

AFFIDAVIT

**SWORN STATEMENT OF NEED FOR A NEW MOBILE SERVICE SUPPORT STRUCTURE FOR
BUSINESS DRIVE LOCATED AT 2219 SAUK TRAIL RD., SHEBOYGAN, WI 53083
IN SUPPORT OF NEW TOWER CONSTRUCTION PURSUANT TO WIS. STAT. §66.0404**

STATE OF WISCONSIN §
 §
COUNTY OF SHEBOYGAN §

BEFORE ME, the undersigned authority, this day personally appeared Kunjan Mehta, who being by me first duly sworn, on oath says as follows:

1. My name is Kunjan Mehta. I am an Engr III Cslt-Radio Frequency Global Network and Technology for Verizon Wireless (“Verizon”) in the Illinois/Wisconsin Market. As a radio frequency specialist, I am trained to identify lack of capacity in coverage in wireless communications systems and to assess the ability of proposed antenna sites to remedy lack of capacity in signal coverage.
2. Verizon is a federally licensed provider of wireless communications services with a national footprint.
3. Verizon will locate its personal wireless service equipment on this proposed tower and in the proposed ground equipment area. The proposed facilities are located within areas where Verizon has identified a need to install a wireless telecommunications facility in order to provide reliable wireless service. The search area for the proposed facility was determined by the fact that wireless service needs significant improvement throughout the surrounding. Furthermore, it was determined that the areas served by the facility would interact well with those of existing and planned facilities in the surrounding area.
4. Verizon would have a lack in the required capacity to provide reliable coverage in the City of Sheboygan if existing towers were to be used outside of the Verizon search ring. The proposed tower locations fulfill network requirements within this area. A lack of capacity could result in the inability to adequately transmit or receive calls, or by interrupted or disconnected calls.
5. The lack in the required capacity to provide reliable coverage that would be created in the City of Sheboygan if the proposed tower/equipment is not constructed, as shown in Exhibit A, would prevent Verizon from providing seamless wireless service to current and future public and private users of its wireless communication system including police, fire, ambulance and emergency response personnel.
6. Since wireless communication is used with increasing frequency to report crimes, accidents, fires, medical emergencies and other threats to people or property, a lack of the required capacity represents a demonstrable threat to public health, safety and welfare.

7. Exhibit A is a true and accurate simulation of existing radio frequency coverage in the area of the proposed site and shows the location of Verizon's proposed site in the City of Sheboygan. Exhibit B is a true and accurate simulation of radio frequency coverage of the proposed site with antennas at 120' on a 125' standard Monopole (with the highest point being 135' at the tip of a 10' lightning rod) and surrounding areas. The Proposed Tower is intended to provide coverage for up to three carriers. This evidence conclusively demonstrates Verizon's need for the proposed tower.
8. The proposed tower will provide needed coverage into the surrounding commercial and residential developments around the proposed site. When coupled with Verizon's existing system, the minimum antenna centerline height at the proposed site necessary to meet Verizon's radio frequency coverage and capacity objectives is as listed in section #7. The proposed tower and related ground equipment, as designed, will substantially accomplish Verizon's radio frequency goals in the area while minimizing any aesthetic impact to the community.
9. Natural and man-made features such as large buildings, hills, trees, and ridge lines all affect the way a signal travels and can distort or obstruct radio signals. Radio signals will either bounce off, bounce back or be absorbed by these obstructions. These constraints severely limit the suitability of sites for purposes of remedying a lack of capacity in signal coverage.
10. Exhibit C is a true and accurate representation of the search ring provided by Verizon to search for tower locations that meet the needs of Verizon's communications network. The search ring center is shown in Exhibit C and depicted as a red pin and the search ring is depicted as a red circle. The location of the proposed tower is shown in Exhibit C and depicted by the green pin.
11. We have performed an FCC Antenna Structure Registration Search for a quarter-mile radius around the coordinates of the proposed site. The results of this search are attached and incorporated herein by reference as Exhibit D. There were no towers within the search radius to meet the coverage objective. This additional evidence further demonstrates the need for the proposed tower.

