

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:

A PETITION OF T-MOBILE NORTHEAST LLC : PETITION NO. _____
FOR A DECLARATORY RULING ON THE NEED :
TO OBTAIN A SITING COUNCIL CERTIFICATE :
FOR THE INSTALLATION OF A ROOFTOP :
WIRELESS TELECOMMUNICATIONS :
FACILITY AT 1201 BOSTON POST ROAD, :
MILFORD, CONNECTICUT : JULY 11, 2016

PETITION FOR A DECLARATORY RULING:
INSTALLATION HAVING NO
SUBSTANTIAL ADVERSE ENVIRONMENTAL EFFECT

I. Introduction

Pursuant to Sections 16-50j-38 and 16-50j-39 of the Regulations of Connecticut State Agencies ("R.C.S.A."), T-Mobile Northeast LLC ("T-Mobile") hereby petitions the Connecticut Siting Council (the "Council") for a declaratory ruling ("Petition") that no Certificate of Environmental Compatibility and Public Need ("Certificate") is required under Section 16-50k(a) of the Connecticut General Statutes ("C.G.S") to install additional telecommunications equipment on the roof of the Connecticut Post Mall located at 1201 Boston Post Road in Milford, Connecticut (the "Property"). The Property is owned by Connecticut Post Limited Partnership. T-Mobile has designated this site as its "Milford/I-95/RT-1" facility.

II. Factual Background

The Property is comprised of a shopping mall on a 74.86-acre parcel located in Milford's SCD zone. The Property is surrounded by commercial uses to the northwest along Boston Post Road, commercial uses to the northeast along E. Town Road, and interstate I-95 to the south.

T-Mobile is licensed to provide wireless telecommunications services in the 700 MHz, 1950 MHz and 2100MHz frequency ranges in Milford and throughout the State of Connecticut. The existing Milford/I-95/RT-1 facility provides GSM and UMTS wireless service in T-Mobile's 1950 and 2100 MHz frequency ranges. The proposed modifications will allow T-Mobile to provide LTE service in the 700 MHz frequency range as well.

III. Proposed Milford/I-95/RT-1 Modifications

T-Mobile currently maintains three (3) panel antennas on an existing antenna pipe mast and radio equipment cabinets on a steel platform on the lower roof of the building. The proposed equipment will include the installation of three (3) panel antennas (Model AIR 21 B4A B12P) and three (3) remote radio heads ("RRHs") (Model RRUS11 B12) on a new antenna mast mounted to an existing steel frame on the lower roof of the building. The new antennas and mast will extend to a height approximately 18'-8" above the roof, approximately 45' above ground level. Additionally, T-Mobile will install one (1) flush-mounted panel antenna (Model AIR 21 B4A B12P) to the side of the upper roof approximately 44'-8" above ground level. (See T-Mobile's Project Plans included in Attachment 1). Specifications for the new antennas and RRHs are included in Attachment 2.

IV. Discussion

A. The Proposed Facility Modifications Will Not Have A Substantial Adverse Environmental Effect

The Public Utility Environmental Standards Act (the "Act"), C.G.S. 16-50g et seq., provides for the orderly and environmentally compatible development of telecommunications towers in the state to avoid "a significant impact on the environmental and ecology of the State of Connecticut." C.G.S. 16-50g. To achieve these goals, the Act established the Council, and requires a Certificate of Environmental Compatibility and Public Need for the construction of cellular telecommunications towers "that may, as determined by the council, have a substantial adverse effect." C.G.S. 16-50k(a).

1. Physical Environmental Effects

T-Mobile respectfully submits that the installation of an additional antenna pipe mast on the lower roof of the building supporting three (3) panel antennas and three (3) RRHs, and the placement of one (1) flush-mounted antenna to the side of the upper roof of the building, will not involve a significant alteration in the physical and environmental characteristics of the Property.

