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REPLY TO:

May 8, 2025

Mayor Pugh and Members of the Village Board
Village of Croton-on-Hudson
1 Van Wyck Street
Croton-on-Hudson, New York 10520
Attn: Village Clerk

RE: NY - Croton-On-Hudson
New York SMSA Limited Partnership d/b/a Verizon Wireless
Special Permit Review in connection with the Existing Telecommunications Facility
at 26 Veteran's Plaza, Village of Croton-On-Hudson, New York

Dear Hon. Mayor Pugh and Members of the Board of Trustees:

We are the attorneys for New York SMSA Limited Partnership d/b/a Verizon Wireless ("Verizon Wireless") in connection with its existing telecommunications facility ("Facility") at the above referenced property ("Property"). The Facility consists of antennas collocated on the existing telecommunications tower ("Tower") at the Property, with related equipment at the base thereof.

In accordance with Condition #1 of the attached Resolution, dated June 1, 2020, and Section 206-5.N of the Village of Croton on Hudson Village Code, the Board may review Verizon Wireless' special permit at five year intervals to determine whether the technology in the provision of personal wireless services has changed such that the necessity for the permit at the time of its approval has been eliminated or modified. In connection with the foregoing, Verizon Wireless hereby reiterates that the technology has not changed to eliminate the need for the Facility and with respect thereto, we are pleased to include the following materials:

1. One (1) check in the amount of $2,500.00 which represents the Village Special Permit Review Fee;

2. One (1) Radio Frequency-Electromagnetic (RF-EME) Jurisdictional Report, prepared by EBI Consulting;

3. One (1) Certification from Verizon Wireless Radio Frequency Engineer, Ali Aljibori; and

4. One (1) Structural Letter, prepared by Structural Consulting Services, P.C., dated July 7, 2021. The Structural Letter was submitted in connection with certain antenna maintenance and repairs ("Work"). The Building Permit (#20210149) for such Work was closed out on January 25, 2024 pursuant to the Certificate of Occupancy #20240011.

Thank you for your consideration. We look forward to receiving the special permit renewal at your next available meeting. If you have any questions or require additional documentation, please do not hesitate to call me or Angela Poccia at (914) 333-0700.

Respectfully submitted,
Snyder & Snyder, LLP

By: _____
Michael P. Sheridan

MS:ap
cc: Verizon Wireless
Z:\SSDATA\WPDATA\SS4\WP\NEWBANM\MIKE BONHOMME\CROTON-ON-HUDSON\RENEWAL 2025\RENEWAL.LTR.AP.3.13.2025.DOCX

Village of **Croton-on-Hudson** New York

Stanley H. Kellerhouse Municipal Building
One Van Wyck Street
Croton-on-Hudson, NY 10520-2501

June 2, 2020

Snyder & Snyder, LLP
Attn: Michael P. Sheridan
94 White Plains Road
Tarrytown, NY 10591

Re: Special Permit Renewal
New York SMSA Limited Partnership d/b/a Verizon Wireless

Dear Mr. Sheridan:

Enclosed is a certified resolution approving your request for renewal of a special permit for Verizon Wireless to co-locate a personal wireless communication facility at 26 Veteran's Plaza.

Please be reminded that this approval is good for 5 years with an expiration date of June 1, 2025 and will need to be applied for again before the expiration.

Sincerely,

Pauline DiSanto
Village Clerk

On motion of TRUSTEE HABIB, seconded by TRUSTEE GALLELI, the following resolution was adopted by the Board of Trustees of the Village of Croton-on-Hudson, New York with the following Roll Call Vote: Trustee Habib Aye, Trustee Horowitz Aye, Trustee Simmons Aye, Trustee Gallelli Aye, Mayor Pugh Aye.

