SiteSafe™
AN INFRASERVICES PRODUCT

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T-Mobile

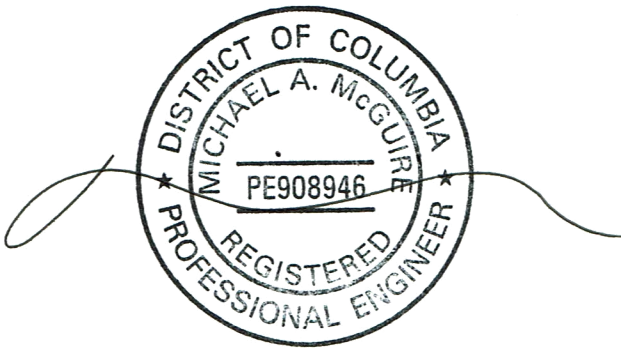
Site ID – 7WDC806A
Assessment Purpose – TMO Mod (mmWave)
Site Name – GSA VA Building
Site Compliance Report

810 Vermont Avenue NW
Washington, DC 20005

Latitude: N38-54-3.03
Longitude: W77-2-7.38
Structure Type: Rooftop

Report generated date: April 23, 2025
Report by: Nicholas Pagano
Customer Contact: Emily Nelms

T-Mobile's proposed modification will be compliant with the FCC Rules and Regulations, as described in OET Bulletin 65 upon completion of the remediation identified in Section 2.



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T-Mobile
GSA VA Building- 7WDC806A
Radio Frequency (RF) Site Compliance Report

810 Vermont Avenue NW, Washington, DC 20005

Table of Contents

1 Information

Original Report Date:	April 23, 2025
Total Report Revisions:	N/A
Report Revision Date:	N/A
Software Used:	RFMaster, Version 1.0091.28
Calculation Methodology:	Sula09
DOCUMENTS USED:	CD: 7WDC806A mmWAVE CD REV 3.pdf RFDS:7WDC806A_mmWave_7_Readyto BOM_Approved_2025-03-04 (002).pdf
POWERS USED:	Max RRH Powers
Compliance Statement:	T-Mobile's proposed modifications will be compliant with the FCC Rules and Regulations, as described in OET Bulletin 65, upon completion of the remediation identified in Section 2.

2 Site Compliance

2.1 Summary

The facility was evaluated for compliance with FCC rules and regulations using the data provided to SiteSafe™. For areas that may exceed the MPE limits for which RF signage/barriers are required for site compliance, the recommended mitigation is detailed in Section 2.2 as well as in the diagram(s) in Section 6

To reduce the risk of exposure and/or injury, SiteSafe™ recommends that access to the rooftop or areas associated with the antenna installation be restricted to authorized personnel who have undergone proper RF awareness safety training. Additionally, all signs and barriers should be obeyed at all times and any work that must be performed in close proximity to the antennas should be coordinated in advance with to ensure safe working conditions. Workers can call the T-Mobile NOC Number at 1-888-662-4662 for guidance.

2.2 Actions for Site Compliance

Based on common industry practice and our understanding of FCC and OSHA requirements, this section provides a statement of recommendations for site compliance. If required, RF alert signage recommendations have been proposed based on theoretical analysis of MPE levels. Where applicable, barriers can consist of locked doors, fencing, railing, rope, chain, paint striping or tape, combined with RF alert signage.

T-Mobile's proposed modifications will be compliant with the FCC Rules and Regulations, as described in OET Bulletin 65, and internal policy, upon completion of the following remediation:

Note: For Overall Compliance, access to the site/antennas (i.e., door(s), hatch(s), climbing point(s), etc.) must remain locked/restricted.

Note: All roof access points must be locked/restricted for the site to be in compliance.

Proposed Alpha Sector Location
(1) Caution sign(s) required behind T-Mobile antenna 1.

Proposed Gamma Sector Location
(2) Caution sign(s) required; Remove the (2) existing Notice signs.
Install a barrier that is 46 linear feet long, comprised of 2 segment(s) with (5) Caution sign(s) installed, facing the approach, as depicted in the site diagram.

Note: Ensure all existing signage/barriers documented in this report still exist on site unless otherwise indicated.

Note: Barriers are not required at Beta sector. The parapet wall is <39" and the areas exceeding the Occupational MPE limit are within 6' of the roof edge.

Note: Barriers were only recommended in areas predicted to exceed the Occupational MPE limit that are farther than 6' from the unprotected roof edge. All other exceeding areas are within 6' of the unprotected roof edge.

3 Technical Framework

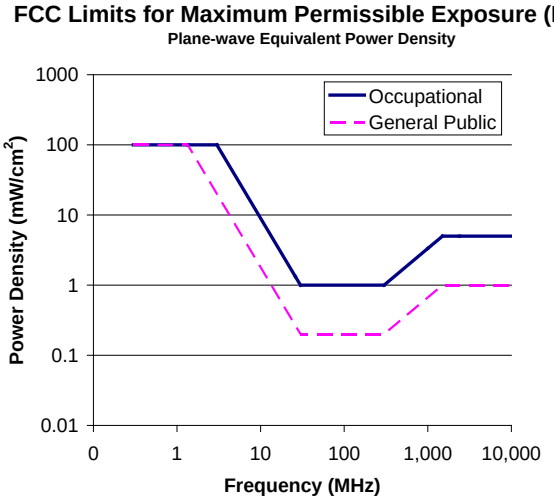
3.1 FCC Rules and Regulations

In 1996, the FCC adopted regulations for evaluating the effects of RF emissions in 47 CFR § 1.1307(b) and 1.1310. The guideline from the FCC Office of Engineering and Technology is Bulletin 65 (OET Bulletin 65), *Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields*, Edition 97-01, published August 1997. Since 1996, the FCC periodically reviews these rules and regulations as per its congressional mandate. The FCC has reviewed these rules and regulations beginning in 2019 and have finalized their review in May 2021 with the US Court of Appeals.

FCC regulations designate two separate tiers of exposure limits: Occupational (Controlled) and General Public (Uncontrolled). The FCC defines two sets of MPE limits for these groups. Occupational limits apply in situations in which persons are exposed as a consequence of their employment and where those persons have undergone proper RF awareness training, have been made fully aware of the potential for exposure, and can exercise control over their exposure. General Public limits, conversely, apply to accessible areas where workers or the general public may be exposed and have not undergone RF awareness training, may not be aware of the potential for exposure, and may not be able to exercise control over their exposure.

Areas are considered controlled when the environment is restricted or "controlled" in order to prevent access from members of the general public or untrained workers. Conversely, areas are considered uncontrolled when access is unrestricted or "uncontrolled" which allows access from members of the general public or untrained workers. A controlled environment can be evaluated with Occupational MPE limits whereas uncontrolled environments should always be evaluated with General Public MPE limits.