2. Visual Effects

The installation of an additional antenna mast, antennas and RRHs on the roof of the existing mall building at the Property would have minimal visual effects on the Property and the surrounding area. (See Photo-Simulations prepared by Tectonic Engineering ("Visual Assessment") included in Attachment 3). As concluded in the Visual Assessment, the visibility of the proposed additional rooftop equipment described above is limited to nearby locations surrounding the Property and would have no adverse effect on existing views.

3. FCC Compliance

Radio frequency (RF") emissions from the proposed installation will be well below the standards adopted by the Federal Communications Commission ("FCC"). Included in Attachment 4 is a Radio Frequency Emissions Analysis Report, which demonstrates that T-Mobile's Milford/I-95/RT-1 facility will operate well within the FCC safety standard (56.20% of the Standard).

4. FAA Summary Report

Included in Attachment 5 is a TOWAIR Determination report ("TOWAIR") verifying that the antenna mast and antennas at the Property would not constitute an obstruction or hazard to air navigation and that notification to the FAA is not required.

B. Notice to the Town, Property Owner and Abutting Landowners

On July 11, 2016, a copy of this Petition was sent to Milford's Mayor Benjamin G. Blake and to Connecticut Post Limited Partnership, the Property owner. Copies of the letters sent to Mayor Blake and the Property owner are included in Attachment 6. A copy of T-Mobile's Petition was also sent to the owners of land that abuts the Property. A sample abutter's letter, and the list of those abutting landowners who were sent notice of the filing of the Petition are included in Attachment 7.

V. Conclusion

Based on the information provided above, T-Mobile respectfully requests that the Council issue a determination in the form of a declaratory ruling that the installation of an approximately 18'-8" tall antenna mast on the lower roof of the building supporting panel antennas and RRHs, and an antenna flush-mounted to the side of the upper roof of the building, will not have a substantial adverse effect and does not require the issuance of a Certificate of Environmental Compatibility and Public Need pursuant to 16-50k of the General Statutes.

Respectfully submitted

T-MOBILE NORTHEAST LLC

By: 

