



Landisville Middle School
RF Emissions Testing Results - 2019

Engineer: Jacob Hartwig
Meter: Narda NBM-550
Probe: EA5091 Electric Field Probe
Calibration Due: April 1, 2021
Test Date: May 10, 2019

Introduction

V-COMM, L.L.C. has been commissioned by the Hempfield School District to perform an Electro Magnetic Energy (EME) field measurements survey to ensure that the existing radio facility complies with Federal Communications Commission (FCC) regulations as required by the Telecommunications Act of 1996.

The evaluation of this site has been completed through on-site survey. This report will show that the RF strength measurements of the radio facility in question is in compliance with all appropriate Federal regulations in regards to Radio Frequency (RF) Emissions.

The radio facility is located on an existing tower at Landisville Middle School located at 340 Mumma Dr, Landisville, PA 17538.

Conclusion

All results were well within acceptable limits based on the FCC guidelines for EMF exposure and are in line with the previous measurements taken.

Landisville Middle School Outdoor RF Emissions Testing Locations

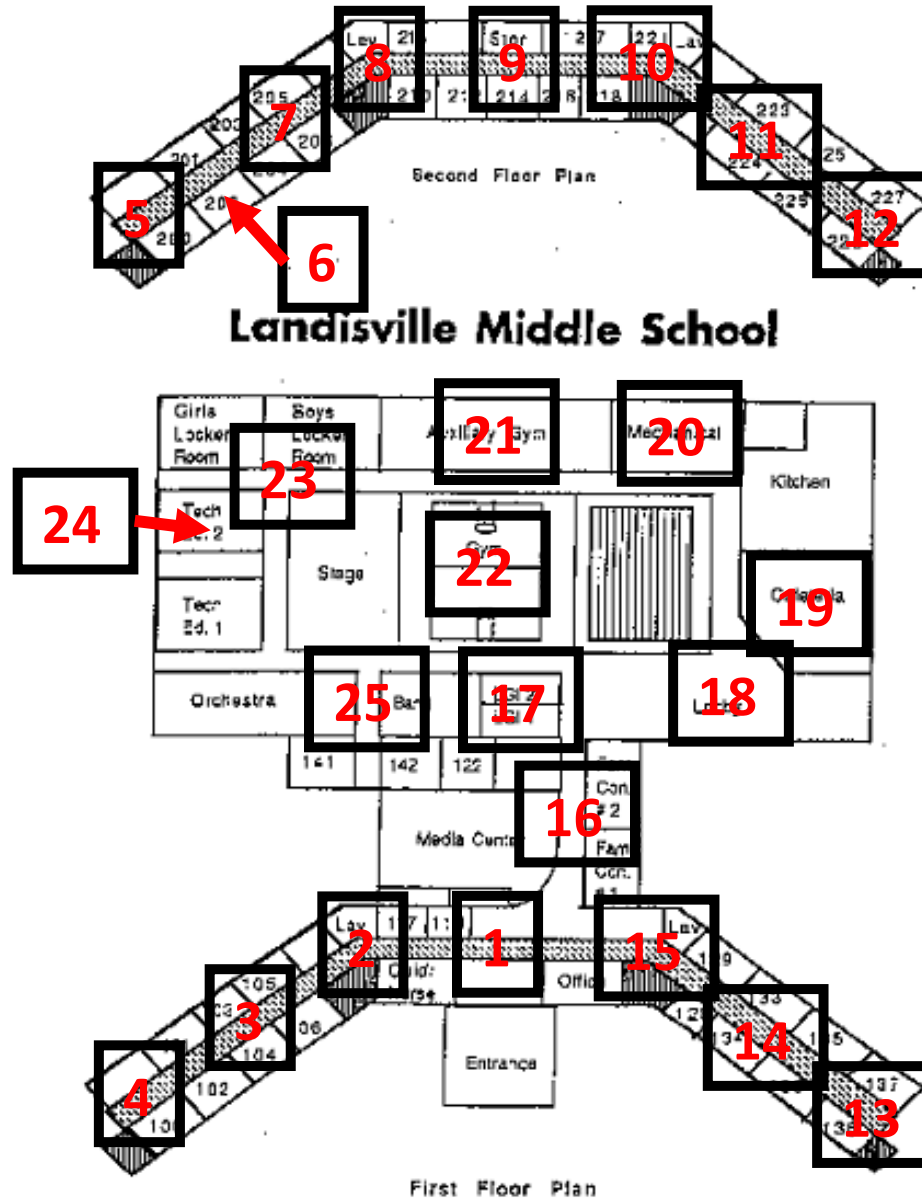


Landisville Middle School Outdoor RF Emissions Testing Data

Index	Date and Time	E-Field % Controlled Standard	E-Field % Uncontrolled Standard
1	5/10/2019 9:02:31	0.02	0.10
2	5/10/2019 9:02:58	0.02	0.10
3	5/10/2019 9:03:38	0.03	0.15
4	5/10/2019 9:04:11	0.03	0.15
5	5/10/2019 9:05:04	0.07	0.35
6	5/10/2019 9:05:45	0.02	0.10
7	5/10/2019 9:06:20	0.07	0.35
8	5/10/2019 9:07:13	0.08	0.40
9	5/10/2019 9:07:48	0.10	0.50
10	5/10/2019 9:08:40	0.07	0.35
11	5/10/2019 9:13:28	0.02	0.10
12	5/10/2019 9:14:03	0.05	0.25
13	5/10/2019 9:14:45	0.18	0.90
14	5/10/2019 9:19:38	0.14	0.70
15	5/10/2019 9:20:04	0.14	0.70
16	5/10/2019 9:20:34	0.18	0.90
17	5/10/2019 9:25:38	0.13	0.65
18	5/10/2019 9:26:38	0.22	1.10
19	5/10/2019 9:27:10	0.13	0.65
20	5/10/2019 9:28:22	0.12	0.60
21	5/10/2019 9:29:05	0.10	0.50
22	5/10/2019 9:29:53	0.12	0.60
23	5/10/2019 9:32:10	0.16	0.80
24	5/10/2019 9:32:48	0.14	0.70
25	5/10/2019 10:05:22	0.21	1.05
26	5/10/2019 10:05:34	0.17	0.85
27	5/10/2019 9:35:38	0.03	0.15

Note: The EA5091 Electric Field Probe is calibrated to the FCC Occupational Standard. The unit conversion to the FCC General Public Standard is to multiply by 5. At multiple emitter sites, such as the Little Silver Municipal Tower, the total detected field strength of each emitter (to its limit, at its frequency) is summed within the probe to display the result in “% of Std.”