Resolution #83-2020

WHEREAS, the Village has received a special permit renewal application from Verizon Wireless for a colocation of the personal wireless services facility located at 26 Veterans Plaza in the Croton-Harmon Train Station parking lot; and

WHEREAS, the initial special permit was issued in 2010, and was renewed in 2015; and

WHEREAS, a public hearing was held and closed on June 1, 2020,

NOW THEREFORE BE IT RESOLVED: that the Village Board of Trustees does hereby issue a special permit to Verizon Wireless for the colocation of a personal wireless services facility at 26 Veterans Plaza with the following conditions:

1. That, as required in the Telecommunications Towers Law, Chapter 206 of the Village Code, the special permit must be renewed every 5 years.
2. That, as required in the Telecommunications Towers Law, Chapter 206 of the Village Code, the applicant must post a bond in the amount to be determined by the Village Engineer to cover the costs of removing and disposing of the applicant's equipment which may consist of the antenna, building, and associated facilities. In the event that the equipment is not removed within 90 days of the cessation of operations at the site, the equipment may be removed by the Village and the costs of removal assessed against the property, the bond or both.
3. That, the applicants' telecommunications equipment shall at all times during the life of the facility comply with the applicable FCC regulations pertaining to radio frequency emissions, including such regulations as applicable to cumulative radio frequency emissions. Any necessary mitigation measures to ensure compliance shall follow FCC requirements, procedures and protocols.
4. That, there shall be no interference with any existing radio frequency equipment or facilities already in place or to be installed in the future on the monopole at 26 Veterans Plaza.

5. That, all Verizon Wireless equipment on the monopole shall be painted to match the approved color and be maintained in the future.
6. That, the equipment plans for the antennas call for present and future battery cabinets. The applicant must identify the types of batteries used and their disposal requirements. This information must be posted on the battery cabinets.
7. That, any future requirements for the use of a man lift must be restricted to Saturday or Sunday use.

Dated: June 1, 2020

****

State of New York)
ss:
County of Westchester)

I, Pauline DiSanto, Clerk of the Village of Croton-on-Hudson, in the County of Westchester, State of New York, do hereby certify that the annexed resolution is a copy of an original on file in my office and has been duly adopted at a regular meeting of the Board of Trustees of said Village held on June 1st , 2020.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of the said Village this 04th day of January 2020.

Village Clerk

(Seal)

Radio Frequency - Electromagnetic Energy (RF-EME) Jurisdictional Report

Site No. 145778
Croton On Hudson
26 Veteran's Plaza
Croton On Hudson, New York 10520
Westchester County
41° 11' 18.06" N, -73° 52' 53.70" W NAD83

EBI Project No. 052205-PR
May 8, 2025

Prepared for:

Verizon Wireless
4 Centerock Road
West Nyack, NY 10994

Prepared by:

EBI Consulting
environmental | engineering | due diligence

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1
1.0 INTRODUCTION 1
2.0 SITE DESCRIPTION 2
3.0 WORST-CASE MODELING CALCULATIONS 3
4.0 MITIGATION/SITE CONTROL OPTIONS 4
5.0 SUMMARY AND CONCLUSIONS 4
6.0 LIMITATIONS 5

APPENDICES

APPENDIX A CERTIFICATIONS
APPENDIX B RADIO FREQUENCY ELECTROMAGNETIC ENERGY SAFETY
APPENDIX C FEDERAL COMMUNICATIONS COMMISSION (FCC) REQUIREMENTS

EXECUTIVE SUMMARY

Purpose of Report

EnviroBusiness Inc. (dba EBI Consulting) has been contracted by Verizon Wireless to conduct radio frequency electromagnetic (RF-EME) modeling for Verizon Wireless' existing facility ("Facility") located on the existing monopole at 26 Veteran's Plaza in Croton On Hudson, New York ("Site") to determine RF-EME exposure levels from existing Verizon Wireless communications equipment at this Site. As described in greater detail in Appendix C of this report, the Federal Communications Commission (FCC) has developed Maximum Permissible Exposure (MPE) Limits for the general population and for occupational activities. The FCC requires wireless system operators to perform an assessment of potential human exposure to RF fields emanating from all transmitting antennas at a site whenever antenna operations are added or modified, and to ensure compliance with the MPE limit in the FCC regulations. This report summarizes the results of RF-EME modeling in relation to relevant FCC RF-EME regulations/compliance standards.