Eric Dahl

Vertical Development, LLC

Agent for T-Mobile Northeast LLC

(860) 227-1975

edahl@comcast.net

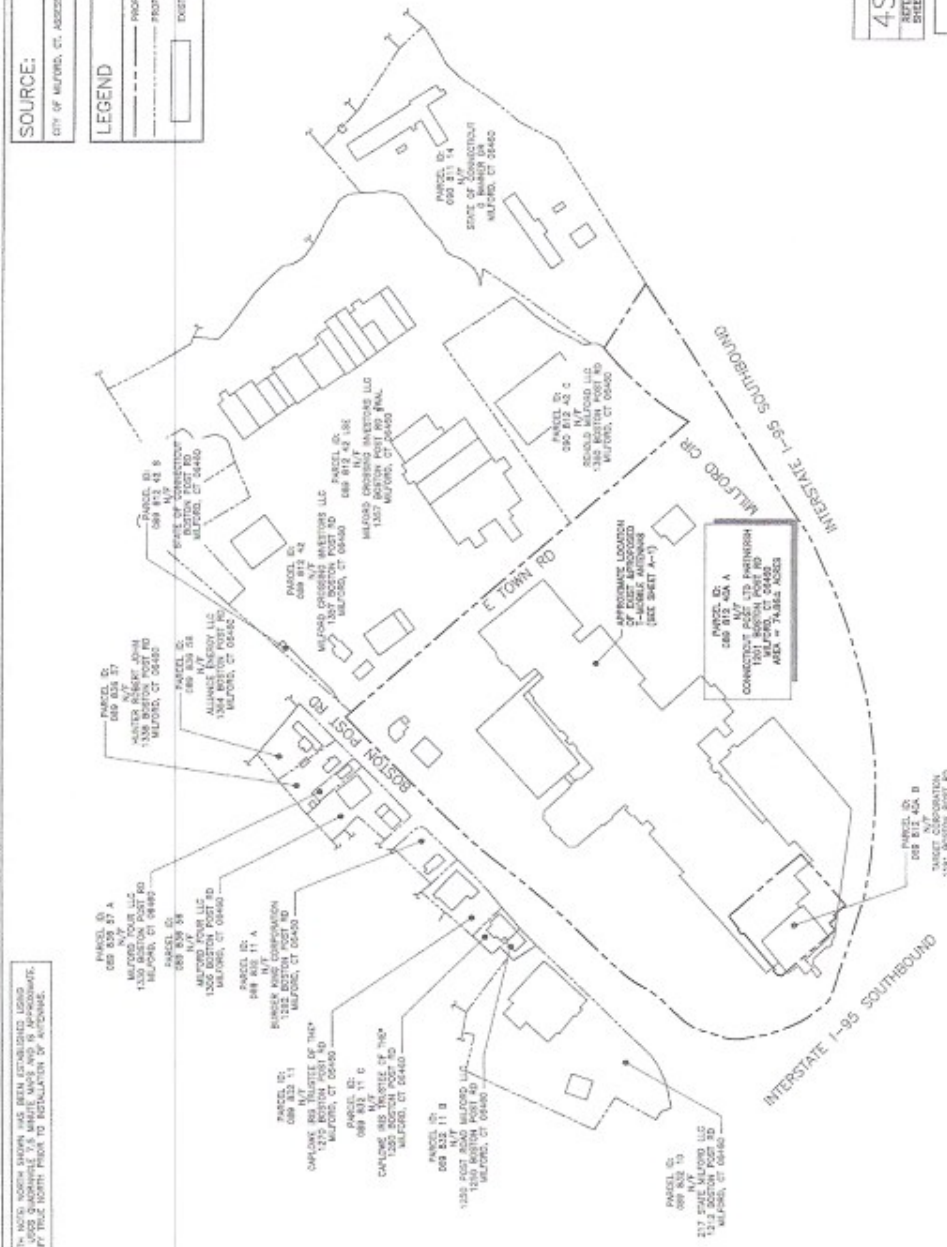
ATTACHMENT 1

SOUTH, NORTH, NORTH ARROW HAS BEEN ESTABLISHED USING THE STATE PLAT MAP AND THE STATE PLAT MAP. THE STATE PLAT MAP IS THE AUTHORITY FOR THE LOCATION OF THE NORTH ARROW.



SOURCE:
CITY OF MILFORD, CT, ACCESSORS MAP AND GIS ONLINE MAP.

LEGEND
 - - - - - PROPERTY LINE-SUBJECT PARCEL
 - - - - - PROPERTY LINE-ADJUTERS
 [] EXISTING BUILDING



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 PROJECT SOLUTIONS, Engineering Service
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Mobile
 INVESTMENTS, LLC
 35 BRIFFEN ROAD SOUTH
 BLOOMFIELD, CT 06002

VERTICAL
 ENGINEERING & ARCHITECTURE

PROJECT INFORMATION

| | | | |
|--------------|-------------|--------------|--------------|
| LANDING | PROJECT NO. | PROJECT NAME | PROJECT DATE |
| CONSTRUCTION | 10000000 | MILFORD | 01/2010 |
| OPERATIONS | | | |

REVISIONS

| NO. | DATE | DESCRIPTION | BY | CHK |
|-----|----------|------------------|----|-----|
| 1 | 11/17/10 | ISSUE FOR PERMIT | MM | MM |
| 2 | 12/23/10 | ISSUE FOR PERMIT | MM | MM |
| 3 | 01/20/11 | ISSUE FOR PERMIT | MM | MM |

SCALE
 1" = 20'