The MPE limits utilized in this analysis are outlined in the following diagram and table:



Limits for Occupational/Controlled Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2$, $\|H\|^2$ or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	($900/f^2$)*	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

Limits for General Population/Uncontrolled Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2$, $\|H\|^2$ or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f = frequency in MHz *Plane-wave equivalent power density

4 General Safety Recommendations

The following are *general recommendations* appropriate for any site with accessible areas in excess of 100% General Public MPE. These recommendations are not specific to this site. These are safety recommendations appropriate for typical site management, building management, and other tenant operations.

1) All individuals needing access to the main site or the area(s) indicated to be in excess of General Public MPE should wear a Personal Protective Monitor (PPM), successfully complete proper RF Safety Awareness training, and have and be trained in the use of appropriate personal protective equipment. Awareness training increases a worker's understanding of potential RF exposure scenarios. Awareness can be achieved in a number of ways (e.g. videos, formal classroom lecture or internet-based courses). SiteSafe™ strongly recommends the use of a PPM. Wearing a PPM will properly forewarn the individual prior to entering an RF exposure area that may approach or exceed the exposure limits.

2) Any maintenance personnel required to work immediately in front of antennas and/or in areas indicated as above 100% of the Occupational MPE limits should coordinate with the wireless operators to disable transmitters during their work activities.

3) Access restrictions to transmitting antenna locations is the primary element in a site safety plan. Examples of access restrictions are as follows:

   - Locked door or gate
   - Alarmed door
   - Locked ladder access
   - Restrictive barrier at antenna(s) (e.g., chain-link with posted RF signage)

4) All individuals needing access to the main site should be instructed to obey all posted signs at all times. RF signage plays an important role in properly warning a worker prior to entering into a potential RF exposure area.

5) Individuals should always assume all antennas are active. Due to the nature of telecommunications transmissions, an antenna transmits intermittently. Always assume an antenna is transmitting and never stop in front of an antenna. If someone must pass by an antenna, they should move through in a transient manner as quickly and safely as possible, thereby reducing any exposure to a minimum.

6) The site should be routinely inspected and this or a similar report updated with any changes to the RF environment including:

   - addition of new antennas that have been located at the site
   - removal of existing antennas that are no longer present at the site
   - addition of new frequency bands on any antenna systems
   - changes in the radiating power and/or number of RF emitters

7) Post the appropriate **NOTICE**, **CAUTION,** or **WARNING** signage at the main site access point(s) and other locations as required. Note: please refer to the mitigation

diagram(s) in Section 5 of this report for the locations of existing/ proposed RF signage and barriers and inform everyone who has access to this site that beyond posted signs there may be levels in excess of the limits prescribed by the FCC.

8) It is the responsibility of all licensees comprising the site to maintain ongoing compliance with FCC rules and regulations. Individual licensees that contribute less than 5% MPE to any area(s) out of compliance are not responsible for corrective actions in those areas.

9) Keep a copy of this report available for all persons who must access the site. They should read this report and be aware of the potential hazards with regards to RF and MPE limits.

Additional RF information is available at the following sites:
https://www.fcc.gov/general/radio-frequency-safety-0
https://www.fcc.gov/engineering-technology/electromagnetic-compatibility-division/radio-frequency-safety/faq/rf-safety

OSHA has additional information available at:
https://www.osha.gov/SLTC/radiofrequencyradiation/index.html

5 Antenna Inventory

The following antenna inventory was provided by the customer and was utilized to create the site model diagrams:

SECTOR	ANTENNA NUMBER	TX Freq (MHz)	Technology	Antenna Make and Model	Azimuth (Degrees)	Centerline Height Above Main/Reference Level (ft)
TMO Alpha	1	24000	5G	ERICSSON SON_AIR5322 TB 24GHz TMO	65	136
TMO Alpha	2	1900	LTE	ERICSSON SON_AIR1641B25_dITM9	65	151
TMO Alpha	2	2100	LTE	ERICSSON SON_AIR1641B66_dITM9	65	151
TMO Alpha	3	2500	5G	ERICSSON SON_AIR6449 B41 NR TB 2500 TMO	65	151
TMO Alpha	4	600	5G	RFS APXVAARR24_43-U-NA20	65	151
TMO Alpha	4	600	LTE	RFS APXVAARR24_43-U-NA20	65	151
TMO Alpha	4	700	LTE	RFS APXVAARR24_43-U-NA20	65	151
TMO Alpha	4	1900	5G	RFS APXVAARR24_43-U-NA20	65	151
TMO Alpha	4	1900	LTE	RFS APXVAARR24_43-U-NA20	65	151
TMO Alpha	4	1900	GSM	RFS APXVAARR24_43-U-NA20	65	151
TMO Beta	5	24000	5G	ERICSSON SON_AIR5322 TB 24GHz TMO	170	136
TMO Beta	6	1900	LTE	ERICSSON SON_AIR1641B25_dITM9	170	151
TMO Beta	6	2100	LTE	ERICSSON SON_AIR1641B66_dITM9	170	151
TMO Beta	7	2500	5G	ERICSSON SON_AIR6449 B41 NR TB 2500 TMO	170	151
TMO Beta	8	600	5G	RFS APXVAARR24_43-U-NA20	170	151
TMO Beta	8	600	LTE	RFS APXVAARR24_43-U-NA20	170	151
TMO Beta	8	700	LTE	RFS APXVAARR24_43-U-NA20	170	151
TMO Beta	8	1900	5G	RFS APXVAARR24_43-U-NA20	170	151

SECTOR	ANTENNA NUMBER	TX Freq (MHz)	Technology	Antenna Make and Model	Azimuth (Degrees)	Centerline Height Above Main/Reference Level (ft)
TMO Beta	8	1900	LTE	RFS APXVAARR24_43-U-NA20	170	151
TMO Beta	8	1900	GSM	RFS APXVAARR24_43-U-NA20	170	151
TMO Gamma	9	5150	LAA	ERICSSON 2205	270	151
TMO Gamma	10	1900	LTE	ERICSSON SON_AIR1641B25_dITM9	270	151
TMO Gamma	10	2100	LTE	ERICSSON SON_AIR1641B66_dITM9	270	151
TMO Gamma	11	2500	5G	ERICSSON SON_AIR6449 B41 NR TB 2500 TMO	270	151
TMO Gamma	12	600	5G	RFS APXVAARR24_43-U-NA20	270	151
TMO Gamma	12	600	LTE	RFS APXVAARR24_43-U-NA20	270	151
TMO Gamma	12	700	LTE	RFS APXVAARR24_43-U-NA20	270	151
TMO Gamma	12	1900	5G	RFS APXVAARR24_43-U-NA20	270	151
TMO Gamma	12	1900	LTE	RFS APXVAARR24_43-U-NA20	270	151
TMO Gamma	12	1900	GSM	RFS APXVAARR24_43-U-NA20	270	151
VZW Alpha	13	850	CDMA	CSS X7C-865	4	146
VZW Alpha	14	850	LTE	CSS X7C-FRO-840-V	4	146
VZW Alpha	14	700	LTE	CSS X7C-FRO-840-V	4	146
VZW Alpha	15	850	LTE	AMPHENOL HTXC033S19x000	4	146
VZW Alpha	15	700	LTE	AMPHENOL HTXC033S19x000	4	146
VZW Alpha	16	1900	LTE	COMMSCOPE HBXX-3817TB-VTM PANn27	4	146
VZW Alpha	16	2100	LTE	COMMSCOPE HBXX-3817TB-VTM PANn27	4	146
VZW Alpha	16	1900	LTE	COMMSCOPE HBXX-3817TB-VTM PANp27	4	146
VZW Alpha	16	2100	LTE	COMMSCOPE HBXX-3817TB-VTM PANp27	4	146