Vertical Bridge US-WI-5737 -- Business Drive
Verizon MDG ID 5000954019
2219 Sauk Trail Rd., Sheboygan, WI 53083
RF Affidavit

DATED THIS 6 DAY OF August, 2024.

Kunjan
KUNJAN MEHTA
ENGR III CSLT-RADIO FREQUENCY
GLOBAL NETWORK AND TECHNOLOGY
VERIZON WIRELESS

SUBSCRIBED AND SWORN BEFORE ME THIS
6th DAY OF August, 2024.

Sharon A. Petrielli
NOTARY PUBLIC,

STATE OF: ILLINOIS

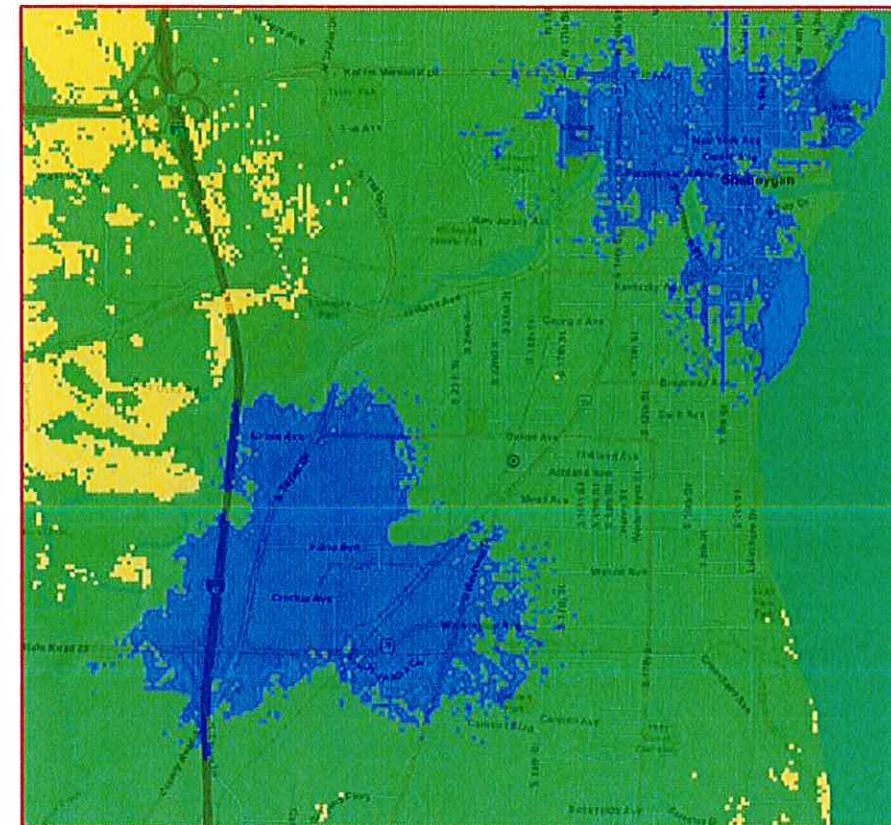
MY COMMISSION EXPIRES: 7-22-2025 COUNTY OF: COOK



EXHIBIT A

To Affidavit of Kunjan Mehta

See attached Propagation Map showing Current Coverage with Existing Antennas



LTE_NW-Mobility_RSRP-dBm (0)
■ Reliable In-Residence
■ Unreliable In-Residence
■ Unreliable In-vehicle/Reliable On-Street

EXHIBIT B

To Affidavit of Kunjan Mehta

See attached Propagation Map with Proposed Monopole, Antennas at 120' and Current Coverage with Existing Antennas

