EXHIBIT 7
RF Emission Study - Rosendale

TECTONIC ENGINEERING

ROSENDALE SITE

1915 LUCAS AVENUE
ULSTER COUNTY
COTTEKILL, NEW YORK

RF EMISSION STUDY

JULY 7, 2025

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NJ Board of Professional Engineers
Certificate of Authorization No. 24GA28156300

Introduction

V-COMM, L.L.C. has been commissioned by Tectonic Engineering, to ensure the proposed radio facility complies with Federal Communications Commission (FCC) regulations as required by the Telecommunications Act of 1996. This report will show, through the use of FCC prediction methods, that the radio facility in question will be in compliance with all appropriate Federal regulations in regards to Radio Frequency (RF) Emissions. The final results of the analysis are summarized below:

FCC OET-65 STANDARD	Controlled Environment	Uncontrolled Environment
Calculated Percentage of Maximum Emissions	**1.809 %**	**9.047 %**

Case Summary

The proposed Tectonic radio facility site is a 190 ft. lattice tower located at 1915 Lucas Avenue Ext. in Cottekill, Rosendale Township, Ulster County, New York. The proposed tower will be operating five (5) Ulster County VHF antennas, one (1) Bloomington Fire Department (FD) VHF antenna, and one (1) Rosendale VHF antenna mounted at various heights to support public safety communications in the area. Ulster County dish antennas will be mounted at 188 feet and 111 feet center-line heights (base antennas at 185 ft and 108 ft) to be used for point-to-point communications between Golden Hill and Sam's Point respectively. Verizon will be operating three sectored panel antennas from the lattice tower utilizing LTE and 5G NR technologies. The Verizon antennas will be mounted at a centerline of 120 feet Above Ground Level (AGL). Technical data for Verizon antennas are listed in Tables 1a through 1e below, and 2 dish antennas in Tables 2a and 2b, below. Technical data considered for the Ulster County, Bloomington FD, and Rosendale VHF antennas are listed in Tables 2c through 2i below. A future cellular carrier allocation has been made at 90 feet on the tower with the study reflecting worst-case EMF exposure factored into the environment with the technical data represented in Table 3 below.

Table 1a – Technical Data for proposed Verizon 700 MHz LTE

VERIZON	Sector 1	Sector 2	Sector 3
Antenna	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B
Antenna Centerline (feet)	120	120	120
Orientation (deg. TN)	20	130	230
ERP (Watts)	1941.29	1941.29	1941.29
Frequency (MHz)	700	700	700
# Carriers	2	2	2

R/C Height Above Measurement Point (feet)	114	114	114

Table 1b – Technical Data for proposed Verizon 850 MHz LTE / 5G NR

VERIZON	Sector 1	Sector 2	Sector 3
Antenna	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B
Antenna Centerline (feet)	120	120	120
Orientation (deg. TN)	20	130	230
ERP (Watts)	1986.51	1986.51	1986.51
Frequency (MHz)	850	850	850
# Carriers	2	2	2
R/C Height Above Measurement Point (feet)	114	114	114

Table 1c – Technical Data for proposed Verizon 1900 MHz LTE

VERIZON	Sector 1	Sector 2	Sector 3
Antenna	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B
Antenna Centerline (feet)	120	120	120
Orientation (deg. TN)	20	130	230
ERP (Watts)	6593.56	6593.56	6593.56
Frequency (MHz)	1900	1900	1900
# Carriers	1	1	1
R/C Height Above Measurement Point (feet)	114	114	114

Table 1d – Technical Data for proposed Verizon 2100 MHz LTE

VERIZON	Sector 1	Sector 2	Sector 3
Antenna	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B
Antenna Centerline (feet)	120	120	120
Orientation (deg. TN)	20	130	230
ERP (Watts)	3296.78	3296.78	3296.78
Frequency (MHz)	2100	2100	2100
# Carriers	2	2	2
R/C Height Above Measurement Point (feet)	114	114	114

Table 1e – Technical Data for proposed Verizon 3700 MHz 5G NR

VERIZON	Sector 1	Sector 2	Sector 3
Antenna	Samsung MT6413-77A	Samsung MT6413-77A	Samsung MT6413-77A
Antenna Centerline (feet)	120	120	120
Orientation (deg. TN)	20	130	230
ERP (Watts)	54973.07	54973.07	54973.07
Frequency (MHz)	3700	3700	3700
# Carriers	1	1	1
R/C Height Above Measurement Point (feet)	114	114	114

