

**AFFIDAVIT**

STATE OF TEXAS           §  
  §  
COUNTY OF COLLIN       §

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

1. “My name is Mauricio Martinez. I am over the age of 18 and have never been convicted of a felony or crime involving moral turpitude. I have a BS degree in Electrical Engineering. I have been working as a radio frequency specialist since 1999. I have personal knowledge of the facts and statements contained herein.”
2. “I am a Sr. Manager of RF Engineering for T-Mobile West LLC ("T-Mobile") in the Dallas-Fort Worth Market. As a radio frequency specialist, I am trained to identify gaps in coverage in wireless communications systems and to assess the ability of proposed antenna sites to remedy gaps in signal coverage.”
3. “T-Mobile is authorized by the Federal Communications Commission to build a wireless communications system that will provide reliable coverage within the City of Dallas.”
4. “T-Mobile has conducted radio frequency studies of the area surrounding the wireless communications facility site located at 5619 Belmont Avenue, Dallas, Texas, 75206 (the "Proposed Site"). T-Mobile currently has antennas on the roof of a building at the Proposed Site ("Existing Antennas"), however, the owner of the property plans to demolish the existing building. Attached to this affidavit and incorporated herein by reference as Exhibits A, B, C and D are propagation studies depicting simulated radio frequency coverage in the area of the Proposed Site before (Exhibit A) and after (Exhibit B) the removal of Existing Antennas, and with antennas on a temporary tower with antenna centerlines at 65’ on a standard monopole (Exhibit C) and with antenna centerlines at 75’ and 85’ on a stealth monopole (Exhibit D).”
5. “T-Mobile would have a significant gap in reliable coverage in the City of Dallas if the Existing Antennas are removed and not replaced. A gap in coverage is evidenced by the inability to adequately transmit or receive calls, or by interrupted or disconnected calls.”
6. “The significant gap in reliable coverage that would be created in the City of Dallas if current coverage is not replaced, as shown in Exhibit B, would prevent T-Mobile 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.”

7. "Since wireless communication is used with increasing frequency to report crimes, accidents, fires, medical emergencies and other threats to people or property, a gap in coverage represents a demonstrable threat to public health, safety and welfare."
8. "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 T-Mobile's existing sites in and around the City of Dallas. Exhibit B is a true and accurate simulation of radio frequency coverage in the area of the Proposed Site after removal of the Existing Antennas, that indicates varying degrees of less than optimum coverage in the general vicinity of the Proposed Site, including, without limitation, projected significant gaps in coverage. In real world terms, the colors indicate the following:

Green = Good coverage inside vehicles & marginal coverage inside buildings

Yellow = Good coverage inside buildings

Upon removal of the Existing Antennas, T-Mobile proposes to install a temporary tower at the northeast corner of the Proposed Site in order to continue to provide approximately the same level of coverage as the current level of coverage shown in Exhibit A. After construction of the new buildings at the Proposed Site, T-Mobile intends to mount antennas on one or more of the new buildings and remove the temporary tower at the Proposed Site. Approximately equivalent coverage to what is provided by the Existing Antennas could be provided at the Proposed Site by antennas at 65' on a 90' standard monopole (with the highest point being 100' at the tip of an 10' lightning rod) as shown in Exhibit C, or by antennas at 75' and 85' on a 130' stealth monopole as shown in Exhibit D (interchangeably, "Proposed Tower"). The Proposed Tower is higher than necessary for T-Mobile's antennas alone because the Proposed Tower is intended to provide replacement coverage for three carriers and the tower height takes into account the co-location needs of ATT/Cingular and Verizon Wireless, who also currently have rooftop mounted antennas at the Proposed Site. This evidence conclusively demonstrates T-Mobile's need for the Proposed Tower."