Landisville Middle School Indoor RF Emissions Testing Locations

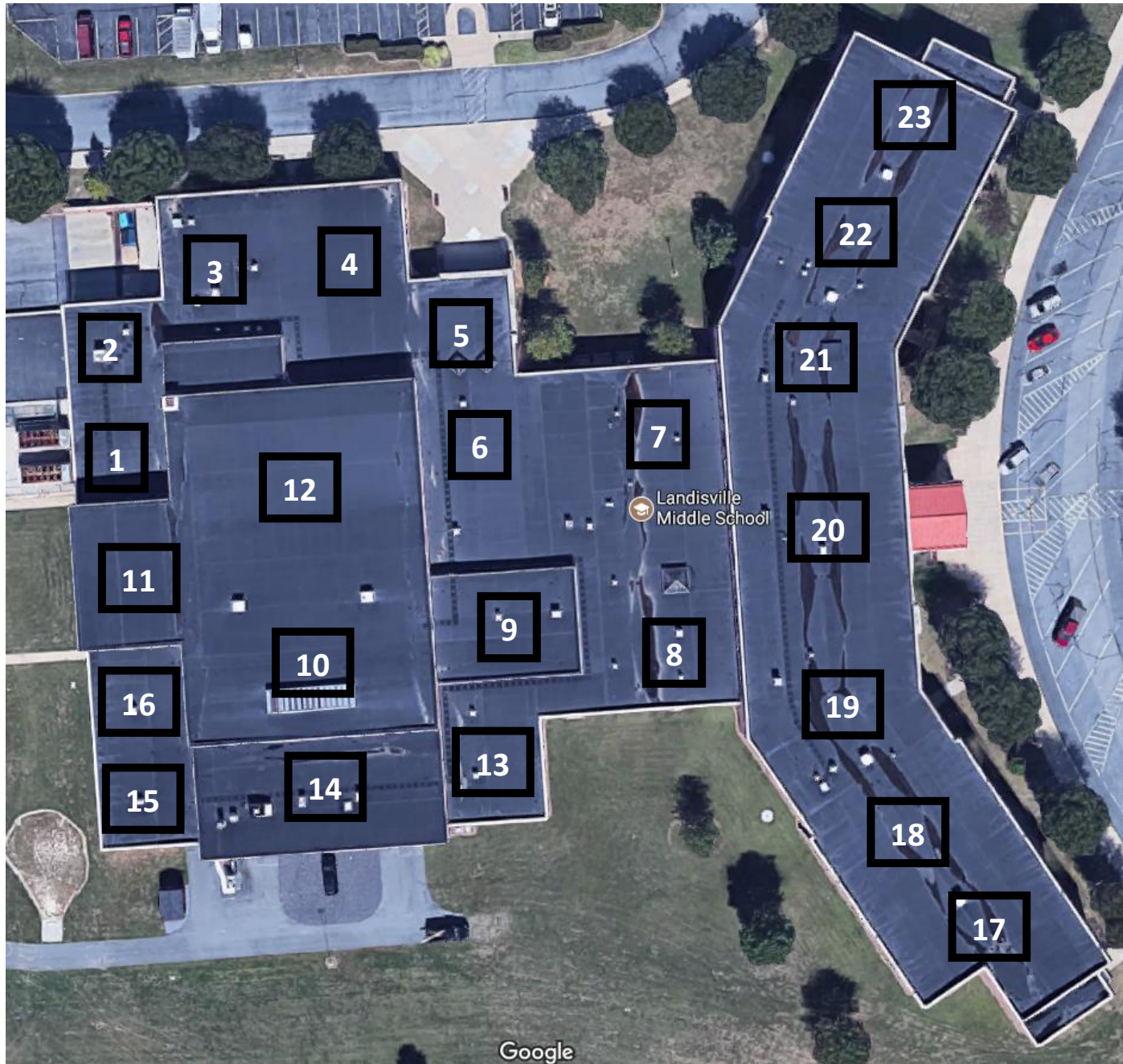


Landisville Middle School Indoor RF Emissions Testing Data

Index	Date and Time	E-Field % Controlled Standard	E-Field % Uncontrolled Standard
1	5/10/2019 8:01:03	0.15	0.75
2	5/10/2019 8:01:36	0.14	0.70
3	5/10/2019 8:02:06	0.09	0.45
4	5/10/2019 8:02:47	0.12	0.60
5	5/10/2019 8:03:24	0.05	0.25
6	5/10/2019 8:04:05	0.04	0.20
7	5/10/2019 8:04:36	0.07	0.35
8	5/10/2019 8:05:08	0.06	0.30
9	5/10/2019 8:05:39	0.10	0.50
10	5/10/2019 8:06:12	0.08	0.40
11	5/10/2019 8:07:00	0.08	0.40
12	5/10/2019 8:07:36	0.06	0.30
13	5/10/2019 8:08:08	0.01	0.05
14	5/10/2019 8:09:06	0.04	0.20
15	5/10/2019 8:10:07	0.06	0.30
16	5/10/2019 8:10:48	0.06	0.30
17	5/10/2019 8:11:26	0.03	0.15
18	5/10/2019 8:11:58	0.04	0.20
19	5/10/2019 8:12:34	0.01	0.05
20	5/10/2019 8:13:37	0.01	0.05
21	5/10/2019 8:15:33	0.03	0.15
22	5/10/2019 8:17:00	0.02	0.10
23	5/10/2019 8:18:17	0.06	0.30
24	5/10/2019 8:19:21	0.03	0.15
25	5/10/2019 8:21:02	0.04	0.20

Note: The EA5091 Electric Field Probe is calibrated to the FCC Occupational Standard. The unit conversion to the FCC General Public Standard is to multiply by 5. At multiple emitter sites, such as the Little Silver Municipal Tower, the total detected field strength of each emitter (to its limit, at its frequency) is summed within the probe to display the result in “% of Std.”