This report describes modeling calculations of RF levels associated with the existing antennas. We have performed these modeling calculations at all adjacent roof levels and at street level employing standard FCC mathematical models for calculating the effects of the antennas in a conservative manner. Therefore, our results provide worst-case RF levels to ensure the conclusions are conservative with regard to compliance with the FCC limit for safe continuous exposure.

Statement of Compliance

In this case, there are other existing antenna carriers (AT&T, Sprint, and T-Mobile) at the Site to include in the compliance assessment. Note that FCC regulations require any future antenna collocators to assess and assure continuing compliance based on the cumulative effects of all then-proposed and then-existing antennas at the Site. As presented in the sections below, our conclusions are based on worst-case modeling calculations related to the existing and proposed antennas.

At ground level, the maximum cumulative exposure level from all carriers at this Site is approximately 7 percent of the FCC's general population limit (1.4 percent of the FCC's occupational limit). Notwithstanding, workers climbing the monopole should be informed about the presence and locations of antennas and their associated fields. Due to the use of such conservative calculations for purposes of our analysis, it should be noted that the exposure levels actually caused by the antennas will likely be less significant than the calculated results herein.

As the site is in compliance with applicable FCC limits as designed, there are no additional control measures required (See Section 4.0). Notwithstanding, it is also recommended that in connection with a lockout/tagout procedure, any non-Verizon Wireless worker/contractor who will be working on the monopole contact Verizon Wireless since only Verizon Wireless has the ability to lockout/tagout the Facility, or to authorize others to do so.

1.0 INTRODUCTION

Verizon Wireless' public utility wireless communications facilities typically consist of: 1) electronic transceivers (the radios or cabinets) connected to wired telephone lines; and 2) antennas that send and receive the wireless signals created by the transceivers to be most commonly received by individual subscriber units (wireless telephones). Transceivers are typically connected to antennas by fiber or coaxial cables.

Because of the short wavelength of the radio waves used in wireless services, the antennas require line-of-sight paths for good propagation, and are typically installed a distance above ground level, affording a larger line-of-sight area. Antennas are constructed to propagate towards the horizon, with as little energy as possible scattered towards the ground or the sky. This design, combined with the low power of such facilities, typically results in no exposure approaching Maximum Permissible Exposure (MPE) levels, with the exception of areas in close proximity in front of the antennas.

Emissions at or below MPE limits do not represent any health risk, since they are designed to provide a substantial margin of safety. Importantly, such limits are calculated to allow for continuous exposures, including a prudent margin of safety for all persons, regardless of age, gender, size or health.

2.0 SITE DESCRIPTION

This project site includes the following existing wireless telecommunication antennas on a monopole located at 26 Veteran's Plaza in Croton On Hudson, New York.

Ant #	NAME	Antenna Radiation Centerline	Antenna Model
1	Verizon Wireless	110.0	Commscope NHH-45A-R2B
2	Verizon Wireless	110.0	Commscope NHH-45A-R2B
3	Verizon Wireless	110.5	Samsung MT6407-77A
4	Verizon Wireless	107.75	Samsung XXDWMM-12.5-65-8T
5	Verizon Wireless	110.0	Commscope NHH-45A-R2B
6	Verizon Wireless	110.0	Commscope NHH-45A-R2B
7	Verizon Wireless	110.5	Samsung MT6407-77A
8	Verizon Wireless	107.75	Samsung XXDWMM-12.5-65-8T
9	Verizon Wireless	110.0	Commscope NHH-45A-R2B
10	Verizon Wireless	110.0	Commscope NHH-45A-R2B
11	Verizon Wireless	110.5	Samsung MT6407-77A
12	Verizon Wireless	107.75	Samsung XXDWMM-12.5-65-8T
13	Sprint	140.0	Unknown
14	Sprint	140.0	Unknown
15	Sprint	140.0	Unknown
16	Sprint	140.0	Unknown
17	Sprint	140.0	Unknown
18	Sprint	140.0	Unknown
19	Sprint	140.0	Unknown
20	Sprint	140.0	Unknown
21	Sprint	140.0	Unknown
22	AT&T	130.0	Unknown
23	AT&T	130.0	Unknown
24	AT&T	130.0	Unknown
25	AT&T	130.0	Unknown
26	AT&T	130.0	Unknown
27	AT&T	130.0	Unknown
28	AT&T	130.0	Unknown
29	AT&T	130.0	Unknown
30	AT&T	130.0	Unknown
31	T-Mobile	120.0	Unknown
32	T-Mobile	120.0	Unknown
33	T-Mobile	120.0	Unknown
34	T-Mobile	120.0	Unknown