SECTOR	ANTENNA NUMBER	TX Freq (MHz)	Technology	Antenna Make and Model	Azimuth (Degrees)	Centerline Height Above Main/Reference Level (ft)
VZW Alpha	17	1900	LTE	COMMSCOPE HBXX-3817TB-VTM PANn27	4	146
VZW Alpha	17	2100	LTE	COMMSCOPE HBXX-3817TB-VTM PANn27	4	146
VZW Alpha	17	1900	LTE	COMMSCOPE HBXX-3817TB-VTM PANp27	4	146
VZW Alpha	17	2100	LTE	COMMSCOPE HBXX-3817TB-VTM PANp27	4	146
VZW Beta	18	850	CDMA	CSS X7C-865	124	146
VZW Beta	19	850	LTE	CSS X7C-FRO-840-V	124	146
VZW Beta	19	700	LTE	CSS X7C-FRO-840-V	124	146
VZW Beta	20	850	LTE	AMPHENOL HTXC033S19x000	124	146
VZW Beta	20	700	LTE	AMPHENOL HTXC033S19x000	124	146
VZW Beta	21	1900	LTE	COMMSCOPE HBXX-3817TB-VTM PANn27	124	147
VZW Beta	21	2100	LTE	COMMSCOPE HBXX-3817TB-VTM PANn27	124	147
VZW Beta	21	1900	LTE	COMMSCOPE HBXX-3817TB-VTM PANp27	124	147
VZW Beta	21	2100	LTE	COMMSCOPE HBXX-3817TB-VTM PANp27	124	147
VZW Beta	22	1900	LTE	COMMSCOPE HBXX-3817TB-VTM PANn27	124	147
VZW Beta	22	2100	LTE	COMMSCOPE HBXX-3817TB-VTM PANn27	124	147
VZW Beta	22	1900	LTE	COMMSCOPE HBXX-3817TB-VTM PANp27	124	147
VZW Beta	22	2100	LTE	COMMSCOPE HBXX-3817TB-VTM PANp27	124	147
VZW Gamma	23	850	CDMA	CSS X7C-865	180	146
VZW Gamma	24	850	LTE	CSS X7C-FRO-840-V	244	146
VZW Gamma	24	700	LTE	CSS X7C-FRO-840-V	244	146
VZW Gamma	25	850	LTE	AMPHENOL HTXC033S19x000	244	146

SECTOR	ANTENNA NUMBER	TX Freq (MHz)	Technology	Antenna Make and Model	Azimuth (Degrees)	Centerline Height Above Main/Reference Level (ft)
VZW Gamma	25	700	LTE	AMPHENOL HTXC033S19x000	244	146
VZW Gamma	26	1900	LTE	COMMSCOPE HBXX-3817TB-VTM PANn27	244	147
VZW Gamma	26	2100	LTE	COMMSCOPE HBXX-3817TB-VTM PANn27	244	147
VZW Gamma	26	1900	LTE	COMMSCOPE HBXX-3817TB-VTM PANp27	244	147
VZW Gamma	26	2100	LTE	COMMSCOPE HBXX-3817TB-VTM PANp27	244	147
VZW Gamma	27	1900	LTE	COMMSCOPE HBXX-3817TB-VTM PANn27	244	147
VZW Gamma	27	2100	LTE	COMMSCOPE HBXX-3817TB-VTM PANn27	244	147
VZW Gamma	27	1900	LTE	COMMSCOPE HBXX-3817TB-VTM PANp27	244	147
VZW Gamma	27	2100	LTE	COMMSCOPE HBXX-3817TB-VTM PANp27	244	147
UNKNOWN Alpha	28	150		GENERIC OMNI 8FT	0	179
UNKNOWN Alpha	29	150		GENERIC OMNI 8FT	0	169
UNKNOWN Alpha	30	850		GENERIC OMNI 3FT	0	160
UNKNOWN Alpha	31	150		GENERIC OMNI 8FT	0	160
UNKNOWN Alpha	32	150		GENERIC OMNI 8FT	0	160
UNKNOWN Alpha	33	23000		GENERIC MICROWAVE 1FT	25	165
UNKNOWN Alpha	34	18000		GENERIC MICROWAVE 2FT	180	162
UNKNOWN Alpha	35	5200		GENERIC PANEL 2FT	25	155
UNKNOWN Alpha	36	850		GENERIC OMNI 5FT	0	162

Note: The centerline height indicates antenna height above the **ground level (AGL)** unless otherwise indicated.