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 gap in signal coverage."
10. "The Proposed Tower takes into account the foregoing topographic constraints and, following removal of the Existing Antennas and construction and activation of the Proposed Tower, T-Mobile's coverage and capacity needs in the immediate area of the Proposed Site will be substantially satisfied and coverage will be back to approximately the same level as the existing coverage shown in Exhibit A."
11. "We have performed an FCC Antenna Structure Registrations Search for a one mile radius around the coordinates of the Proposed Site. The results of this search are attached

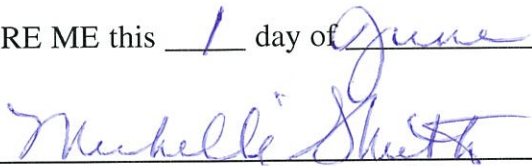
and incorporated herein by reference as Exhibit E. There were three towers within the search radius, however one tower has been terminated and is therefore not available, and the other two towers are too far away to meet the coverage objective. This additional evidence further demonstrates the need for the Proposed Tower.”

12. “The Proposed Tower will provide needed coverage into the surrounding commercial and residential developments within 0.6 miles around the Proposed Site upon removal of the Existing Antennas.”
13. “Upon removal of the Existing Antennas, the Proposed Tower will provide optimal coverage for the commercial and residential areas along Greenville Avenue and Belmont Avenue, and will serve both coverage and capacity needs by filling significant gaps in the ability of remote users of T-Mobile's wireless network to access the national telephone network that would otherwise arise upon removal of the Existing Antennas.”
14. “When coupled with T-Mobile's existing system and upon removal of the Existing Antennas, the minimum antenna centerline height at the Proposed Site necessary to meet T-Mobile's radio frequency coverage and capacity objectives is 65’ for a standard monopole tower or 75’ and 85’ for a stealth monopole tower. The Proposed Tower and related ground equipment, as designed, will substantially accomplish T-Mobile's radio frequency goals in the area while minimizing any aesthetic impact to the community.”

FURTHER, Affiant sayeth not.

  
\_\_\_\_\_  
Mauricio Martinez

SWORN TO AND SUBSCRIBED BEFORE ME this 1 day of June,  
2015, by Michelle S. Smith.