35	T-Mobile	120.0	Unknown
36	T-Mobile	120.0	Unknown
37	T-Mobile	120.0	Unknown
38	T-Mobile	120.0	Unknown
39	T-Mobile	120.0	Unknown

The above table contains an inventory of existing Verizon Wireless Antennas and other carrier antennas (T-Mobile, Sprint, and AT&T) if sufficient information was available to model them. Note that for modeling purposes, EBI uses a conservative/worst-case assumed set of antenna specifications and powers for any unknown antennas. The FCC guidelines incorporate two separate tiers of exposure limits that are based upon occupational exposure limits (for workers) and general population exposure limits for members of the general population. This analysis has considered exposures with respect to both occupational and general population limits to provide a fully comprehensive report. Additional information regarding occupational/general population exposure limits is provided in Appendix C.

3.0 WORST-CASE MODELING CALCULATIONS

EBI has performed theoretical MPE modeling using IXUS™ software to estimate the worst-case power density at the site's nearby broadcast levels resulting from operation of the antennas. IXUS™ is a widely-used predictive modeling program to predict RF power density values for rooftop and tower telecommunications sites produced by vertical collinear antennas that are typically used in the cellular, PCS, paging and other communications services. Using the computational methods set forth in Federal Communications Commission (FCC) Office of Engineering & Technology (OET) Bulletin 65, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields" (OET-65), IXUS™ calculates predicted power density in a scalable grid based on the contributions of all RF sources characterized in the study scenario. At each grid location, the cumulative power density is expressed as a percentage of the FCC limits. Manufacturer antenna pattern data is utilized in these calculations. The models utilize several operational specifications for different types of antennas to produce a plot of spatially-averaged power densities that can be expressed as a percentage of the applicable exposure limit.

For this report, EBI utilized antenna and power data provided by Verizon Wireless and information gathered from other sources. As noted above, where information was not available EBI used the conservative/worst-case assumed set of antenna specifications and power. EBI then compared the resultant worst-case MPE levels to the FCC's occupational exposure limits outlined in OET Bulletin 65. The parameters used for modeling are summarized in the Site Description antenna inventory table in Section 2.0.

As noted above, T-Mobile, AT&T, and Sprint also have antennas on the monopole. To the extent known, information about these antennas was included in the modeling analysis. Conservative modeling specifications were used for these antennas and was included in the modeling analysis. As noted above, to the extent any antennas were unknown, EBI used a conservative/worst-case assumed set of antenna specifications and powers.

At ground level the maximum cumulative exposure level from all carriers at this Site is approximately 7 percent of the FCC's general population limit (1.4 percent of the FCC's occupational limit). Notwithstanding, workers climbing the monopole should be informed about the presence and locations of antennas and their associated fields.

A site would be considered out of compliance with FCC regulations if there are areas that exceed the FCC exposure limits and there are no RF hazard mitigation measures in place. Any carrier which has an

installation that contributes more than 5% of the applicable MPE must participate in mitigating these RF hazards. There are no modeled areas on the ground that exceed the FCC's limits for general population or occupational exposure in front of the other carrier antennas. As the site is in compliance with applicable FCC limits as designed, and in accordance with the official Verizon Wireless Signage and Demarcation Policy for tower structures, no signage is recommended at this site.