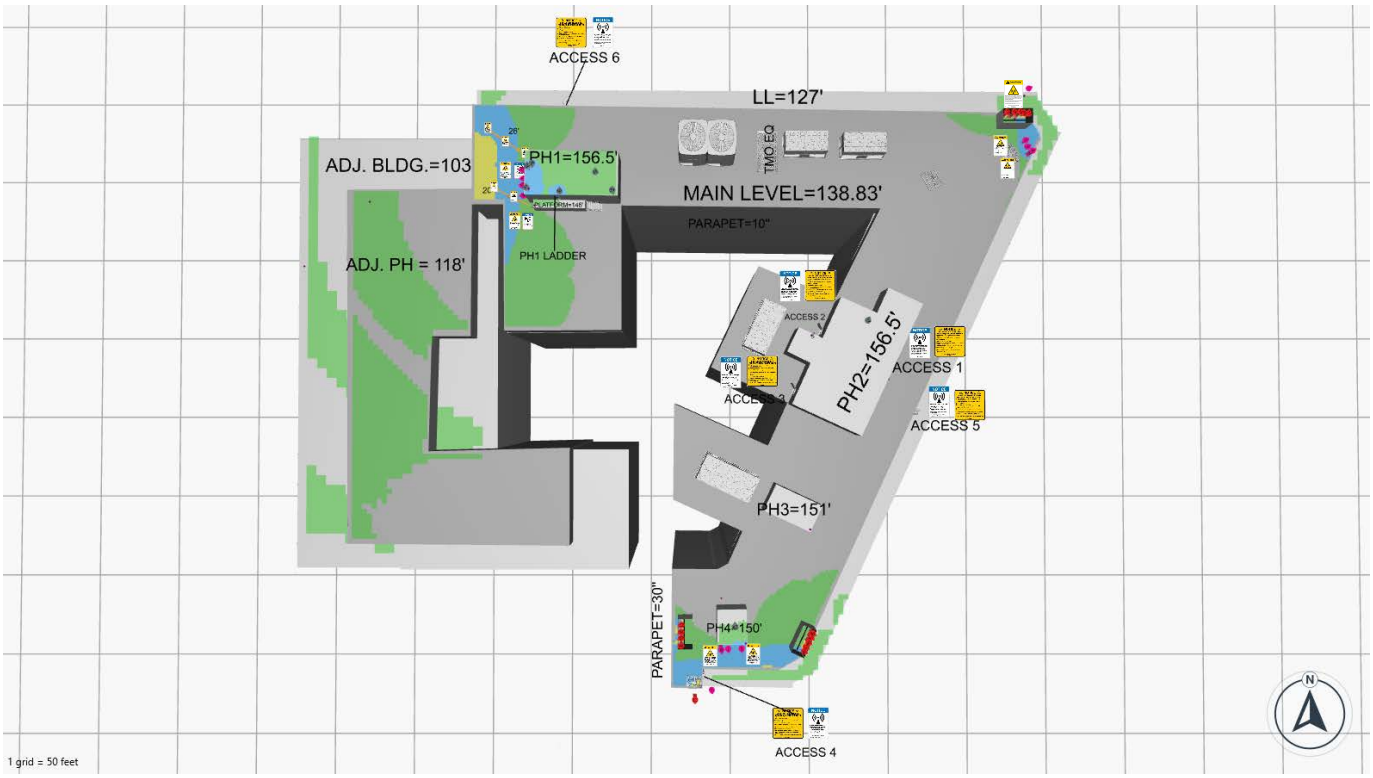
Note: Each row with the same number in the Ant Number column references the same physical antenna as an antenna may operate in multiple frequency bands.

Note: Antenna #1 is proposed.

6 RF Exposure Diagram

The following diagrams display the predictive RF exposure at the facility as well as the existing and/or proposed mitigation required for site compliance. If applicable, measurement locations are also displayed. See Appendix C for further explanation of the colors shown on the RF exposure diagram.

Composite View



Legend

Study Zone	Elev. (ft)	Type	Exposure Profile	Max MPE	Att	Carriers
Main Level	138.9	Floor	2D Sula9 GP 1.0 res	2994.82%	0.00	TMO, VZW,...
Platform	146.0	Floor	2D Sula9 GP 1.0 res	62.33%	0.00	TMO, VZW,...
PH1	156.6	Floor	2D Sula9 GP 1.0 res	166.63%	0.00	TMO, VZW,...
PH2	156.6	Floor	2D Sula9 GP 1.0 res	7.77%	0.00	TMO, VZW,...
PH3	151.1	Floor	2D Sula9 GP 1.0 res	0.55%	0.00	TMO, VZW,...
PH4	150.1	Floor	2D Sula9 GP 1.0 res	224.72%	0.00	TMO, VZW,...
Ground	0.0	Floor	2D Sula9 GP 5.0 res	0.24%	0.00	TMO, VZW,...
LL	127.1	Floor	2D Sula9 GP 2.5 res	133.80%	0.00	TMO, VZW,...
Adjacent Building	103.1	Floor	2D Sula9 GP 5.0 res	37.00%	0.00	TMO, VZW,...
Adjacent PH	118.1	Floor	2D Sula9 GP 2.5 res	87.99%	0.00	TMO, VZW,...

5%-100%	100%-500%	500%-5000%	5000%+

Exposure Profile Name	Model	Exposure Area	Standard	Resolution	RCF
2D Sula9 GP 1.0 res	Sula 9	Spatial Avg. (6 ft)	FCC General Public	1.0 ft3	1.0
2D Sula9 GP 5.0 res	Sula 9	Spatial Avg. (6 ft)	FCC General Public	5	1.0
2D Sula9 GP 2.5 res	Sula 9	Spatial Avg. (6 ft)	FCC General Public	2.5 ft3	1.0

TMO **VZW** **UNKNOWN**

Mitigation Existing Proposed Installed To Remove **Max MPE**

Grid Size: 50.00 feet

Floor = Elevation +6' | Mid-Level = Elevation +/- 3'

T-Mobile Contribution View

Legend

Study Zone	Elev. (ft)	Type	Exposure Profile	Max MPE	Att	Carriers
Main Level	138.9	Floor	2D Sula9 GP 1.0 res	893.81%	0.00	TMO
Platform	146.0	Floor	2D Sula9 GP 1.0 res	61.39%	0.00	TMO
PH1	156.6	Floor	2D Sula9 GP 1.0 res	3.93%	0.00	TMO
PH2	156.6	Floor	2D Sula9 GP 1.0 res	0.05%	0.00	TMO
PH3	151.1	Floor	2D Sula9 GP 1.0 res	0.43%	0.00	TMO
PH4	150.1	Floor	2D Sula9 GP 1.0 res	224.54%	0.00	TMO
Ground	0.0	Floor	2D Sula9 GP 5.0 res	0.24%	0.00	TMO
LL	127.1	Floor	2D Sula9 GP 2.5 res	128.19%	0.00	TMO
Adjacent Building	103.1	Floor	2D Sula9 GP 5.0 res	37.00%	0.00	TMO
Adjacent PH	118.1	Floor	2D Sula9 GP 2.5 res	87.98%	0.00	TMO

5%-100%	100%-500%	500%-5000%	5000%+

Exposure Profile Name	Model	Exposure Area	Standard	Resolution	RCF
2D Sula9 GP 1.0 res	Sula 9	Spatial Avg. (6 ft)	FCC General Public	1.0 ft3	1.0
2D Sula9 GP 5.0 res	Sula 9	Spatial Avg. (6 ft)	FCC General Public	5	1.0
2D Sula9 GP 2.5 res	Sula 9	Spatial Avg. (6 ft)	FCC General Public	2.5 ft3	1.0