CT110022A
 MILFORD/1-95/RT-1
 1201 BOSTON POST RD.
 MILFORD, CT 06460

ABUTTERS PLAN

SHEET NUMBER
 C-1

CONTRACT NO.
4Sec-702Cc

REVISIONS
 SHEET 10/10/10 - MOBILE BY ORAL
 SHEET FOR FINAL BY DESIGN & BROWNE



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ABUTTERS PLAN
 SCALE: 1" = 20'

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 www.tectonicsengineering.com

Mobile
 MOBILEMOUNTING, LLC.
 35 GRIFFIN ROAD SOUTH
 BLOOMFIELD, CT 06002

VERTICAL
 ENGINEERING & ARCHITECTURE

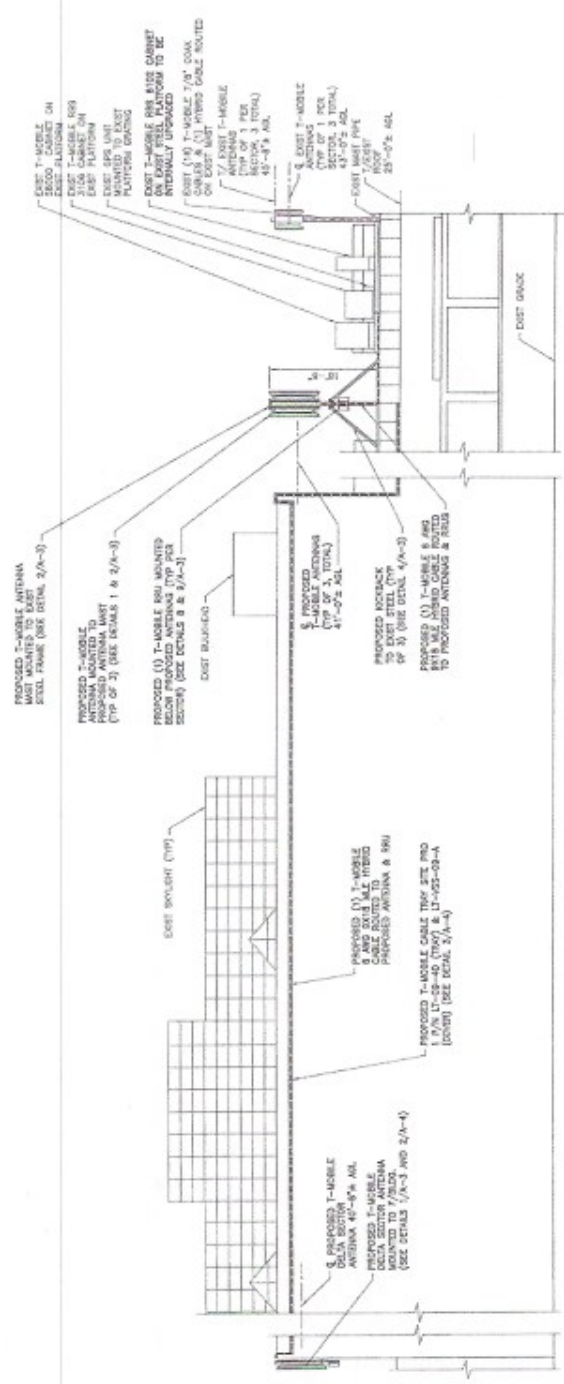
PROJECT NO. _____
 CONTRACTOR _____
 OPERATIONS _____
 SITE NO. _____

| NO. | DESCRIPTION | DATE |
|-----|------------------|----------|
| 1 | ISSUE FOR PERMIT | 08/11/10 |
| 2 | ISSUE FOR PERMIT | 08/11/10 |
| 3 | ISSUE FOR PERMIT | 08/11/10 |
| 4 | ISSUE FOR PERMIT | 08/11/10 |
| 5 | ISSUE FOR PERMIT | 08/11/10 |
| 6 | ISSUE FOR PERMIT | 08/11/10 |
| 7 | ISSUE FOR PERMIT | 08/11/10 |
| 8 | ISSUE FOR PERMIT | 08/11/10 |
| 9 | ISSUE FOR PERMIT | 08/11/10 |
| 10 | ISSUE FOR PERMIT | 08/11/10 |

SCALE: 1/8" = 1'-0"
 DATE: 08/11/10

CT11002A
 MILFORD/1-95/RT-1
 1201 BOSTON POST RD.
 MILFORD, CT 06460

ELEVATION
 SHEET NUMBER
 A-2



NOTE: NOT ALL ROOF FEATURES ARE SHOWN FOR CLARITY.

