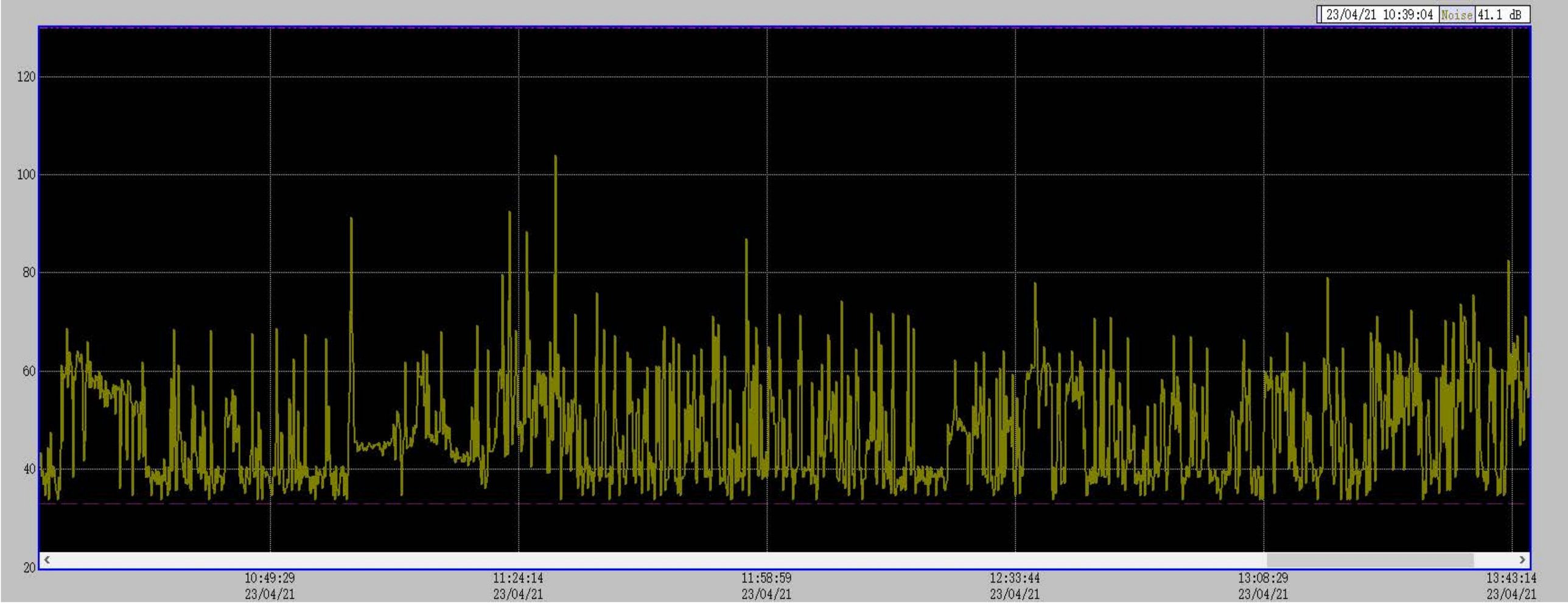

22/04/21 17:57:09
Noise
36.9 dB
120
100
80
60
40
20
17:26:59
22/04/21
18:01:44
22/04/21
18:36:29
22/04/21
19:11:14
22/04/21
19:45:59
22/04/21
20:20:44
22/04/21