  
\_\_\_\_\_  
Notary Public, in and for the State of Texas

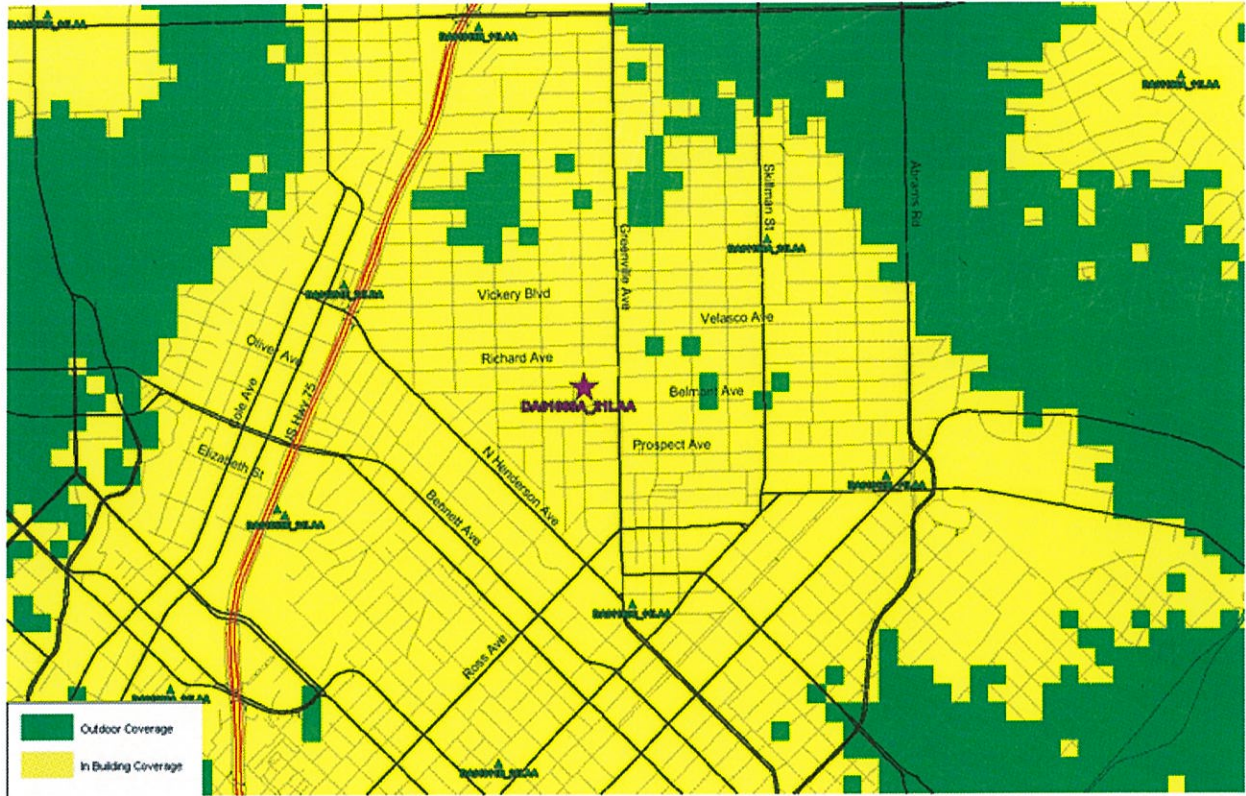
My commission expires:  
4-18-2016



**EXHIBIT A**

**To Affidavit of Mauricio Martinez**

*See attached Current Coverage with Existing Antennas Propagation Map*

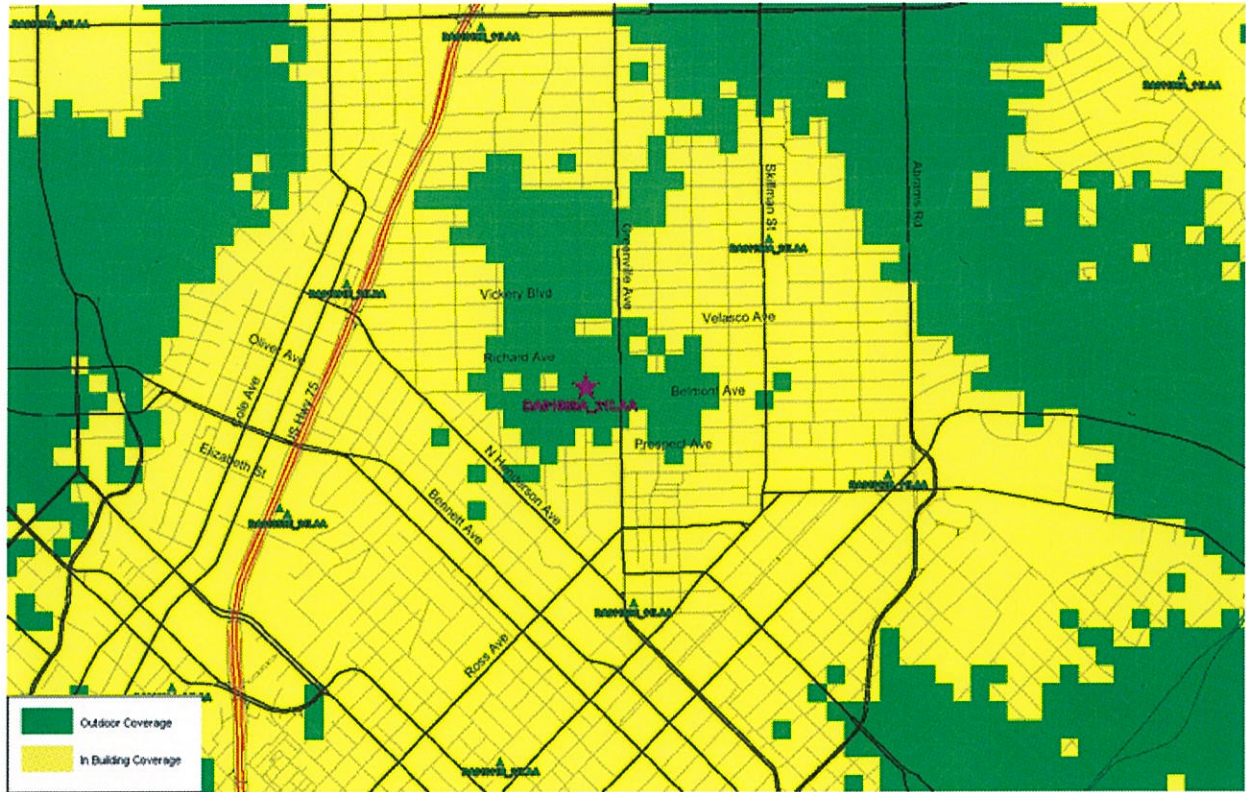




