

July 5, 2016

VIA EMAIL

Ms. Melanie A. Bachman  
Acting Executive Director  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, CT 06051

RE: T-Mobile Northeast LLC – CTFF702F  
Tower Share Application  
Old Stagecoach Road/Aspen Ledges Road (a/k/a 320 Old Stagecoach Road)  
LAT: 41.330308 N  
LNG: -73.516819 W

Dear Ms. Bachman:

This letter and attachments are submitted on behalf of T-Mobile Northeast LLC (“T-Mobile”). T-Mobile plans to install antennas and related equipment at the Homeland Towers/InSite Towers site located at Old Stagecoach Road/Aspen Ledges Road in Ridgefield, CT.

T-Mobile will install six (6) 700/1900/2100 MHz antennas and six (6) RRH’s at the 126’ level of the existing 150’ monopole. One (1) hybrid cable will also be installed inside the monopole. T-Mobile’s equipment cabinets will be placed on a 10’ x 20’ concrete pad within the existing fenced equipment compound. Included are plans prepared by All-Points Technology Corporation dated April 27, 2016, depicting the planned changes and attached as **Exhibit A**. Also included is a structural analysis prepared by Infinigy dated May 13, 2016 confirming that the existing tower is structurally capable of supporting T-Mobile’s equipment and attached as **Exhibit B**.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies 16-50aa, of T-Mobile’s intent to share a telecommunications facility pursuant to R.C.S.A. 16-50j-88. In accordance with R.C.S.A., a copy of this letter is being sent to Rudy Marconi, First Selectman, as well as the property/tower owner, InSite Towers Development, LLC. Also, please see the attached letter from InSite Towers authorizing the proposed shared use of the facility attached as **Exhibit C**.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. 16-50j-89.

1. The proposed modifications will not result in an increase in the height of the existing structure. The top of the monopole is approximately 150’ AGL; T-Mobile’s proposed antennas will be located at a centerline height of 126’ AGL.

2. The proposed modifications will not require the extension of the site boundary as depicted on the attached site plan. T-Mobile's equipment will be located entirely within the existing compound area.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria. The incremental effect of the proposed changes will be negligible.
4. The operation of the proposed antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard. As indicated in the attached power density calculations, T-Mobile's operations at the site will result in a power density of 3.02%; the combined site operations will result in a total power density of 23.16% as evidenced by the power density calculations attached as **Exhibit D**.
5. The proposed equipment will not cause a change or alteration in the physical or environmental characteristics of the site. Please see the Programmatic Agreement Letter from InSite Towers dated June 7, 2016 attached as **Exhibit E**.

Connecticut General Statutes 16-50aa indicates that the Council must approve the shared use of a telecommunications facility provided it finds the shared use is technically, legally, environmentally and economically feasible and meets the public safety concerns. As demonstrated in this letter, T-Mobile respectfully submits that the shared use of this facility satisfies these criteria:

- A. Technical Feasibility. The existing monopole has been deemed to be structural capable of supporting T-Mobile's proposed loading. The structural analysis is included as **Exhibit B**.
- B. Legal Feasibility. As referenced above, C.G.S. 16-50aa has been authorized to issue orders approving the shared use of an existing tower such as this monopole in Ridgefield. Under the authority granted to the Council, an order of the Council approving the requested shared use would permit T-Mobile to obtain a building permit for the proposed installation. Further, a letter of authorization from the tower owner is included as **Exhibit C** authorizing T-Mobile to file this application for shared use.
- C. Environmental Feasibility. The proposed shared use of this facility would have a minimal environmental effect. The installation of T-Mobile's equipment at 126' AGL on the existing 150' monopole would have an insignificant visual impact on the area around the tower. T-Mobile's ground equipment would be installed within the existing fenced compound. Therefore, T-Mobile's shared use would not cause any significant alteration in the physical or environmental characteristics of the existing site. Additionally, as evidenced by **Exhibit D**, the proposed antennas will not increase radio frequency emissions to a level at or above the Federal Communications Commission safety standard.
- D. Economic Feasibility. T-Mobile will be entering into an agreement with the owner of this facility under mutually agreeable terms. As previously

mentioned, a letter of authorization has been provided by the tower owner to assist T-Mobile with this tower share application.

- E. Public Safety Concerns. As discussed above, the monopole is structurally capable of supporting T-Mobile's proposed loading on the tower. T-Mobile is not aware of any public safety concerns relative to the proposed sharing of the existing monopole. T-Mobile's intent to provide new and improved wireless service through the shared use of this facility is expected to enhance the safety and welfare of residents and individuals traveling through the Town of Ridgefield.

Respectfully submitted,

By:   
Eric Dahl, Agent for T-Mobile  
[edahl@comcast.net](mailto:edahl@comcast.net)  
860-227-1975

Attachments

cc: Rudy Marconi, First Selectman, Town of Ridgefield  
InSite Towers Development, LLC - as property and tower owner  
Homeland Towers