Table 2a – Technical Data for proposed dish antenna (Golden Hill to Rosendale)

Goldenhill/Rosendale	Sector 1
Antenna	Commscope PAR6-65-PXA
Antenna Centerline (feet)	188
Orientation (deg. TN)	20
ERP (Watts)	1396
Frequency (MHz)	6400
# Carriers	1
R/C Height Above Measurement Point (feet)	182

Table 2b – Technical Data for proposed dish antenna (Rosendale to Sam's Point)

Rosendale/Sam's Pt.	Sector 1
Antenna	Commscope PAR6-59W-PXA/A
Antenna Centerline (feet)	111
Orientation (deg. TN)	230
ERP (Watts)	1396
Frequency (MHz)	6400
# Carriers	1
R/C Height Above Measurement Point (feet)	105

Table 2c – Technical Data for proposed Ulster VHF Antenna TX1

ULSTER VHF TX1	Sector 1
Antenna	dBSpectra DSDS1F03P36UM
Antenna Centerline (feet)	86
Orientation (deg. TN)	-
ERP (Watts)	100
Frequency (MHz)	155.7525
# Carriers	1
R/C Height Above Measurement Point (feet)	80

Table 2d – Technical Data for proposed Ulster VHF Antenna TX1

ULSTER VHF TX1	Sector 1
Antenna	dBSpectra DSDS1F03P36UM
Antenna Centerline (feet)	86
Orientation (deg. TN)	-
ERP (Watts)	100
Frequency (MHz)	151.1375
# Carriers	1
R/C Height Above Measurement Point (feet)	80

Table 2e – Technical Data for proposed Ulster VHF Antenna TX3

ULSTER VHF TX3	Sector 1
Antenna	RFI BA80-41-DIN
Antenna Centerline (feet)	151
Orientation (deg. TN)	-
ERP (Watts)	150
Frequency (MHz)	155.025
# Carriers	1
R/C Height Above Measurement Point (feet)	145

Table 2f – Technical Data for proposed Ulster VHF Antenna TX4

ULSTER VHF TX4	Sector 1
Antenna	RFI OA2020-41-DIN
Antenna Centerline (feet)	146
Orientation (deg. TN)	-
ERP (Watts)	150
Frequency (MHz)	155.175
# Carriers	1
R/C Height Above Measurement Point (feet)	140

Table 2g – Technical Data for proposed Ulster VHF Antenna TX5

ULSTER VHF TX5	Sector 1
Antenna	RFI OA2020-41-DIN
Antenna Centerline (feet)	146
Orientation (deg. TN)	-
ERP (Watts)	150
Frequency (MHz)	155.22
# Carriers	1
R/C Height Above Measurement Point (feet)	140

Table 2h – Technical Data for proposed Rosendale PD VHF Antenna

Rosendale PD VHF	Sector 1
Antenna	dBSpectra DSDS1F06P36U
Antenna Centerline (feet)	91
Orientation (deg. TN)	-
ERP (Watts)	80
Frequency (MHz)	155.49
# Carriers	1
R/C Height Above Measurement Point (feet)	85

Table 2i– Technical Data for proposed Bloomington FD VHF Antenna

Rosendale PD VHF	Sector 1
Antenna	dBSpectra DSDS1F06P36U
Antenna Centerline (feet)	91
Orientation (deg. TN)	-
ERP (Watts)	75
Frequency (MHz)	160.05
# Carriers	1
R/C Height Above Measurement Point (feet)	85

Table 3a – Technical Data for proposed Future Carrier 700 MHz LTE

CARRIER	Sector 1	Sector 2	Sector 3
Antenna	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B
Antenna Centerline (feet)	90	90	90
Orientation (deg. TN)	20	130	230
ERP (Watts)	1900	1900	1900
Frequency (MHz)	700	700	700
# Carriers	2	2	2
R/C Height Above Measurement Point (feet)	84	84	84

Table 3b – Technical Data for proposed Future Carrier 800 MHz LTE / 5G NR

CARRIER	Sector 1	Sector 2	Sector 3
Antenna	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B
Antenna Centerline (feet)	90	90	90
Orientation (deg. TN)	20	130	230
ERP (Watts)	2000	2000	2000
Frequency (MHz)	800	800	800
# Carriers	2	2	2
R/C Height Above Measurement Point (feet)	84	84	84