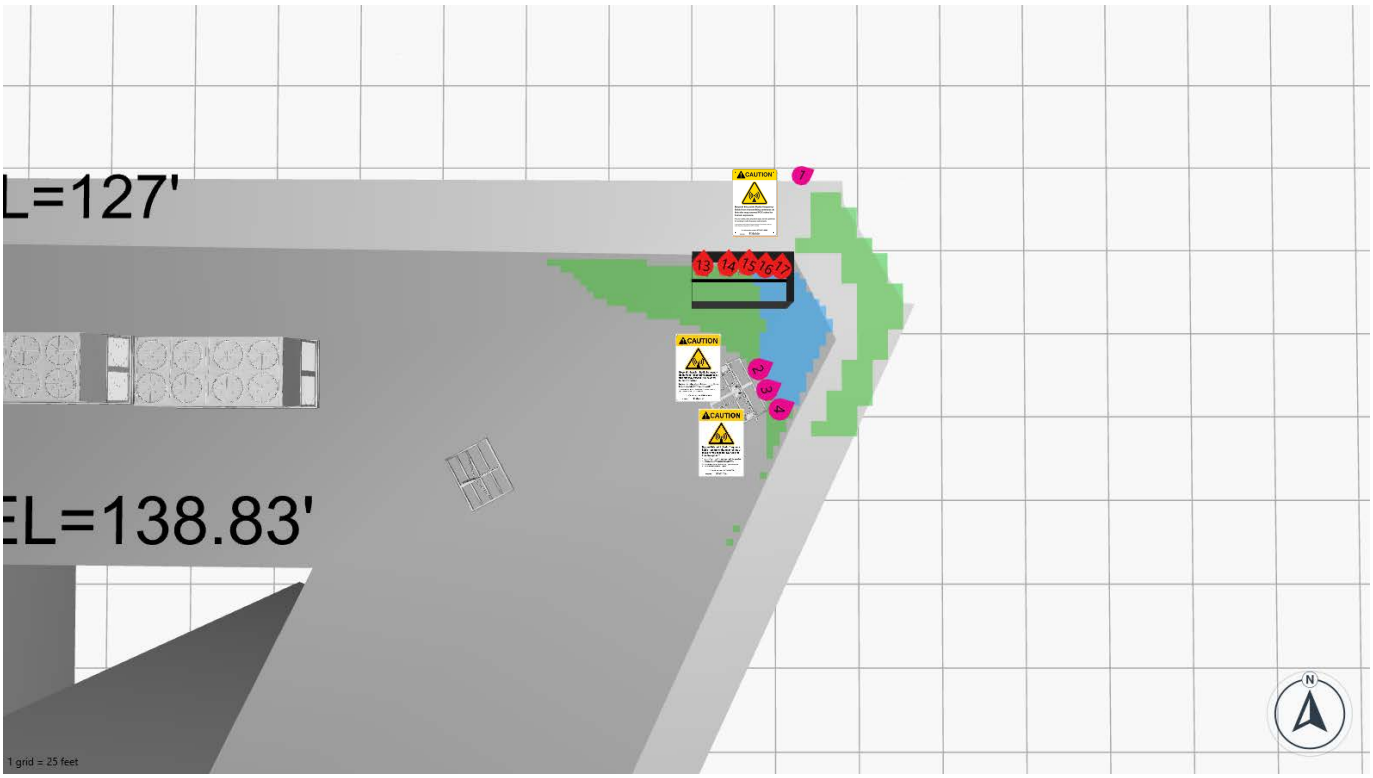
TMO VZW UNKNOWN

Mitigation Existing Proposed Installed To Remove Max MPE

Grid Size: 50.00 feet

Floor = Elevation +6' | Mid-Level = Elevation +/- 3'

Detailed T-Mobile Contribution View of Alpha



Legend

Study Zone	Elev. (ft)	Type	Exposure Profile	Max MPE	Att	Carriers
Main Level	138.9	Floor	2D Sula9 GP 1.0 res	893.81%	0.00	TMO
Platform	146.0	Floor	2D Sula9 GP 1.0 res	61.39%	0.00	TMO
PH1	156.6	Floor	2D Sula9 GP 1.0 res	3.93%	0.00	TMO
PH2	156.6	Floor	2D Sula9 GP 1.0 res	0.05%	0.00	TMO
PH3	151.1	Floor	2D Sula9 GP 1.0 res	0.43%	0.00	TMO
PH4	150.1	Floor	2D Sula9 GP 1.0 res	224.54%	0.00	TMO
Ground	0.0	Floor	2D Sula9 GP 5.0 res	0.24%	0.00	TMO
LL	127.1	Floor	2D Sula9 GP 2.5 res	128.19%	0.00	TMO

5%-100%	100%-500%	500%-5000%	5000%+

Exposure Profile Name	Model	Exposure Area	Standard	Resolution	RCF
2D Sula9 GP 1.0 res	Sula 9	Spatial Avg. (6 ft)	FCC General Public	1.0 ft3	1.0
2D Sula9 GP 5.0 res	Sula 9	Spatial Avg. (6 ft)	FCC General Public	5	1.0
2D Sula9 GP 2.5 res	Sula 9	Spatial Avg. (6 ft)	FCC General Public	2.5 ft3	1.0