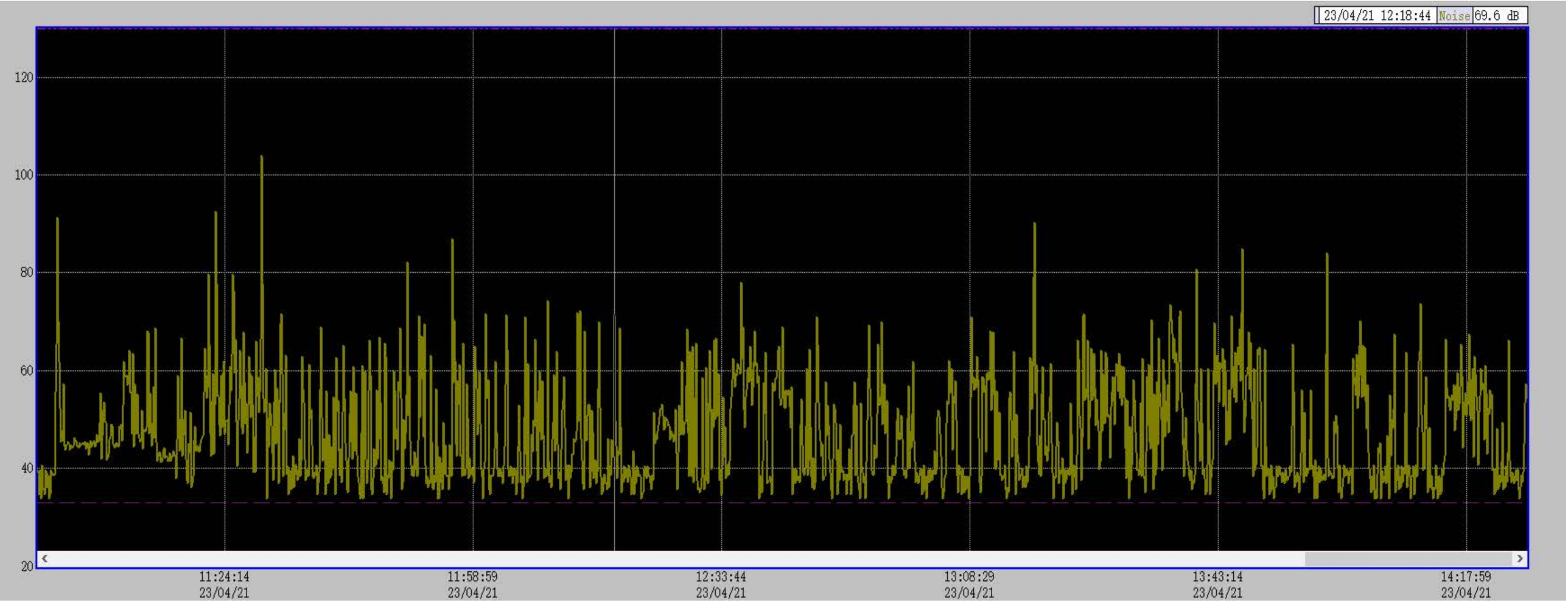

22/04/21 22:00:34
Noise
31.6 dB
120
100
80
60
40
20
20:55:29
22/04/21
21:30:14
22/04/21
22:04:59
22/04/21
22:39:44
22/04/21
23:14:29
22/04/21
23:49:14
22/04/21


23/04/21 01:18:34
Noise
34.1 dB
120
100
80
60
40
20
00:23:59
23/04/21
00:58:44
23/04/21
01:33:29
23/04/21
02:08:14
23/04/21
02:42:59
23/04/21
03:17:44
23/04/21


23/04/21 05:16:29
Noise
35.1 dB
120
100
80
60
40
20
03:52:29
23/04/21
04:27:14
23/04/21
05:01:59
23/04/21
05:36:44
23/04/21
06:11:29
23/04/21
06:46:14
23/04/21


23/04/21 07:28:09
Noise
33.1 dB
120
100
80
60
40
20
07:20:59
23/04/21
07:55:44
23/04/21
08:30:29
23/04/21
09:05:14
23/04/21
09:39:59
23/04/21
10:14:44
23/04/21


23/04/21 10:39:04
Noise
41.1 dB
120
100
80
60
40
20
10:49:29
23/04/21
11:24:14
23/04/21
11:58:59
23/04/21
12:33:44
23/04/21
13:08:29
23/04/21
13:43:14
23/04/21


23/04/21 12:18:44
Noise
69.6 dB
120
100
80
60
40
20
11:24:14
23/04/21
11:58:59
23/04/21
12:33:44
23/04/21
13:08:29
23/04/21
13:43:14
23/04/21
14:17:59
23/04/21