Radio Frequency Safety Survey Report On-Site

Prepared For: Milestone Communications

Site Name:	Centreville High School
Site ID:	N/A
Address:	6001 Union Mill Road Clifton, VA, 20124
County:	Fairfax
Latitude:	N38°49'30.00"
Longitude:	W77°24'39.60"

Additional Site Information

Site Structure Type:	Monopole
Access Restriction:	Locked
Access Control:	Check in at the main office

Survey Technician:	John Lee
Site Survey Date:	April 05, 2019
Site Survey Time:	3:30 PM
Report Writer:	Harun Rasid
Generation Date:	April 11, 2019
Meter Model/Serial:	3006/01, K-0107
Calibration Date:	February 11, 2019
Probe Model/Serial:	3501/03, K-1144
Calibration Date:	February 11, 2019

Compliance Statement

Based on the information provided by the client and theoretical modeling guidelines set forth in Federal Communications Commission (FCC) Office of Engineering and Technology Bulletin 65, predicted radiofrequency power density values at ground and incident on adjacent buildings are below the FCC limits found at 47 C.F.R. §1.1310.

1 General Summary

Milestone Communications has contracted Waterford Consultants, LLC to conduct a Radiofrequency (RF) Electromagnetic Compliance assessment of the Centreville High School site located at 6001 Union Mill Road, Clifton, VA, 20124. The compliance framework is derived from the FCC Rules and Regulations for preventing human exposure in excess of the applicable MPE (Maximum Permissible Exposure) limits. An overview of the applicable FCC Rules and analysis guidelines is presented in Appendix A. The subsequent sections contain information regarding the radio telecommunications equipment installed at this site and the surrounding environment with regard to RF Hazard compliance.

Image to show distance to surrounding buildings 50' Grid

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3 Emission Measurements and Discussion

The site was surveyed at approximately 3:30 PM on April 05, 2019. The temperature at the time of visit was 47 degrees F with cloudy skies. All accessible areas of the site were inspected. Measurement collection was performed using Narda Survey meter and broadband probe (300 kHz to 50 GHz) and was consistent with FCC and Narda procedures, regarding the location of the probe to the RF source and making slow sweeping motions over the area that a person would occupy. In using this broadband instrument, the results represent the cumulative contributions of all RF sources at the measurement locations. Examples of these sources include antennas supporting TV and FM broadcast, cellular and WIFI router operations as well as RF-enabled mobile devices such as cellular phones that may be in the vicinity of the measurement location. Power density values were recorded as a percentage of the FCC General Population limits.

