Rohrerstown Elementary School
RF Emissions Testing Results - 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 Rohrerstown Elementary School located at 2200 Noll Dr, Lancaster, PA 17603.

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.

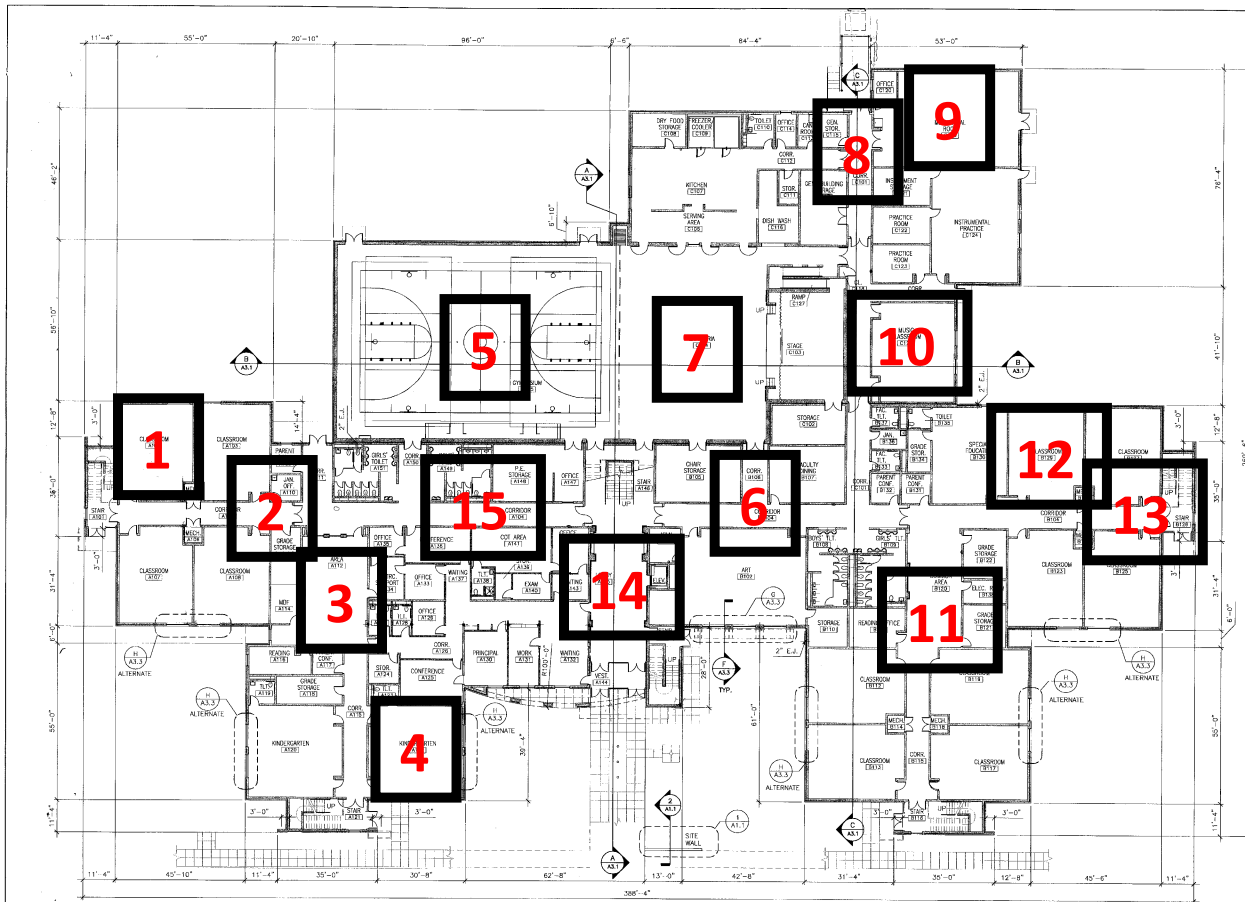## Rohrerstown Elementary School Outdoor RF Emissions Testing Locations
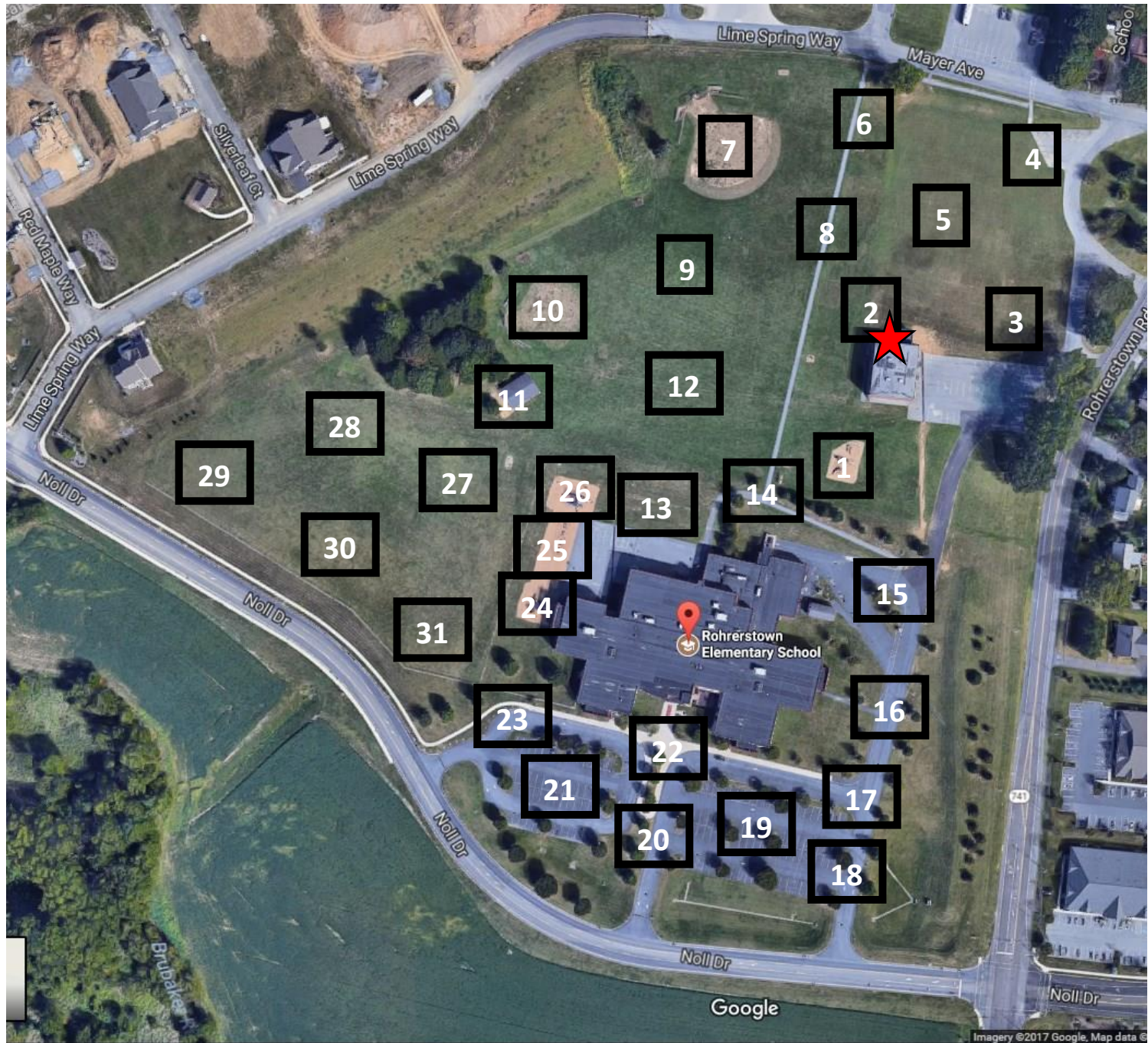
Rohrerstown Elementary School Outdoor RF Emissions Testing Data