Table 3c – Technical Data for proposed Future Carrier 1900 MHz LTE

CARRIER	Sector 1	Sector 2	Sector 3
Antenna	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B
Antenna Centerline (feet)	90	90	90
Orientation (deg. TN)	20	130	230
ERP (Watts)	6590	6590	6590
Frequency (MHz)	1900	1900	1900
# Carriers	1	1	1
R/C Height Above Measurement Point (feet)	84	84	84

Table 3d – Technical Data for proposed Future Carrier 2100 MHz LTE

FUTURE CARRIER	Sector 1	Sector 2	Sector 3
Antenna	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B
Antenna Centerline (feet)	90	90	90
Orientation (deg. TN)	20	130	230
ERP (Watts)	3250	3250	3250
Frequency (MHz)	2100	2100	2100
# Carriers	2	2	2
R/C Height Above Measurement Point (feet)	84	84	84

Table 3e – Technical Data for proposed Future Carrier 2300 MHz LTE

FUTURE CARRIER	Sector 1	Sector 2	Sector 3
Antenna	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B	CommScope NHH-65C-R2B
Antenna Centerline (feet)	90	90	90
Orientation (deg. TN)	20	130	230
ERP (Watts)	3250	3250	3250
Frequency (MHz)	2300	2300	2300
# Carriers	2	2	2
R/C Height Above Measurement Point (feet)	84	84	84

RF Exposure Prediction Methods

The FCC has established the following equation to calculate the cumulative power density in the far-field region.

$$S = \frac{(1.64)\times(0.64)\times NC \times ERP_{relative}}{\pi \times R^2}$$

$$R = \sqrt{V^2 + \Delta h^2}$$

$$ERP_{relative} = 10^{\left[\frac{10\times\log(ERP)+Pattern\,(\alpha)-MaxAntenna\ Gain}{10}\right]}$$

Where:

S = *Power Density*

NC = *The number of channel/carriers assigned to the antenna/site.*

***ERP**$_{relative}$* = *Effective maximum Radiated power taking relative gain and main-beam calculations into account.*

***R* =** *The radial distance from antenna to mobile unit.*

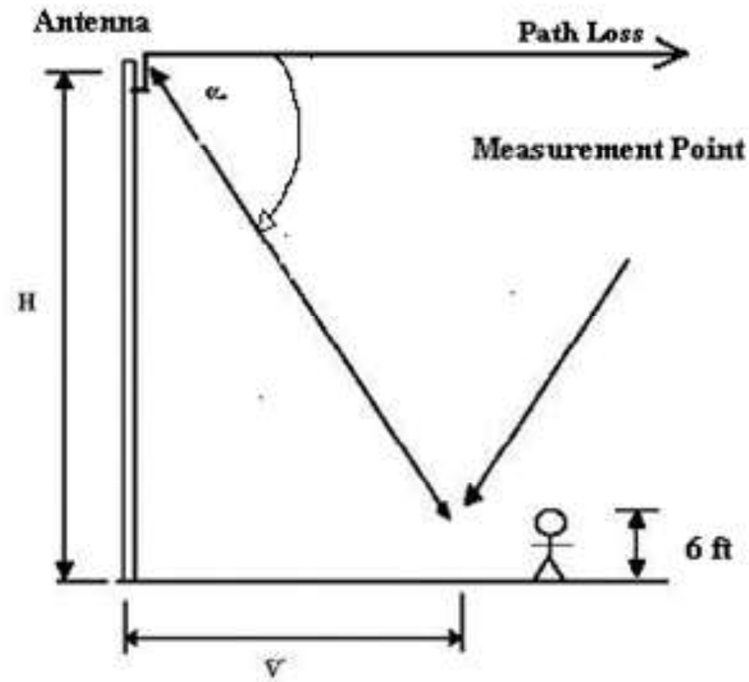
V = *The horizontal distance between site and mobile unit.*

***Δh* =** *The antenna height minus the measurement point.*

α = *The angle between the main beam of the antenna and any point of reference away from the building.*

***Pattern (α)* =** *The vertical antenna gain at the specified angle α.*

max antenna gain = *The antenna gain in dBd.*



Calculations were performed using the techniques and procedures outlined in the FCC OET Bulletin No. 65 with particular emphasis on the pattern of antennas and the number of channels per sector.

Federal Regulations

The licensee planning to operate on the existing tower falls under the jurisdiction of the FCC. Under the authority granted by the Telecommunications Act of 1996 (and stated in Title 47 CFR, Part 1, Section 1307 b), the FCC has mandated that all FCC licensees must be in compliance with RF Emissions guidelines, as defined in OET Bulletin 65, no later than September 1, 2000.