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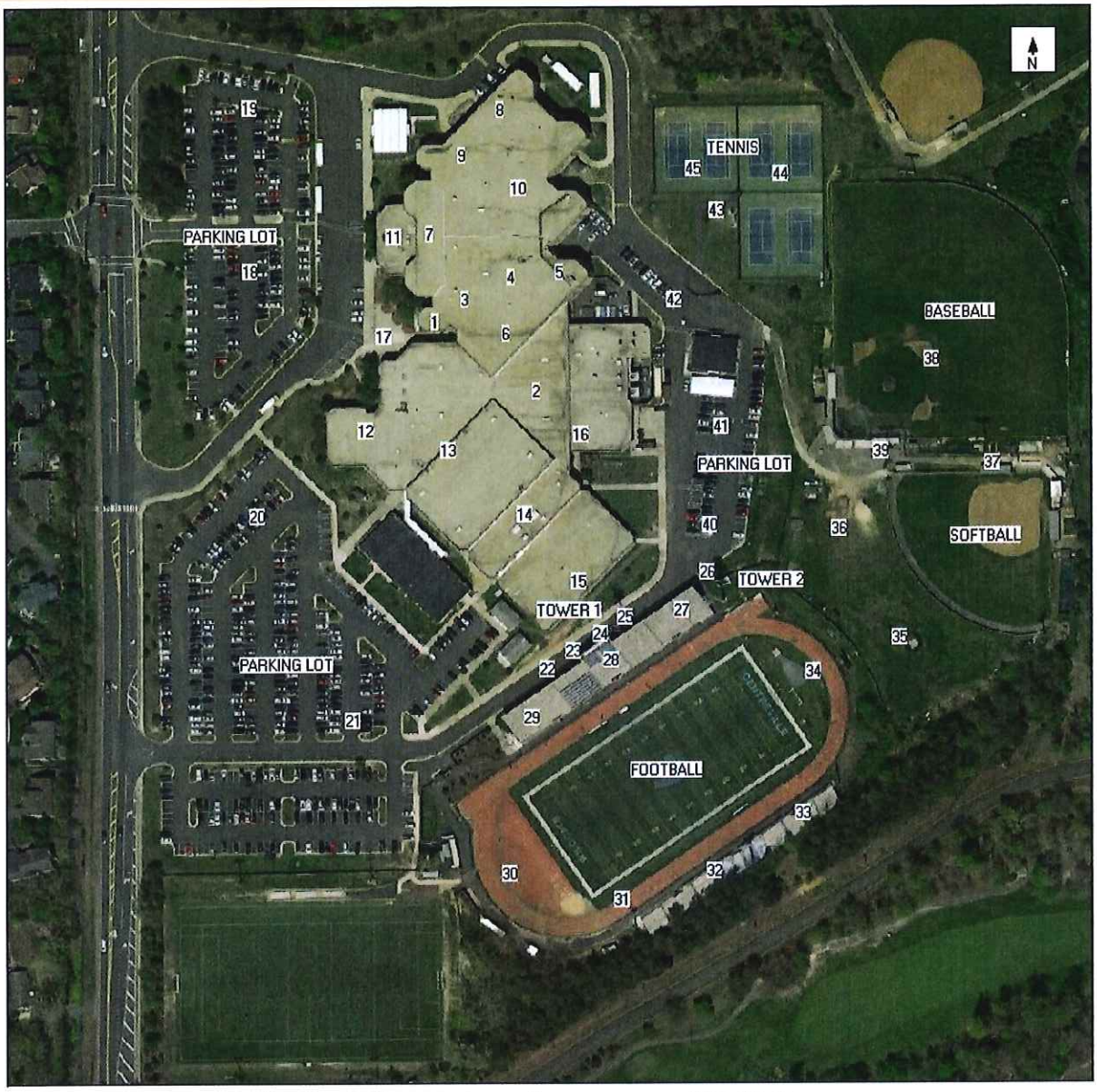

The above site map shows the measurement locations.

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Measurement Readings are Spatial Average as MPE % of the General Population Limits

Loc#	Avg	Loc#	Avg
1 (Inside)	0.2500%	2 (Inside)	0.2500%
3 (Inside)	0.2500%	4 (Inside)	0.2550%
5 (Inside)	0.2550%	6 (Inside)	0.2550%
7 (Inside)	0.2550%	8 (Inside)	0.2600%
9 (Inside)	0.2600%	10 (Inside)	0.2600%
11 (Inside)	0.2600%	12 (Inside)	0.2600%
13 (Inside)	0.2600%	14 (Inside)	0.2600%
15 (Inside)	0.2650%	16 (Inside)	0.2650%
17 (Inside)	0.2650%	18	0.2650%
19	0.2700%	20	0.2850%
21	0.2950%	22	0.2900%
23	0.3200%	24	0.3350%
25	0.3100%	26	0.3100%
27	0.3200%	28	0.3100%
29	0.3250%	30	0.3450%
31	0.3650%	32	0.3650%
33	0.3500%	34	0.3000%
35	0.2800%	36	0.2900%
37	0.2950%	38	0.2800%
39	0.3550%	40	0.3300%
41	0.3250%	42	0.2950%
43	0.3250%	44	0.3300%
45	0.3450%		

Summary: The maximum spatially averaged power density reading was 0.3650% of the FCC General Population limits

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4 Recommendations for Compliance

RF power density measurements at interior and ground locations at the site were found to be below Radiofrequency Emissions Maximum Permissible Exposure (MPE) General Population limits.

5 Recommendations for Compliance

No actions are required at this time.

6 Reviewer Certification

I have reviewed this RF Emissions assessment report and believe it to be both true and accurate to the best of my knowledge.

David Hamilton Kiser, P.E. 2019.04.12 10:49:08 -04'00'

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