**EXHIBIT B**

**To Affidavit of Mauricio Martinez**

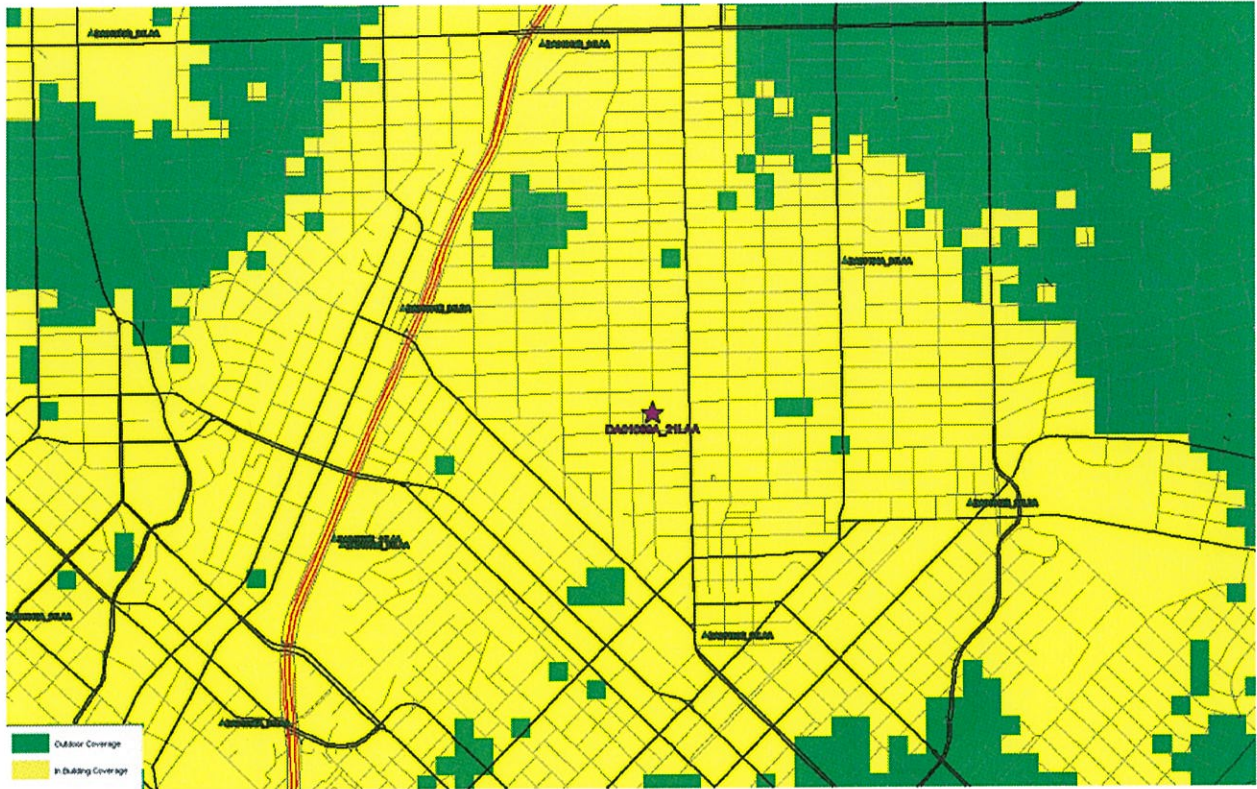
*See attached After Removal of Existing Antennas Propagation Map*



**EXHIBIT C**

**To Affidavit of Mauricio Martinez**

*See attached Propagation Map with Standard Monopole Proposed Tower and Antennas at 65'*