The inputs used in the modeling are summarized in the Site Description antenna inventory table in Section 2.0. Signage recommendations based on the IXUS™ modeling results are presented in Appendix B.

4.0 MITIGATION/SITE CONTROL OPTIONS

EBI's modeling indicates that based on worst-case modeling calculations related to the existing antennas at ground level, the maximum cumulative exposure level from all carriers on this Site is approximately 7 percent of the FCC's general population limit (1.4 percent of the FCC's occupational limit). EBI's modeling indicates that there are no accessible areas in front of the Verizon Wireless antennas that exceed the FCC standards for occupational or general population exposure. In accordance with the official Verizon Wireless Signage and Demarcation Policy for tower structures, no signage is recommended at this site.

Barriers are recommended for installation when possible to block access to the areas in front of the antennas that exceed the FCC general population and/or occupational limits. Barriers may consist of rope, chain, or fencing. Painted stripes should only be used as a last resort. There are no barriers recommended on this site.

5.0 SUMMARY AND CONCLUSIONS

EBI has prepared a Radiofrequency – Electromagnetic Energy (RF-EME) Compliance Report in connection with Verizon Wireless' existing telecommunications equipment to be installed at 26 Veteran's Plaza in Croton On Hudson, New York to determine worst-case calculated RF-EME exposure levels from the proposed Facility at this Site. This report summarizes the results of RF-EME modeling in relation to relevant Federal Communications Commission (FCC) RF-EME compliance standards for limiting human exposure to RF-EME fields.

As presented in the sections above, based on the FCC criteria, at ground level, the maximum cumulative exposure level from all existing and proposed carriers on this Site is approximately 7 percent of the FCC's general population limit (1.4 percent of the FCC's occupational limit). There are no modeled areas on any accessible ground-level walking/working surface related to the existing antennas that exceed the FCC's occupational or general population exposure limits at this site.

Workers should be informed about the presence and locations of antennas and their associated fields. Recommended control measures (if any) are outlined in Section 4.0 and within the Site Signage Plan (attached) to the extent not already installed. Workers who will be working in areas of exceedance, if any, are required to contact Verizon Wireless since only Verizon Wireless has the ability to lockout/tagout the facility, or to authorize others to do so.

As the site is in compliance with applicable FCC limits as designed, there are no additional control measures required (See Section 4.0).

As noted above, because of the conservative calculation methodology and operational assumptions applied in the analysis based on the table in Section 2.0, the actual MPE levels of the existing Verizon Wireless antennas and other carrier antennas will likely be less significant than the calculated results here indicate.

6.0 LIMITATIONS

This report was prepared at the request of Verizon Wireless. It was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same locale under like circumstances. The conclusions provided by EBI are based solely on the information provided by the client. At the time of this report, no additional areas were identified on adjacent elevated surfaces that exceed the FCC's general population MPE. The observations in this report are valid on the date of the investigation. Any additional information that becomes available concerning the Site should be provided to EBI so that our conclusions may be revised and modified, if necessary. This report has been prepared in accordance with Standard Conditions for Engagement and authorized proposal, both of which are integral parts of this report. No other warranty, expressed or implied, is made.

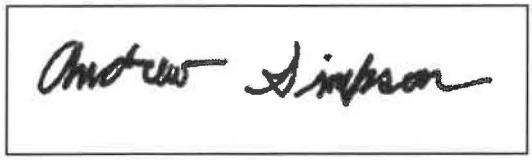
Appendix A

Certifications

Preparer Certification

I, Andrew Simpson, state that:

- I am an employee of EnviroBusiness Inc. (d/b/a EBI Consulting), which provides RF-EME safety and compliance services to the wireless communications industry.
- I have successfully completed RF-EME safety training, and I am aware of the potential hazards from RF-EME and would be classified "occupational" under the FCC regulations.
- I am fully aware of and familiar with the Rules and Regulations of both the Federal Communications Commission (FCC) and the Occupational Safety and Health Administration (OSHA) with regard to Human Exposure to Radio Frequency Radiation.
- I have reviewed the data provided by the client and incorporated it into this Site Compliance Report such that the information contained in this report is true and accurate to the best of my knowledge.