Additionally, as of 1997, the FCC had already made compliance with OET Bulletin 65, a prerequisite for new Common Carrier station authorization. Applicable standards for this analysis will be discussed below.

State & Local Regulations

The Telecommunications Act of 1996 is the applicable Federal statute in regards to the consideration of environmental effects of RF Emissions during the siting process for wireless facilities. In regards to Common Carrier radio service, the Telecommunications Act of 1996 states the following:

> "No state or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that such facilities comply with the Commission's regulations concerning such emissions."

Applicable Standards

"The FCC adopted limits for Maximum Permissible Exposure (MPE) are generally based on recommended exposure guidelines published by the National Council on Radiation Protection and Measurements (NCRP) in 'Biological Effects and exposure Criteria for Radiofrequency Electromagnetic Fields,' NCRP Report No. 86, Sections 17.4.1, 17.4.1.1, 17.4.2 and 17.4.3. Copyright NCRP, 1986, Bethesda, MD 20814.

In the frequency range from 100 MHz to 1500 MHz, exposure limits for power density are also generally based on the MPE limits found in Section 4.1 of, 'IEEE Standard for Safety Levels With Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz,' ANSI/IEEE C95.1-1992, Copyright 1992 by the IEEE, Inc., NY, NY 10017, and approved for use as an American National Standard by the American National Standards Institute (ANSI)." (Paraphrased from FCC OET Bulletin 65)

The FCC has adopted 2 different sets of emission standards. The application of each standard is generally based upon the awareness and training of those people exposed to the RF emissions in question.

An uncontrolled environment implies that the people exposed to the RF emissions either have no knowledge that active transmitters are present, or that they have not been properly trained to work safely around active transmitters.

A controlled environment by definition is an environment where the only people exposed to RF emissions from a site (above those background levels that occur naturally) are aware that they are working near active transmitters and have been fully trained in working safely around RF emissions. The uncontrolled emission standard is stricter than the controlled emission standard, as can be seen below in Tables A and B.

Table A – Limits for Occupational/Controlled Exposure

Frequency Range (MHz)	Power Density (mw/cm^2)	Averaging Time (minutes)
0.3 – 3	100 *	6
3 – 30	($900/f^2$) *	6
30 – 300	1	6
300 – 1500	f/300	6
1500 – 100000	5	6

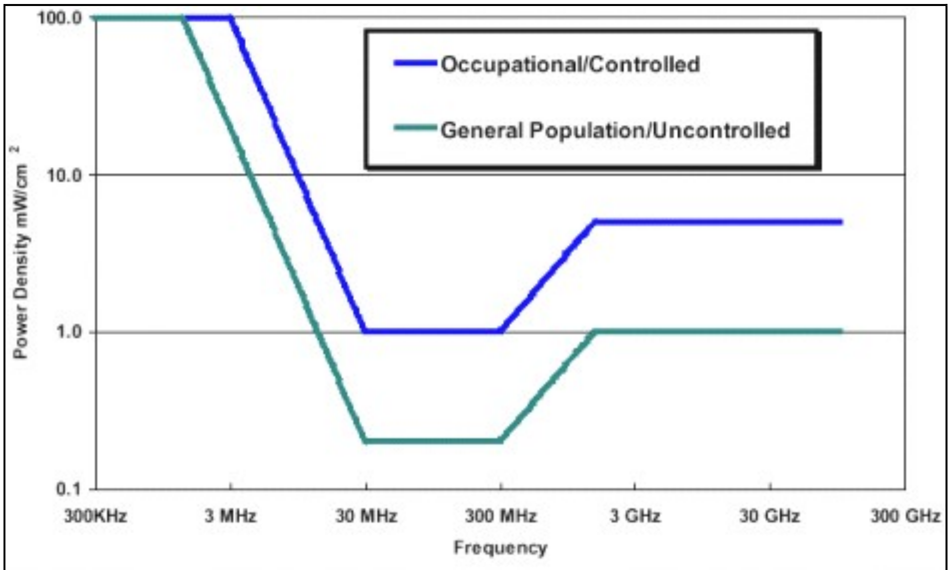
Where: f = Frequency in MHz
* indicates Plane-wave equivalent power density

Table B – Limits for General Population/Uncontrolled Exposure

Frequency Range (MHz)	Power Density (mw/cm^2)	Averaging Time (minutes)
0.3 - 1.34	100 *	30
1.34 – 30	($180/f^2$) *	30
30 – 300	0.2	30
300 – 1500	f/1500	30
1500 – 100000	1	30

Where: f = Frequency in MHz
* indicates Plane-wave equivalent power density

The figure below provides a graphical illustration of both the FCC's Occupational (Controlled) and General Population (Uncontrolled) MPE limits.