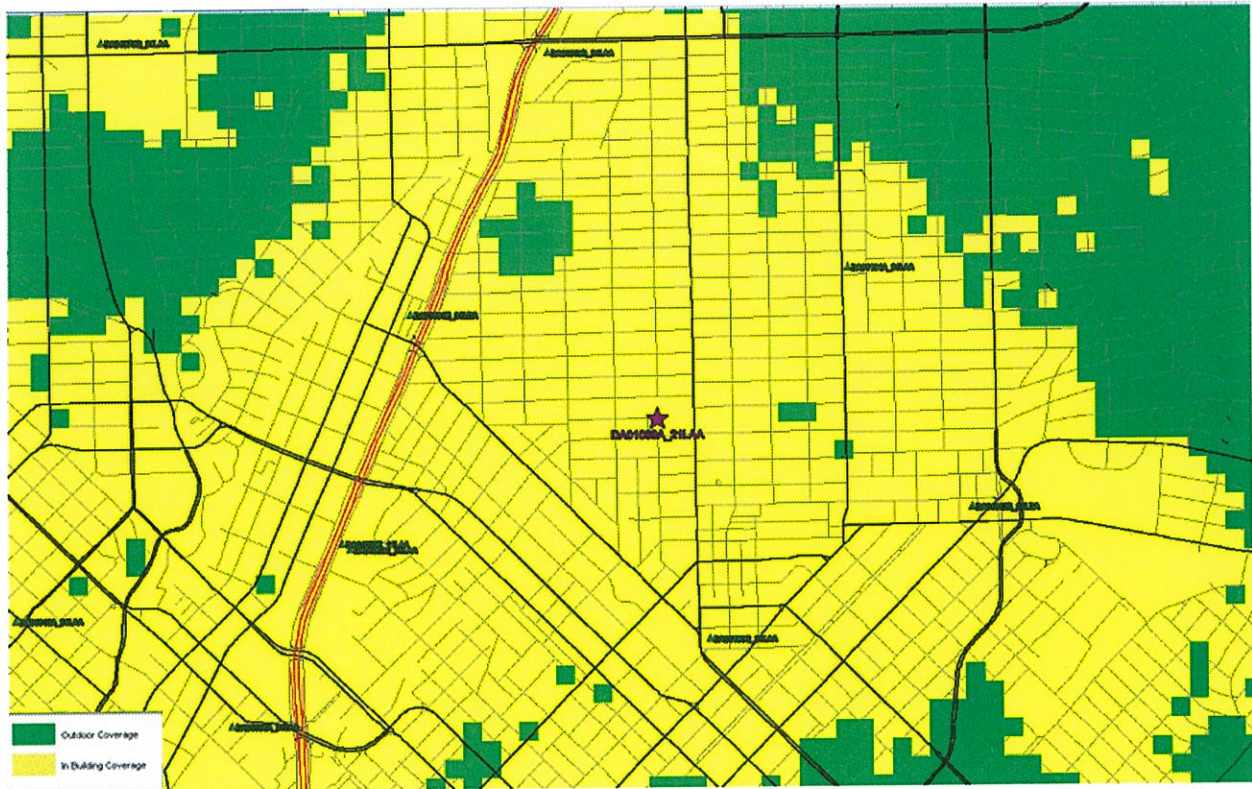




**EXHIBIT D**

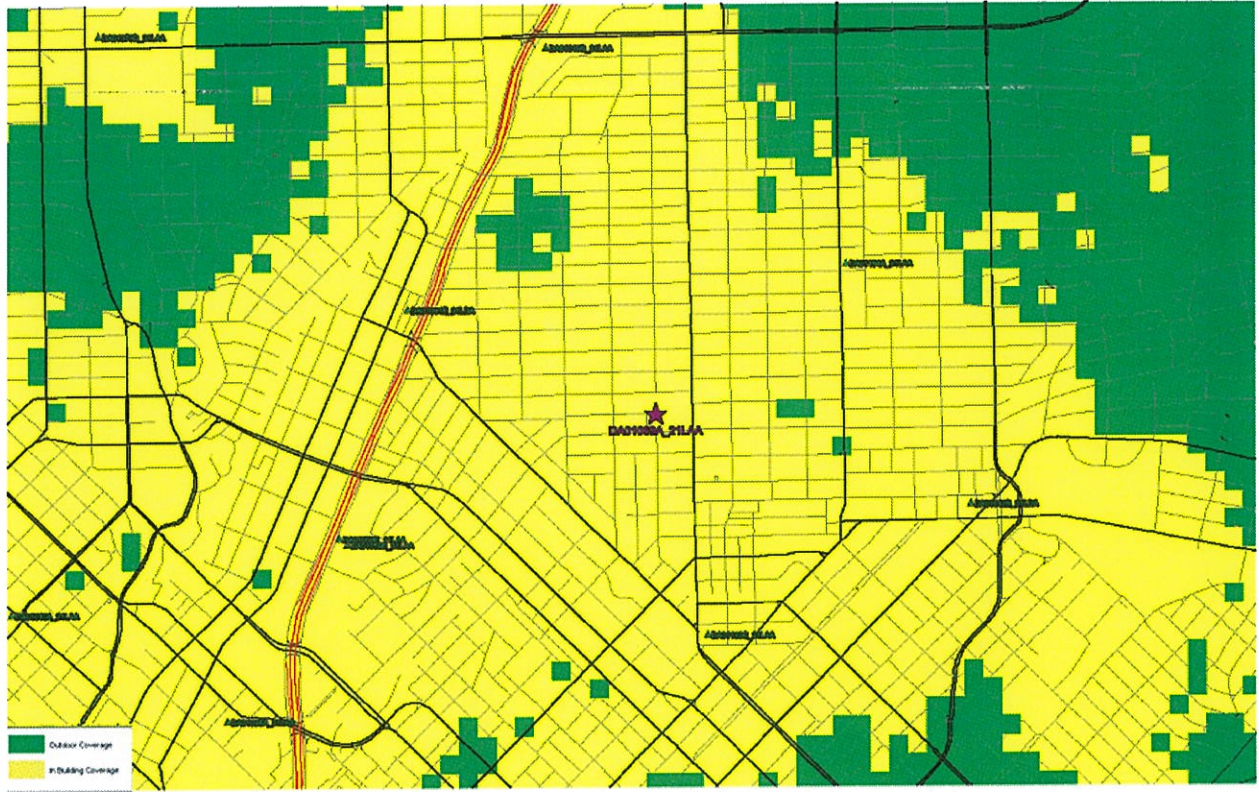
**To Affidavit of Mauricio Martinez**

*See attached Propagation Map with Stealth Monopole Proposed Tower and Antennas at 75' and 85'*





Vickery Tower  
T-Mobile RF Affidavit



**EXHIBIT E**

**To Affidavit of [name of T-Mobile RF Engineer]**

*See attached FCC Antenna Structure Registrations Study Results*

Antenna Structure Registration

Home > ASR > Antenna Structure > ASR Search

ASR Registration Search  
Registration Search Results

New Search Refine Search Printable Page Quick Download Map Results

| Registration Number | Status      | File Number | Owner Name                           | Latitude/Longitude          | Structure City/State | Overall Height Above Ground (AGL) | RF Justification for not Using candidates  |
|---------------------|-------------|-------------|--------------------------------------|-----------------------------|----------------------|-----------------------------------|--|
| 100381              | Terminated  | A0464943    | NEW CINGULAR WIRELESS SERVICES, INC. | 32-48-31.0N<br>096-46-14.0W | DALLAS, TX           | 19.6                              | N/A  |
| 128742              | Constructed | A0860155    | St. Charles Tower, Inc.              | 32-49-57.0N<br>096-46-13.1W | Dallas, TX           | 11.0                              | Location could not meet the desired RF Objective for VICKERY_TOWERS_TEMP Search Ring |
| 129425              | Granted     | A0923432    | St. Charles Tower                    | 32-49-56.1N<br>096-46-13.4W | Dallas, TX           | 10.4                              | Location could not meet the desired RF Objective for VICKERY_TOWERS_TEMP Search Ring |