



July 2nd 2024

To: Chatham County

Transmitted via email to: monica.reyes@verizonwireless.com

RE: Verizon Self Support Tower Bear Maple Site Located at: 4162 Bonlee Bennett Road, Bear Creek, NC 27207

Chatham County,

This is in response to your inquiry to Verizon concerning interference to your existing telecommunications devices and services, as well as your concerns regarding, radiofrequency (RF) exposure related to Verizon's proposed facilities at 4162 Bonlee Bennett Road, Bear Creek, NC 27207. Verizon provides Commercial Mobile Radio Services (CMRS) under licenses granted by the Federal Communication Commission ("FCC").

The FCC exclusively regulates all technical aspects of Verizon's operations and network and preempts all state and local regulation of radiofrequency transmissions. The FCC rules protect co-channel and adjacent licensees against harmful interference.

The FCC has established safety guidelines relating to potential RF exposure from cell sites, known as Maximum Permissible Exposure (MPE) limits.

The above noted proposed Verizon facility is compliant with all applicable FCC requirements. The points below cover Verizon's practices pertinent to complying with the FCC requirements:

1. Verizon locates its transmitting antenna(s) in order to maximize vertical and horizontal separation from other operator's systems to minimize interference potential.
2. All equipment at the proposed facility is designed and certified to operate within the frequencies licensed to Verizon by the FCC, and to operate in a manner approved by the FCC.
3. The power levels generated by the facility's radios and corresponding effective radiated power (ERP) from the transmitting antenna(s) are within the limitations specified by Part 22 (for cellular), Part 24 (for PSC), Part 27 (for 700 MHz or AWS), Part 96 (for CBRS), Part 30 (UMFUS/mmWave) or Part 101 (for microwave) of the Commission's Rules.
4. Verizon performed an RF compliance pre-construction evaluation. The results of the evaluation demonstrate the site will be compliant with FCC (RF) safety standards.

The FCC has established safety rules relating to potential RF exposure from cell sites. The rules are codified at 47 C.F.R § 1.1310. The FCC provides guidance on how to ensure compliance with its rules in the FCC Office of Engineering and Technology Bulletin 65 (available at https://transition.fcc.gov/Bureaus/Engineering_Technology/Documents/bulletins/oet65/oet65.pdf). The FCC provides information about the safety of radio frequency (RF) emissions from cell towers on its website at: <https://www.fcc.gov/engineering-technology/electromagnetic-compatibility-division/radio-frequency-safety/faq/rf-safety>.

The FCC developed these standards in consultation with numerous other federal agencies, including the Environmental Protection Agency, the Food and Drug Administration, and the Occupational Safety and Health Administration. The standards have wide safety margins and are designed to protect everyone, including children.

The FCC adopted the standards after examining the RF research that scientists in the US and around the world have conducted for decades. The research continues to this day, and agencies continue to monitor it. Based on that research, federal agencies have concluded that equipment and networks that comply with the safety standards pose no known health risks. In December 2019, the FCC, after a lengthy proceeding, affirmed these safety standards and concluded that these standards continue to be appropriate, including for 5G technology. The decision was unanimous and bipartisan. You can obtain further information about the safety of RF emissions from wireless network equipment and devices on the FCC's website, which you can access via this link: <http://www.fcc.gov/oet/rfsafety/rf-faqs.html>.

Additionally, www.wirelesshealthfacts.com is a good resource.

Questions related to compliance with federal regulations should be directed to VZWRFCompliance@VerizonWireless.com.

Please contact your local Verizon resource below if you have additional site-specific questions.

Contact Name	Contact Email	Contact Phone
SE-Regulatory	SE-Regulatory@verizonwireless.com	N/A

Sincerely,



Jignesh Choksi
Manager-RF System Design
Verizon