Appendix B

Radio Frequency Electromagnetic Energy

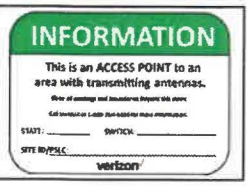
Safety Information

RF Signage and Safety Information

RF Signage

Areas or portions of any transmitter site may be susceptible to high power densities that could cause personnel exposures in excess of the FCC guidelines. These areas must be demarcated by conspicuously posted signage that identifies the potential exposure. Signage must be viewable regardless of the viewer's position. Signs must be legible and readily viewable and readable at a minimum distance of five feet (1.52 meters) from the boundary (and as necessary on approach to this boundary) at which the applicable limits are exceeded, and that controls or indicators be placed at compliance boundaries. The minimum readable letter height at 5 feet from the signage is 0.20 inches for the Message and 0.44 inches for the Signal.

GUIDELINES	NOTICE	CAUTION	WARNING
This sign will inform anyone of the basic precautions to follow when entering an access point to an area with transmitting radiofrequency equipment.	This sign indicates that RF emissions may exceed the FCC General Population MPE limit.	This sign indicates that RF emissions may exceed the FCC Occupational MPE limit.	This sign indicates that RF emissions may exceed at least 10x the FCC Occupational MPE limit.
			

NOC INFORMATION	
Information signs are used as a means to provide contact information for any questions or concerns. They will include specific cell site identification information and the Verizon Wireless Network Operations Center phone number.	

Physical Barriers

Physical barriers are control measures that require awareness and participation of personnel. Physical barriers are employed as an additional administration control to complement RF signage and physically demarcate an area in which RF exposure levels may exceed the FCC General Population limit. **Example**: chain-connected stanchions

Indicative Markers

Indicative markers are visible control measures that require awareness and participation of personnel, as they cannot physically prevent someone from entering an area of potential concern. Indicative markers are employed as an additional administration control to complement RF signage and visually demarcate an area in which RF exposure levels may exceed the FCC General Population limit. **Example**: paint stripes

Occupational Safety and Health Administration (OSHA) Requirements

A formal adopter of FCC Standards, OSHA stipulates that those in the Occupational classification must complete training in the following: RF Safety, RF Awareness, and Utilization of Personal Protective Equipment. OSHA also provides options for Hazard Prevention and Control:

Hazard Prevention	Control
• Utilization of good equipment • Enact control of hazard areas • Limit exposures • Employ medical surveillance and accident response	• Employ Lockout/Tag out • Utilize personal alarms & protective clothing • Prevent access to hazardous locations • Develop or operate an administrative control program

Appendix C

Federal Communications Commission (FCC) Requirements

The FCC has established Maximum Permissible Exposure (MPE) limits for human exposure to Radiofrequency Electromagnetic (RF-EME) energy fields, based on exposure limits recommended by the National Council on Radiation Protection and Measurements (NCRP) and, over a wide range of frequencies, the exposure limits developed by the Institute of Electrical and Electronics Engineers, Inc. (IEEE) and adopted by the American National Standards Institute (ANSI) to replace the 1982 ANSI guidelines. Limits for localized absorption are based on recommendations of both ANSI/IEEE and NCRP.

The FCC guidelines incorporate two separate tiers of exposure limits that are based upon occupational/controlled exposure limits (for workers) and general population/uncontrolled population exposure limits for members of the general population.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

General population/uncontrolled exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment-related.