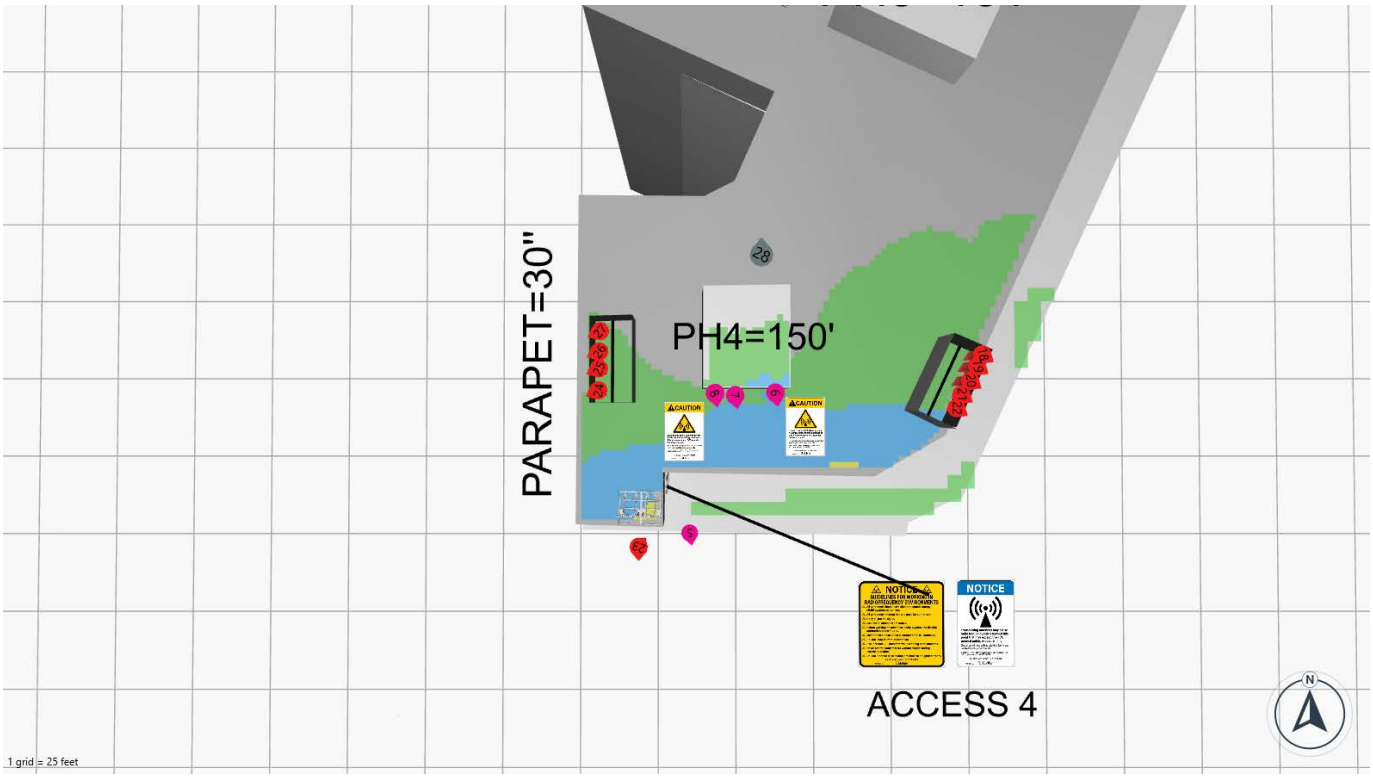
TMO VZW UNKNOWN

Mitigation Existing Proposed Installed To Remove Max MPE

Grid Size: 25.00 feet

Floor = Elevation +6' | Mid-Level = Elevation +/- 3'

Detailed T-Mobile Contribution View of Beta



Legend

Study Zone	Elev. (ft)	Type	Exposure Profile	Max MPE	Att	Carriers
Main Level	138.9	Floor	2D Sula9 GP 1.0 res	893.81%	0.00	TMO
Platform	146.0	Floor	2D Sula9 GP 1.0 res	61.39%	0.00	TMO
PH1	156.6	Floor	2D Sula9 GP 1.0 res	3.93%	0.00	TMO
PH2	156.6	Floor	2D Sula9 GP 1.0 res	0.05%	0.00	TMO
PH3	151.1	Floor	2D Sula9 GP 1.0 res	0.43%	0.00	TMO
PH4	150.1	Floor	2D Sula9 GP 1.0 res	224.54%	0.00	TMO
Ground	0.0	Floor	2D Sula9 GP 5.0 res	0.24%	0.00	TMO
LL	127.1	Floor	2D Sula9 GP 2.5 res	128.19%	0.00	TMO

5%-100%	100%-500%	500%-5000%	5000%+

Exposure Profile Name	Model	Exposure Area	Standard	Resolution	RCF
2D Sula9 GP 1.0 res	Sula 9	Spatial Avg. (6 ft)	FCC General Public	1.0 ft3	1.0
2D Sula9 GP 5.0 res	Sula 9	Spatial Avg. (6 ft)	FCC General Public	5	1.0
2D Sula9 GP 2.5 res	Sula 9	Spatial Avg. (6 ft)	FCC General Public	2.5 ft3	1.0

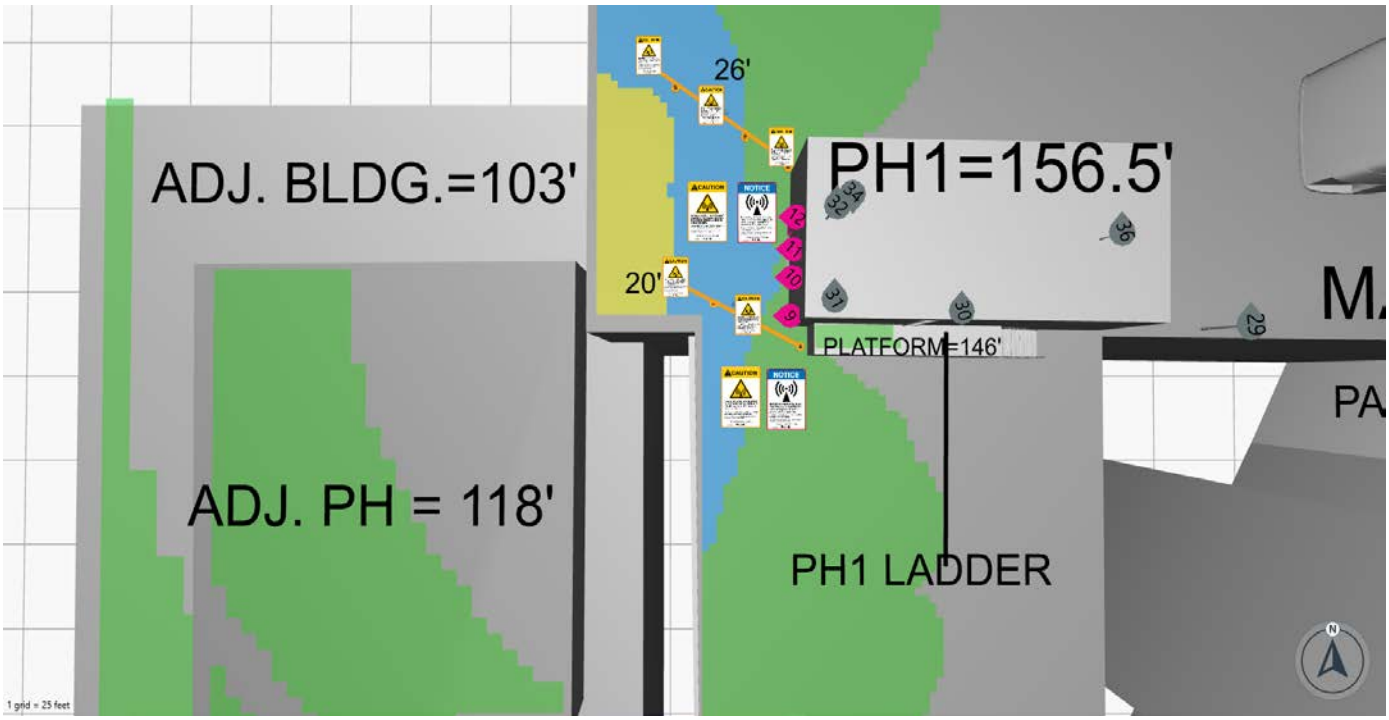
TMO VZW UNKNOWN

Mitigation Existing Proposed Installed To Remove Max MPE

Grid Size: 25.00 feet

Floor = Elevation +6' | Mid-Level = Elevation +/- 3'