Index	Date and Time	E-Field % Controlled Standard	E-Field % Uncontrolled Standard
1	5/9/2019 9:07:02	0.01	0.05
2	5/9/2019 9:07:32	0.01	0.05
3	5/9/2019 9:08:35	0.02	0.10
4	5/9/2019 9:10:02	0.01	0.05
5	5/9/2019 9:10:51	0.02	0.10
6	5/9/2019 9:11:45	0.02	0.10
7	5/9/2019 9:12:47	0.01	0.05
8	5/9/2019 9:13:37	0.02	0.10
9	5/9/2019 9:14:35	0.02	0.10
10	5/9/2019 9:16:02	0.02	0.10
11	5/9/2019 9:17:06	0.01	0.05
12	5/9/2019 9:18:21	0.01	0.05
13	5/9/2019 9:19:18	0.02	0.10
14	5/9/2019 9:20:14	0.02	0.10
15	5/9/2019 9:21:59	0.01	0.05
16	5/9/2019 9:23:39	0.03	0.15

Index	Date and Time	E-Field % Controlled Standard	E-Field % Uncontrolled Standard
17	5/9/2019 9:25:01	0.03	0.15
18	5/9/2019 9:26:04	0.03	0.15
19	5/9/2019 9:26:47	0.04	0.20
20	5/9/2019 9:27:51	0.05	0.25
21	5/9/2019 9:28:55	0.09	0.45
22	5/9/2019 9:29:55	0.09	0.45
23	5/9/2019 9:30:38	0.10	0.50
24	5/9/2019 9:31:52	0.08	0.40
25	5/9/2019 10:01:57	0.07	0.35
26	5/9/2019 10:02:11	0.03	0.15
27	5/9/2019 10:03:00	0.02	0.10
28	5/9/2019 10:04:12	0.02	0.10
29	5/9/2019 10:05:15	0.03	0.15
30	5/9/2019 10:06:40	0.01	0.05
31	5/9/2019 10:08:09	0.01	0.05

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 Verizon 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."

Rohrerstown Elementary School First Floor RF Emissions Testing Locations

Rohrerstown Elementary School First Floor RF Emissions Testing Data

Index	Date and Time	E-Field % Controlled Standard	E-Field % Uncontrolled Standard
1	5/9/2019 8:14:11	0.03	0.15
2	5/9/2019 8:14:45	0.02	0.10
3	5/9/2019 8:15:24	0.01	0.05
4	5/9/2019 8:15:47	0.02	0.10
5	5/9/2019 8:16:19	0.01	0.05
6	5/9/2019 8:17:21	0.02	0.10
7	5/9/2019 8:18:07	0.01	0.05
8	5/9/2019 8:18:33	0.01	0.05
9	5/9/2019 8:19:32	0.01	0.05
10	5/9/2019 8:19:59	0.02	0.10
11	5/9/2019 8:21:54	0.02	0.10
12	5/9/2019 8:22:44	0.01	0.05
13	5/9/2019 8:23:48	0.01	0.05
14	5/9/2019 8:24:20	0.02	0.10
15	5/9/2019 8:25:26	0.02	0.10