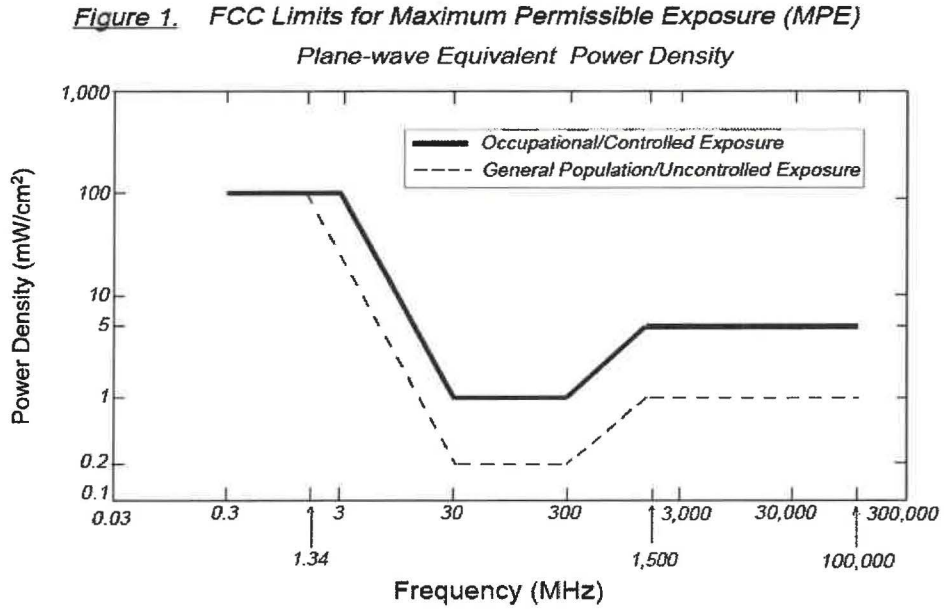
Table 1 and Figure 1 (below), which are included within the FCC's OET Bulletin 65, summarize the MPE limits for RF emissions. These limits are designed to provide a substantial margin of safety. They vary by frequency to take into account the different types of equipment that may be in operation at a particular facility and are "time-averaged" limits to reflect different durations resulting from occupational and general population exposures.

The FCC's MPEs are measured in terms of power (mW) over a unit surface area (cm2). Known as the power density, the FCC has established for equipment operating at frequencies range from 300 Mhz to 1,500 Mhz the Occupational/Controlled limit of (f/300) mW/cm2 where f is the Frequency in (MHz) and the General Population / Uncontrolled limit of (f/1500) mW/cm where f is the Frequency in (MHz). For equipment operating at frequency ranges from 1900 MHz to 100,000 MHz, the FCC's occupational MPE is 5.0 mW/cm2 and an uncontrolled MPE limit of 1.0 mW/cm2. These limits are considered protective of these populations.

Table 1: Limits for Maximum Permissible Exposure (MPE)				
(A) Limits for Occupational/Controlled Exposure				
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
300-1,500	--	--	f/300	6
1,500-100,000	--	--	5	6
(B) Limits for General Population/Uncontrolled Exposure				
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
300-1,500	--	--	f/1,500	30
1,500-100,000	--	--	1.0	30

f = Frequency in (MHz)
* Plane-wave equivalent power density

Figure 1. FCC Limits for Maximum Permissible Exposure (MPE)



Based on the above, the most restrictive thresholds for exposures of unlimited duration to RF energy for several personal wireless services are summarized below:

Personal Wireless Service	Approximate Frequency	Occupational MPE	Public MPE
Microwave (Point-to-Point)	5,000 - 80,000 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Broadband Radio (BRS)	2,600 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Wireless Communication (WCS)	2,300 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Advanced Wireless (AWS)	2,100 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Personal Communication (PCS)	1,950 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Cellular Telephone	870 MHz	2.90 mW/cm^2	0.58 mW/cm^2
Specialized Mobile Radio (SMR)	855 MHz	2.85 mW/cm^2	0.57 mW/cm^2
Long Term Evolution (LTE)	700 MHz	2.33 mW/cm^2	0.47 mW/cm^2
Most Restrictive Frequency Range	30-300 MHz	1.00 mW/cm^2	0.20 mW/cm^2

MPE limits are designed to provide a substantial margin of safety. These limits apply for continuous exposures and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health.