Detailed T-Mobile Contribution View of Gamma



Legend

Study Zone	Elev. (ft)	Type	Exposure Profile	Max MPE	Att	Carriers
Main Level	138.9	Floor	2D Sula9 GP 1.0 res	893.81%	0.00	TMO
Platform	146.0	Floor	2D Sula9 GP 1.0 res	61.39%	0.00	TMO
PH1	156.6	Floor	2D Sula9 GP 1.0 res	3.93%	0.00	TMO
PH2	156.6	Floor	2D Sula9 GP 1.0 res	0.05%	0.00	TMO
PH3	151.1	Floor	2D Sula9 GP 1.0 res	0.43%	0.00	TMO
PH4	150.1	Floor	2D Sula9 GP 1.0 res	224.54%	0.00	TMO
Ground	0.0	Floor	2D Sula9 GP 5.0 res	0.24%	0.00	TMO
LL	127.1	Floor	2D Sula9 GP 2.5 res	128.19%	0.00	TMO
Adjacent Building	103.1	Floor	2D Sula9 GP 5.0 res	37.00%	0.00	TMO
Adjacent PH	118.1	Floor	2D Sula9 GP 2.5 res	87.98%	0.00	TMO

5%-100%	100%-500%	500%-5000%	5000%+

Exposure Profile Name	Model	Exposure Area	Standard	Resolution	RCF
2D Sula9 GP 1.0 res	Sula 9	Spatial Avg. (6 ft)	FCC General Public	1.0 ft3	1.0
2D Sula9 GP 5.0 res	Sula 9	Spatial Avg. (6 ft)	FCC General Public	5	1.0
2D Sula9 GP 2.5 res	Sula 9	Spatial Avg. (6 ft)	FCC General Public	2.5 ft3	1.0

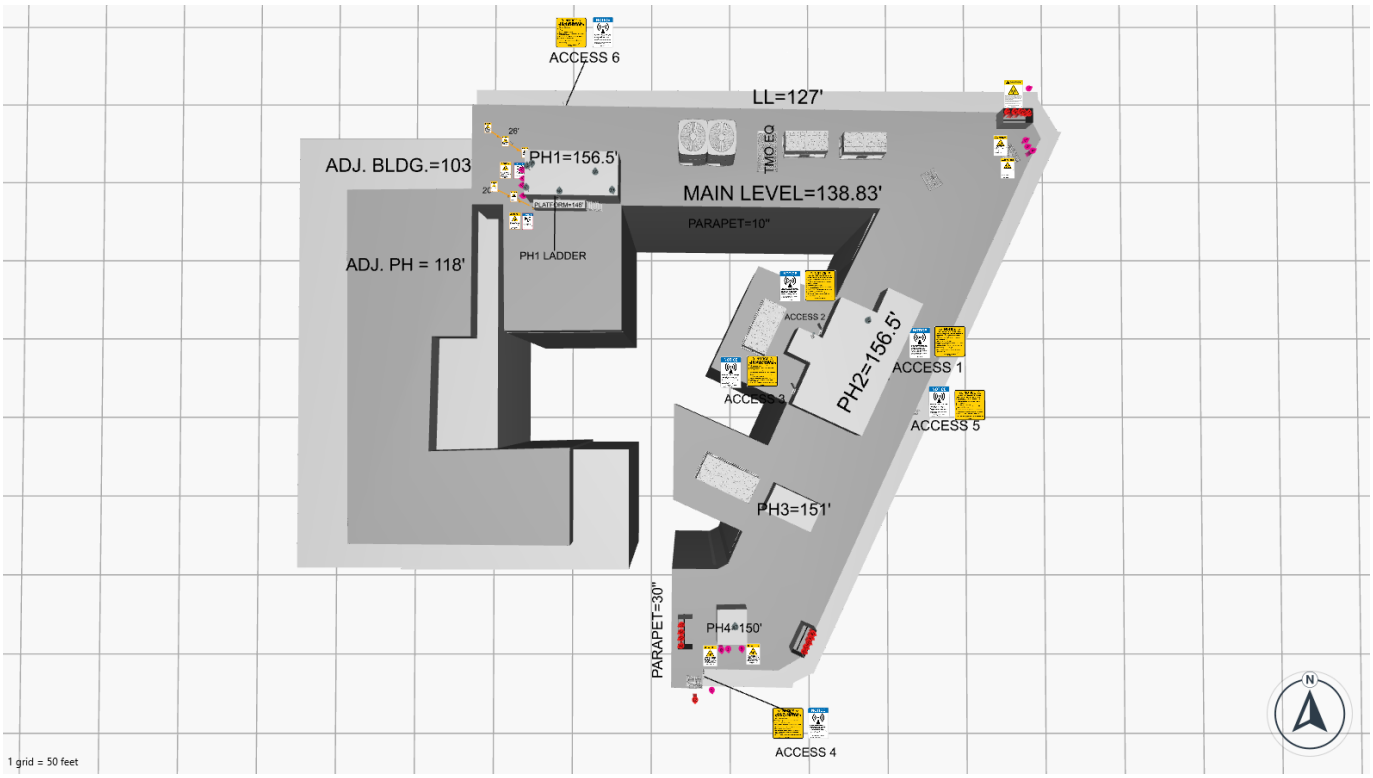
TMO VZW UNKNOWN

Mitigation Existing Proposed Installed To Remove Max MPE

Grid Size: 25.00 feet

Floor = Elevation +6' | Mid-Level = Elevation +/- 3'

Signage Diagram



Legend

Exposure Profile Name	Model	Exposure Area	Standard	Resolution	RCF
TMO	VZW		UNKNOWN		

Mitigation	Existing	Proposed	Installed	To Remove	Max MPE

Grid Size: 50.00 feet

Floor = Elevation +6' | Mid-Level = Elevation +/- 3'

7 Engineer Certification

The professional engineer whose seal appears on the cover of this document hereby certifies and affirms:

That I, Michael A. McGuire, P.E., am currently and actively licensed to provide (in this state/jurisdiction as indicated within the professional electrical engineering seal on the cover of this document) professional electrical engineering services, as an employee of Hurricane Hill Development Company, PLLC, a duly authorized/registered engineering firm (in this state, as applicable) on behalf of Site Safe, LLC; and

That I am thoroughly familiar with the Rules and Regulations of the Federal Communications Commission (FCC) as well as the regulations of the Occupational Safety and Health Administration (OSHA), both in general and specifically as they apply to the FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields; and

That I have thoroughly reviewed this Site Compliance Report and believe it to be true and accurate to the best of my knowledge as assembled by and attested to by Nicholas Pagano.