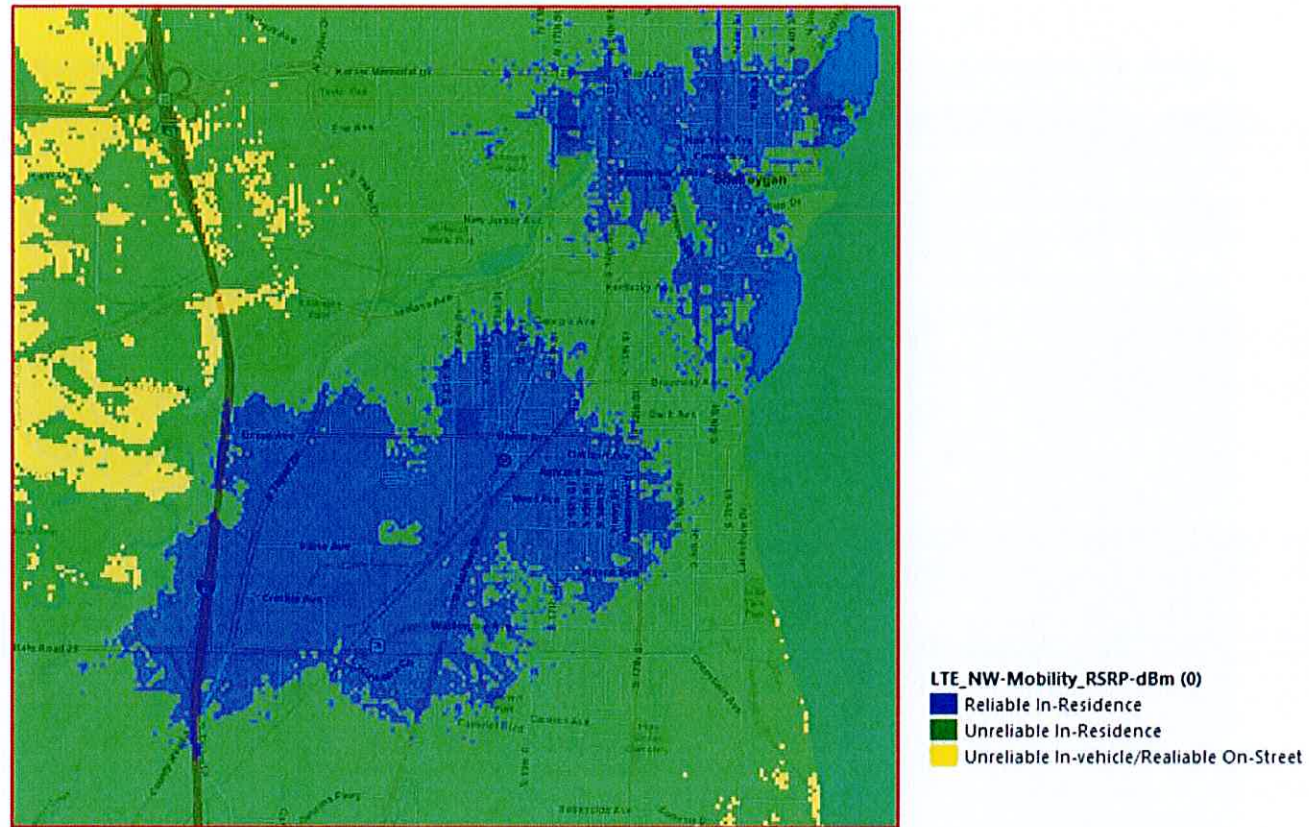


EXHIBIT C

To Affidavit of Kunjan Mehta

.25 Mile Search Radius Map: From RF Search Center

Center of RF .25 Mile Search Ring: Red Pin, Red Circle

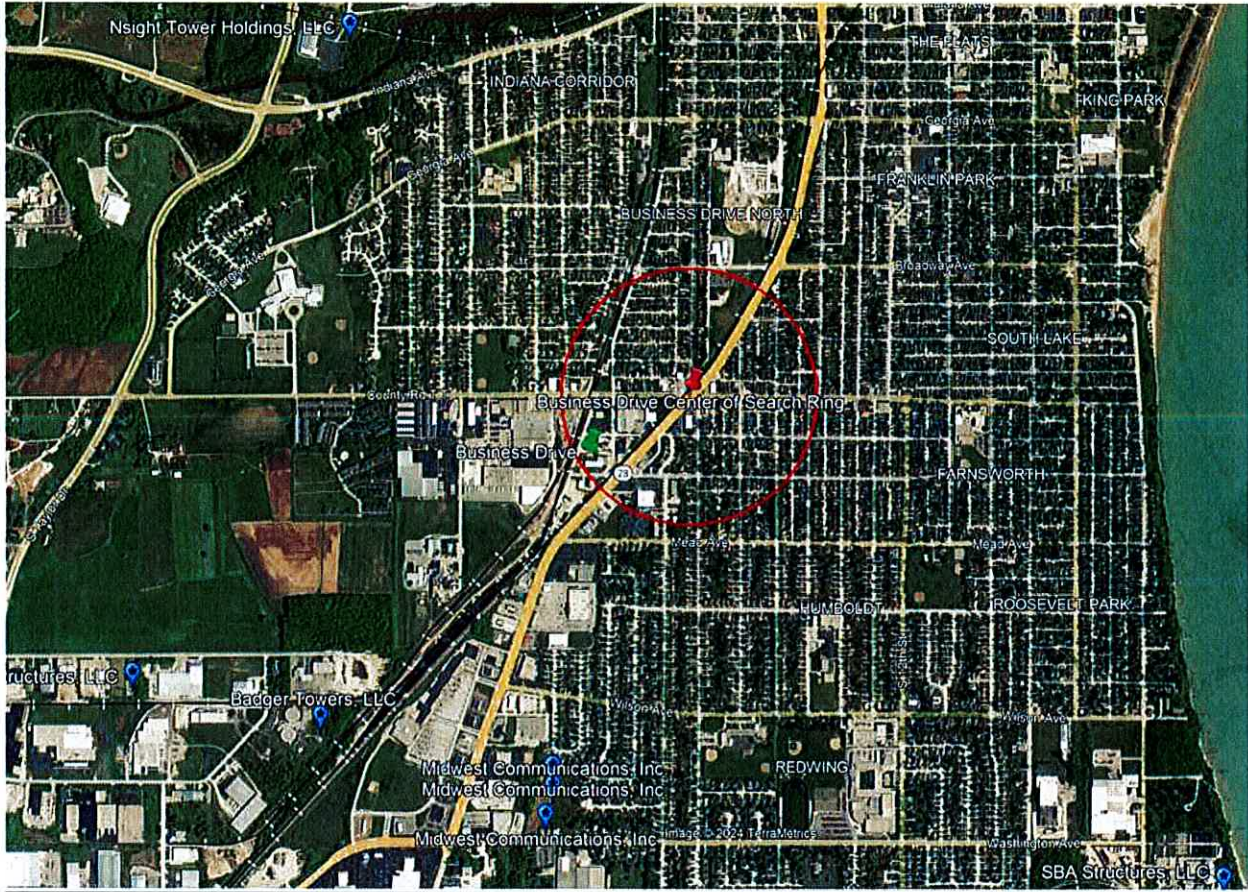


EXHIBIT D

To Affidavit of Kunjan Mehta

FCC Antenna Structure Registration Study Results

Center of RF Quarter-Mile Search Ring: Exhibit C Red Pin, Red Circle

Latitude: 43° 43' 55.56" North (43.732099°)
Longitude: 87° 43' 41.61" West (-87.728226°)

Proposed tower location: Exhibit C Green Pin

Latitude: 43° 43' 49.32" North (43.730367°)
Longitude: 87° 43' 56.23" West (-87.732286°)
Parcel ID: 59281425610
Jurisdiction: City of Sheboygan

Existing tower locations: Exhibit C Blue Stars

No existing towers within search ring.

