Radio Frequency Safety Survey Report On-Site

Prepared For: Milestone Communications

Site Name:	Bryant Alternative High School
Site ID:	N/A
Address:	2709 Popkins Lane Alexandria, VA 22306
County:	Fairfax
Latitude:	38.76417
Longitude:	-77.08

Additional Site Information

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

Survey Technician:	William Siryani
Site Survey Date:	April 16, 2019
Site Survey Time:	2:15 PM
Report Writer:	Harun Rasid
Generation Date:	April 22, 2019
Meter Model/Serial:	NBM-550/F-0266
Calibration Date:	August 1, 2018
Probe Model/Serial:	EA 509/ 01188
Calibration Date:	July 25, 2018

Compliance Statement

Based on the information provided by the client, measured radiofrequency power density values during the time of the survey at ground and within adjacent buildings were found to be below the FCC limits set forth 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 Bryant Alternative High School site located at 2709 Popkins Lane, Alexandria , VA 22306. 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 2:15 PM on April 16, 2019. The temperature at the time of visit was 74 degrees F with Sunny sky. 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)	0.3750%	2 (Inside)	0.5260%
3 (Inside)	0.7955%	4 (Inside)	0.3120%
5 (Inside)	0.3325%	6 (Inside)	0.4190%
7 (Inside)	0.2845%	8 (Inside)	0.2400%
9 (Inside)	0.0435%	10 (Inside)	0.4620%
11 (Inside)	0.4480%	12 (Inside)	0.4620%
13 (Inside)	0.4480%	14 (Inside)	0.4510%
15 (Inside)	0.4925%	16	0.2850%
17	0.3700%	18	0.3150%
19	0.7265%	20	0.1860%
21	0.0400%	22	0.0765%
23	0.3455%	24	0.5810%
25	0.1520%	26	0.7675%
27	0.0505%	28	0.0640%
29	0.1725%	30	0.0250%
31	1.0365%	32	0.8610%
33	1.0280%		

Summary: The maximum spatially averaged power density reading was **1.0365%** 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. 2019.04.22 16:55:41 -04'00'

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