FCC Adopted Maximum Permissible Exposure Limits

CONCLUSIONS

Tables 4a-d and Table 5 (below) show the calculated maximum power density levels in the environment immediately surrounding the proposed tower at ground level. The maximum power density level is calculated at 9.047% of the FCC Public/Uncontrolled MPE limit, at 6 feet above ground level. The maximum power density occurs at ground level at distance of approximately 500 feet from the proposed lattice tower site. This power density level is well within the permitted FCC limits for general public exposure. From this analysis, the results show the Maximum Power Density predicted from the proposed antennas is significantly below the FCC limits for both the Controlled and Public/Uncontrolled environments. Please note that the power densities calculated for this analysis are a worst case example, as it has been assumed that all transmitters are constantly in continuous operation and provides for expansion channels that may not be deployed at this location.

Table 4a – Individual Predicted MPE Levels & Standards (Verizon)

	VERIZON @ 120 FT (700 MHZ)	VERIZON @ 120 FT (850 MHZ)	VERIZON @ 120 FT (1900 MHZ)	VERIZON @ 120 FT (2100 MHZ)	VERIZON @ 120 FT (3700 MHZ)
Max. Power Density (mw/cm^2)	**<0.001**	**0.0016**	**0.0082**	**0.0037**	**0.0292**
MPE Limit for Power Density in a Controlled Environment (mw/cm^2)	**2.3333**	**2.8333**	**5.0000**	**5.0000**	**5.0000**
% of MPE limit for Power Density in a Controlled Environment	**0.0395 %**	**0.0577 %**	**0.1634 %**	**0.0746 %**	**0.5840%**
MPE Limit for Power Density in an Uncontrolled Environment (mw/cm^2)	**0.4667**	**0.5667**	**1.00000**	**1.00000**	**1.0000**
% of MPE limit for Power Density in an Uncontrolled Environment	**0.1977 %**	**0.2886 %**	**0.8169 %**	**0.3728 %**	**2.9201%**

Table 4b – Individual Predicted MPE Levels & Standards Ulster VHF and Dish

	ULSTER VHF TX1 @86 FT (155.7525 MHZ)	ULSTER VHF TX1 @86 FT (151.1375 MHZ)	ULSTER VHF TX3 @151 FT (155.025 MHZ)	ULSTER VHF TX4 @146 FT (155.175 MHZ)	ULSTER VHF TX5 @146 FT (155.22 MHZ)	ULSTER MW DISH @185 FT (6400 MHZ)	ULSTER MW DISH @108 FT (6400 MHZ)
Max. Power Density (mw/cm^2)	**<0.001**	**<0.001**	**<0.001**	**<0.001**	**<0.001**	**<0.001**	**<0.001**
MPE Limit for Power Density in a Controlled Environment (mw/cm^2)	**1.0000**	**1.0000**	**1.0000**	**1.0000**	**1.0000**	**5.0000**	**5.0000**
% of MPE limit for Power Density in a Controlled Environment	**0.0298 %**	**0.0298 %**	**0.0068 %**	**0.0128 %**	**0.0128 %**	**<0.001 %**	**<0.001 %**
MPE Limit for Power Density in an Uncontrolled Environment (mw/cm^2)	**0.2000**	**0.2000**	**0.2000**	**0.2000**	**0.2000**	**1.0000**	**1.0000**
% of MPE limit for Power Density in an Uncontrolled Environment	**0.1490 %**	**0.1490 %**	**0.0341 %**	**0.0639 %**	**0.0639 %**	**<0.001 %**	**0.0012 %**

Table 4c – Individual Predicted MPE Levels & Standards Rosendale and Bloomington VHF

	ROSENDALE PD VHF @91 FT (155.49 MHZ)	**BLOOMINGTON FD VHF @91 FT (160.05 MHZ)**
Max. Power Density (mw/cm^2)	**<0.001**	**<0.001**
MPE Limit for Power Density in a Controlled Environment (mw/cm^2)	**1.0000**	**1.0000**
% of MPE limit for Power Density in a Controlled Environment	**0.0238 %**	**0.0223 %**
MPE Limit for Power Density in an Uncontrolled Environment (mw/cm^2)	**0.2000**	**0.2000**
% of MPE limit for Power Density in an Uncontrolled Environment	**0.1192 %**	**0.1117 %**