Landisville Middle School Rooftop RF Emissions Testing Locations



Landisville Middle School Indoor RF Emissions Testing Data

Index	Date and Time	E-Field % Controlled Standard	E-Field % Uncontrolled Standard
1	5/10/2019 8:24:01	0.05	0.25
2	5/10/2019 8:24:17	0.01	0.05
3	5/10/2019 8:25:01	0.02	0.10
4	5/10/2019 8:25:33	0.01	0.05
5	5/10/2019 8:26:00	0.04	0.20
6	5/10/2019 8:26:54	0.06	0.30
7	5/10/2019 8:27:29	0.05	0.25
8	5/10/2019 8:29:04	0.03	0.15
9	5/10/2019 8:29:55	0.03	0.15
10	5/10/2019 8:31:29	0.03	0.15
11	5/10/2019 8:32:16	0.04	0.20
12	5/10/2019 8:33:07	0.07	0.35
13	5/10/2019 8:33:43	0.15	0.75
14	5/10/2019 8:36:10	0.15	0.75
15	5/10/2019 8:36:59	0.23	1.15
16	5/10/2019 8:37:40	0.23	1.15
17	5/10/2019 8:38:04	0.02	0.10
18	5/10/2019 8:50:07	0.04	0.20
19	5/10/2019 8:50:28	0.07	0.35
20	5/10/2019 8:50:53	0.06	0.30
21	5/10/2019 8:51:42	0.06	0.30
22	5/10/2019 8:52:15	0.08	0.40
23	5/10/2019 8:52:45	0.04	0.20

Note: The EA5091 Electric Field Probe is calibrated to the FCC Occupational Standard. The unit conversion to the FCC General Public Standard is to multiply by 5. At multiple emitter sites, such as the Little Silver Municipal Tower, the total detected field strength of each emitter (to its limit, at its frequency) is summed within the probe to display the result in “% of Std.”