Verizon Wireless' public utility wireless communications facilities typically consist of: 1) electronic transceivers (the radios or cabinets) connected to wired telephone lines; and 2) antennas that send the wireless signals created by the transceivers to be received by individual subscriber units (wireless telephones). Transceivers are typically connected to antennas by fiber or coaxial cables.

Because of the short wavelength of the radio waves used in wireless services, the antennas require line-of-sight paths for good propagation, and are typically installed above ground level, affording a larger line-of-sight area. Antennas are constructed to propagate towards the horizon, with as little energy as possible scattered towards the ground or the sky. This design, combined with the low power of such facilities, typically results in no exposure approaching Maximum Permissible Exposure (MPE) levels, with the exception of areas directly in front of the antennas.

FCC Compliance Requirement

A site is considered out of compliance with FCC regulations if there are areas that exceed the FCC exposure limits and there are no RF hazard mitigation measures in place. Any carrier which has an installation that contributes more than 5% of the applicable MPE must participate in mitigating these RF hazards.

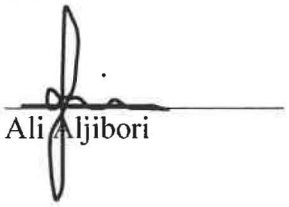
NY-Croton-On-Hudson

VERIZON WIRELESS' CERTIFICATION

State of New York)
) ss.:
County of Westchester)

I, Ali Aljibori, a qualified radio frequency engineer for New York SMSA Limited Partnership d/b/a Verizon Wireless ("Verizon Wireless") with expertise in wireless telecommunications facilities, hereby certify on behalf of Verizon Wireless that (i) I am familiar with Verizon Wireless' existing wireless telecommunications facility ("Facility") consisting of antennas on the existing tower at 26 Veterans Plaza, with related equipment at the base thereof and that; (ii) Verizon Wireless continues to need this Facility to cover what would be a significant gap in Verizon Wireless service in the vicinity of the Facility; and (iii) the Facility remains in compliance with the all applicable local laws.

CERTIFIED BY:



Ali Aljibori

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S C S **STRUCTURAL CONSULTING SERVICES, P.C.**

July 7, 2021

Mr. Daniel O'Connor
Building Inspector
Village of Croton-on-Hudson
1 Van Wyck Street
Croton-on-Hudson, NY 10520

RE: New York SMSA Limited Partnership d/b/a Verizon Wireless
Site: Croton-on-Hudson
26 Veteran's Plaza, Croton-on-Hudson, NY 10520
Section 79.17, Block 1, Lots 10
Proposed Antenna Modifications

Dear Mr. O'Connor:

New York SMSA Limited Partnership d/b/a Verizon Wireless is proposing the following modifications to their existing wireless telecommunications facility at the above referenced site as shown on the construction drawings prepared by our office, drawings C-1, C-2 and C-3 dated 7/7/21:

- The installation of one (1) new CBRS antenna/radio and one (1) new LS6 antenna/radio stacked vertically on the vacant mounting pipe at each of the three (3) sectors on the existing T-Arm standoff mounts on the existing 140'+/- monopole
- The replacement of all six (6) existing RRH units attached to the existing monopole with six (6) new dual-band RRH units
- The replacement of the three (3) existing 6-OVP distribution boxes attached to the existing monopole with three (3) new 12-OVP distribution boxes
- The replacement of the three (3) existing 6x12 hybriflex cables routed inside the existing monopole with three (3) new 12x24 hybriflex cables

Our office has reviewed the proposed modifications for its effect on the existing monopole. Based on our review of the most recent structural analysis report, to our knowledge, for the existing monopole prepared by Tectonic Engineering & Surveying Consultants, P.C., Newburgh, NY, dated February 27, 2019, the proposed modifications result in an overall net decrease in loading for VZW's installation on the monopole from that considered in the analysis. In our professional opinion, the existing monopole and foundation can accommodate the proposed modifications. Should you have any questions, please do not hesitate to contact our office.

Sincerely,

Structural Consulting Services, P.C.

James H. Fahey, P.E., S.E.
Principal

JHF/jhf

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