Table 4d – Individual Predicted MPE Levels & Standards (Future Carrier)

	FUTURE CARRIER @ 90 FT (750 MHZ)	FUTURE CARRIER @ 90 FT (800 MHZ)	FUTURE CARRIER @ 90 FT (1900 MHZ)	FUTURE CARRIER @ 90 FT (2100 MHZ)	FUTURE CARRIER @ 90 FT (2300 MHZ)
Max. Power Density (mw/cm^2)	**0.0017**	**0.0030**	**0.0150**	**0.0068**	**0.0068**
MPE Limit for Power Density in a Controlled Environment (mw/cm^2)	**2.5000**	**2.6667**	**5.0000**	**5.0000**	**5.0000**
% of MPE limit for Power Density in a Controlled Environment	**0.0665 %**	**0.1137 %**	**0.3008 %**	**0.1354 %**	**0.1354 %**
MPE Limit for Power Density in an Uncontrolled Environment (mw/cm^2)	**0.5000**	**0.5333**	**1.0000**	**1.0000**	**1.0000**
% of MPE limit for Power Density in an Uncontrolled Environment	**0.3326 %**	**0.5686 %**	**1.5038 %**	**0.6769%**	**0.6769%**

The % MPE limit for Power Density for the entire site is the total of the % of MPE limit for Power Density of each individual emitter on the tower. Table 5 (below) shows the aggregate values for the proposed antenna configurations on the site.

Table 5 - Aggregate MPE Levels and Percentages

STANDARD	Controlled Environment	Uncontrolled Environment
VERIZON @ 120FT (700MHZ)	0.0395 %	0.1977 %
VERIZON @ 120 FT (850 MHZ)	0.0577 %	0.2886%
VERIZON @ 120 FT (1900 MHZ)	0.1634 %	0.8169%
VERIZON @ 120 FT (2100 MHZ)	0.0746%	0.3728 %
VERIZON @ 120 FT (3700 MHZ)	0.5840%	2.9201 %
ULSTER VHF TX1 @86 FT (155.7525 MHZ)	0.0298 %	0.1490 %
ULSTER VHF TX1 @86 FT (151.1375 MHZ)	0.0298 %	0.1490 %
ULSTER VHF TX3 @151 FT (155.025 MHZ)	0.0068 %	0.0341 %
ULSTER VHF TX4 @146 FT (155.175 MHZ)	0.0128 %	0.0639 %
ULSTER VHF TX5 @146 FT (155.22 MHZ)	0.0128 %	0.0639 %
ULSTER MW DISH @185 FT (6400 MHZ)	<0.001 %	<0.001 %
ULSTER MW DISH @108 FT (6400 MHZ)	<0.001 %	0.0012 %
ROSENDALE PD VHF @91 FT (155.49 MHZ)	0.0238 %	0.1192 %
BLOOMINGTON FD VHF @91 FT (160.05 MHZ)	0.0223 %	0.1117 %
FUTURE CARRIER @ 90 FT (750 MHZ)	0.0665 %	0.3326 %
FUTURE CARRIER @ 90 FT (800 MHZ)	0.1137 %	0.5686 %
FUTURE CARRIER @ 90 FT (1900 MHZ)	0.3008 %	1.5038 %
FUTURE CARRIER @ 90 FT (2100 MHZ)	0.1354 %	0.6769 %
FUTURE CARRIER @ 90 FT (2300 MHZ)	0.1354 %	0.6769 %
TOTAL	1.809 %	9.047 %

CERTIFICATION

V-COMM, L.L.C. hereby certifies that the site studied in this analysis complies with FCC mandated RF Emission MPE requirements. V-COMM, L.L.C. also certifies that the above results are based on calculations made using FCC recommended methods, with industry standard assumptions and formulas. All results shown in this report have been reviewed and are accurate within reasonable levels of engineering accuracy.

V-COMM, L.L.C. shall not be held responsible for any inaccuracies in the data supplied by Tectonic Engineering, V-COMM, L.L.C. assumes that all transmitting equipment is operating within FCC Type Accepted specifications. A comprehensive field survey was not performed prior to the generation of this report. If questions arise regarding the calculations herein, V-COMM, L.L.C. recommends that a comprehensive field survey be performed to resolve any disputes.

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