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 Verizon 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."
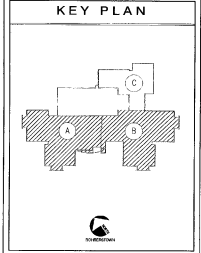
Rohrerstown Elementary School Second Floor RF Emissions Testing Locations
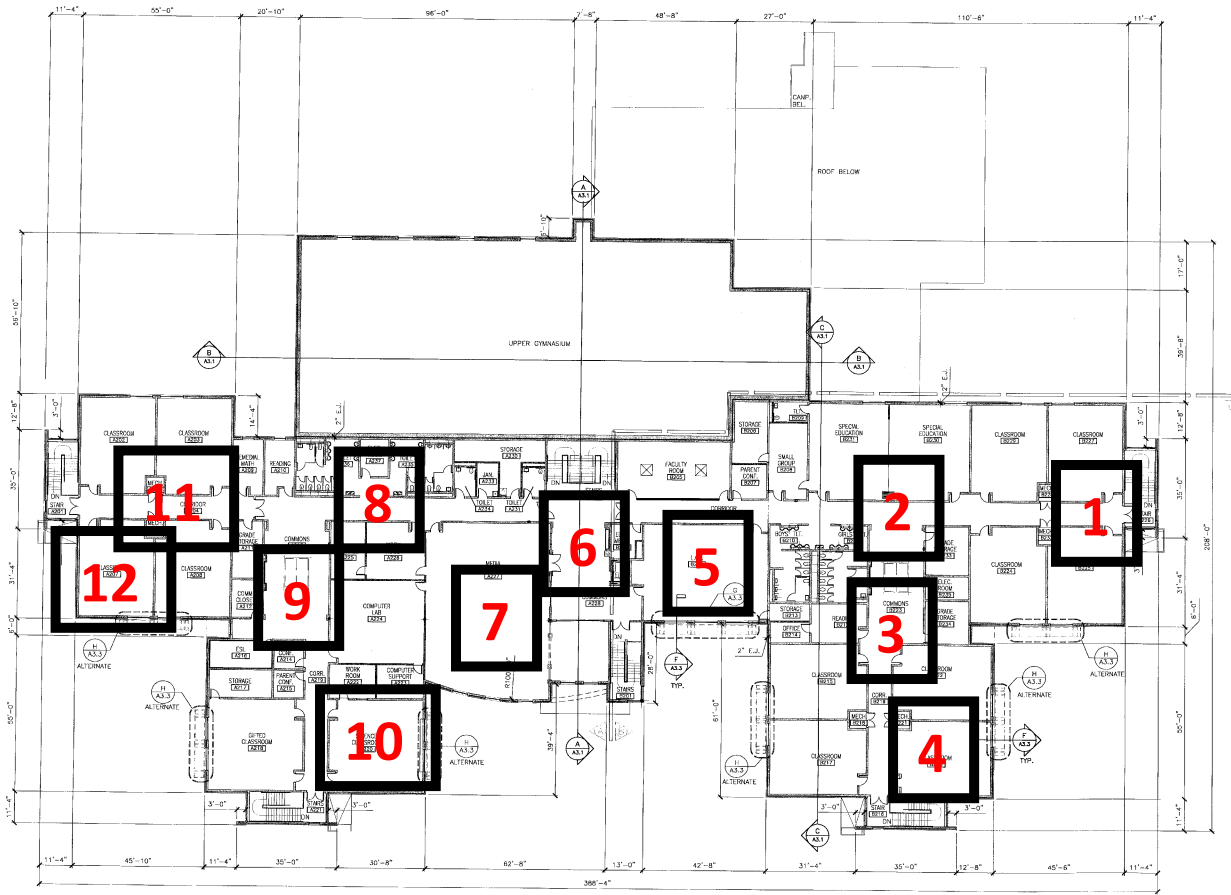
OVERALL SECOND FLOOR PLAN
SCALE: 1/16" = 1'-0"

Rohrerstown Elementary School Second Floor RF Emissions Testing Data

Index	Date and Time	E-Field % Controlled Standard	E-Field % Uncontrolled Standard
1	5/9/2019 8:27:05	0.29	1.45
2	5/9/2019 8:27:50	0.30	1.50
3	5/9/2019 8:28:21	0.22	1.10
4	5/9/2019 8:28:48	0.09	0.45
5	5/9/2019 8:29:32	0.08	0.40
6	5/9/2019 8:30:44	0.13	0.65
7	5/9/2019 8:31:30	0.16	0.80
8	5/9/2019 8:32:07	0.06	0.30
9	5/9/2019 8:32:42	0.05	0.25
10	5/9/2019 8:33:07	0.06	0.30
11	5/9/2019 8:33:40	0.10	0.50
12	5/9/2019 8:34:37	0.10	0.50

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 Verizon 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."

Rohrerstown Elementary School Rooftop RF Emissions Testing Locations

Rohrerstown Elementary School Indoor RF Emissions Testing Data

Index	Date and Time	E-Field % Controlled Standard	E-Field % Uncontrolled Standard
1	5/9/2019 8:40:06	0.04	0.20
2	5/9/2019 8:40:36	0.01	0.05
3	5/9/2019 8:41:05	0.02	0.10
4	5/9/2019 8:41:31	0.01	0.05
5	5/9/2019 8:41:57	0.02	0.10
6	5/9/2019 8:43:08	0.01	0.05
7	5/9/2019 8:43:49	0.01	0.05
8	5/9/2019 8:44:17	0.06	0.30
9	5/9/2019 8:44:54	0.04	0.20
10	5/9/2019 8:45:35	0.05	0.25
11	5/9/2019 8:46:03	0.19	0.95
12	5/9/2019 8:47:58	0.15	0.75
13	5/9/2019 8:49:28	0.21	1.05
14	5/9/2019 8:49:58	0.20	1.00
15	5/9/2019 8:50:58	0.21	1.05

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 Verizon 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."