April 23, 2025

Appendix A - Definitions

5% Rule – The rules adopted by the FCC specify that, in general, at multiple transmitter sites actions necessary to bring the area into compliance with the guidelines are the shared responsibility of all licensees whose transmitters produce field strengths or power density levels at the area in question in excess of 5% of the exposure limits. In other words, any wireless operator that contributes 5% or greater of the MPE limit in an area that is identified to be greater than 100% of the MPE limit is responsible for taking corrective actions to bring the site into compliance.

Compliance – The determination of whether a site complies with FCC standards with regards to Human Exposure to Radio Frequency Electromagnetic Fields from transmitting antennas.

Decibel (dB) – A unit for measuring power or strength of a signal.

Duty Cycle – The percent of pulse duration to the pulse period of a periodic pulse train. Also, may be a measure of the temporal transmission characteristic of an intermittently transmitting RF source such as a paging antenna by dividing average transmission duration by the average period for transmission. A duty cycle of 100% corresponds to continuous operation.

Effective (or Equivalent) Isotropic Radiated Power (EIRP) – The product of the power supplied to the antenna and the antenna gain in a given direction relative to an isotropic antenna.

Effective Radiated Power (ERP) – The product of the power supplied to the antenna and the antenna gain in a given direction relative to a half-wave dipole antenna.

Gain (of an antenna) – The ratio, usually expressed in decibels, of the power required at the input of a loss-free reference antenna to the power supplied to the input of the given antenna to produce, in a given direction, the same field strength or the same power density at the same distance. When not specified otherwise, the gain refers to the direction of maximum radiation. Gain may be considered for a specified polarization. Gain may be referenced to an isotropic antenna (dBi) or a half-wave dipole (dBd) antenna.

General Population/Uncontrolled Environment – Defined by the FCC as an area where RF exposure may occur to persons who are *unaware* of the potential for exposure and who have no control over their exposure. General Population is also referenced as General Public.

Generic Antenna – For the purposes of this report, the use of "Generic" as an antenna model means the antenna information was not provided and could not be obtained while on site. In the event of unknown information, Sitesafe™ will use its industry specific knowledge of antenna models to select a worst-case scenario antenna to model the site.

Isotropic Antenna – An antenna that is completely non-directional. In other words, an antenna that radiates energy equally in all directions.

Maximum Measurement – This measurement represents the single largest measurement recorded when performing a spatial average measurement.

Maximum Permissible Exposure (MPE) – The rms and peak electric and magnetic field strength, their squares, or the plane-wave equivalent power densities associated with these fields to which a person may be exposed without harmful effect and with acceptable safety factor.

Occupational/Controlled Environment – Defined by the FCC as an area where RF exposure may occur to persons who are **aware** of the potential for exposure as a condition of employment or specific activity and can exercise control over their exposure.

OET Bulletin 65 – Technical guideline developed by the FCC's Office of Engineering and Technology to determine the impact of RF exposure on humans. The guideline was published in August 1997.

OSHA (Occupational Safety and Health Administration) – Under the Occupational Safety and Health Act of 1970, employers are responsible for providing a safe and healthy workplace for their employees. OSHA's role is to promote the safety and health of America's working men and women by setting and enforcing standards; providing training, outreach and education; establishing partnerships; and encouraging continual process improvement in workplace safety and health. For more information, visit www.osha.gov.

Radio Frequency Exposure or Electromagnetic Fields – Electromagnetic waves that are propagated from antennas through space.

Spatial Average Measurement – A technique used to average a minimum of ten (10) measurements taken in a ten (10) second interval from zero (0) to six (6) feet. This measurement is intended to model the average energy a 6-foot tall human body will absorb while present in an electromagnetic field of energy.

Transmitter Power Output (TPO) – The radio frequency output power of a transmitter's final radio frequency stage as measured at the output terminal while connected to a load.

Appendix B – Statement of Limiting Conditions

SiteSafe™ will not be responsible for matters of a legal nature that affect the site or property.

Due to the complexity of some wireless sites, Sitesafe performed this analysis and created this report utilizing best industry practices and due diligence. SiteSafe™ cannot be held accountable or responsible for anomalies or discrepancies due to actual site conditions (i.e., mislabeling of antennas or equipment, inaccessible cable runs, inaccessible antennas or equipment, etc.) or information or data supplied by T-Mobile, the site manager, or their affiliates, subcontractors or assigns.

SiteSafe™ has provided computer generated model(s) in this Site Compliance Report to show approximate dimensions of the site, and the model is included to assist the reader of the compliance report to visualize the site area, and to provide supporting documentation for SiteSafe™'s recommendations.

SiteSafe™ may note in the Site Compliance Report any adverse physical conditions, such as needed repairs, observed during the survey of the subject property or that SiteSafe™ became aware of during the normal research involved in performing this survey. SiteSafe™ will not be responsible for any such conditions that do exist or for any engineering or testing that might be required to discover whether such conditions exist. Because SiteSafe™ is not an expert in the field of mechanical engineering or building maintenance, the Site Compliance Report must not be considered a structural or physical engineering report.

SiteSafe™ obtained information used in this Site Compliance Report from sources that SiteSafe™ considers reliable and believes them to be true and correct. SiteSafe™ does not assume any responsibility for the accuracy of such items that were furnished by other parties. When conflicts in information occur between data provided by a second party and physical data collected by SiteSafe™, the physical data will be used.

Appendix C – RF Exposure Diagram Color Coding

The five color levels identified in this analysis can be interpreted in the following manner:

- Gray represents areas predicted to be at 5% or less of the General Public MPE limits. The general public and trained workers can access these areas with no restrictions.
- Green represents areas predicted to be between 5% and 100% of the General Public MPE limits. The general public and workers can access these areas with no restrictions.
- Blue represents areas predicted to be between 100% and 500% of the General Public MPE limits. The general public should be restricted from accessing these areas. Workers can access these areas assuming they have basic understanding of EME awareness and RF safety procedures and understand how to limit their exposure.
- Yellow represents areas predicted to be between 500% and 5000% of the General Public MPE limits. The General Public should be restricted from accessing these areas. Workers can access these areas assuming they have basic understanding of EME awareness and RF safety procedures and understand how to limit their exposure. Transmitter power reduction and/or time-averaging may be required.
- Red represents areas predicted to be greater than 5000% of the General Public MPE limits. The General Public should be restricted from accessing these areas. These areas are not safe for workers to be in for prolonged periods of time. Special procedures must be adhered to, such as lockout/tagout or transmitter power reduction, to minimize worker exposure to EME.

Keep a copy of this report available for all persons who must access the site. They should read this report and be aware of the potential hazards with regards to RF and MPE limits.