ELEVATION
 SCALE: 1/8" = 1'-0"

COMPARISON
4Sec-702Cc
 REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF SIGNAL & DEN.



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 www.tectonicdetailing.com

Mobile
 NORTHWEST, LLC
 35 GRIFFIN ROAD SOUTH
 BLOOMFIELD, CT 06019

VERTICAL
 ARCHITECTURE & INTERIORS

PROJECT: **MOBILE**

DATE: **03/11/13**

BY: **CTI**

FOR: **CONSTRUCTION**

OWNER: **MOBILE**

DATE: **03/11/13**

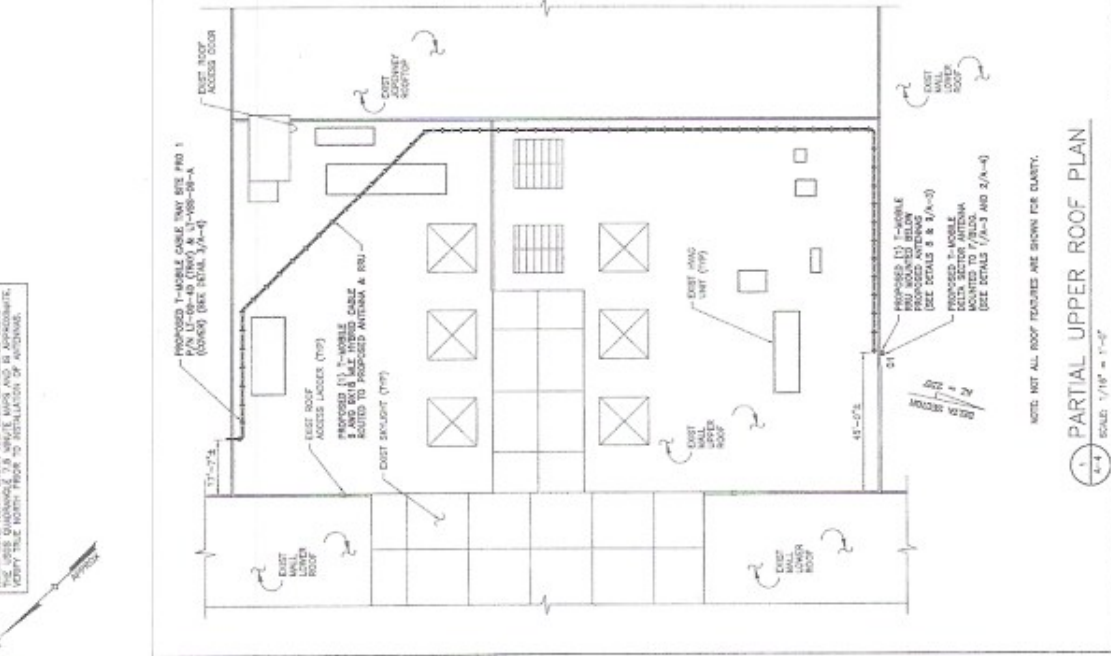
| | | |
|-----|-------------------------|----------|
| NO. | DESCRIPTION | DATE |
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| 2 | ISSUED FOR CONSTRUCTION | 03/11/13 |
| 3 | ISSUED FOR CONSTRUCTION | 03/11/13 |
| 4 | ISSUED FOR CONSTRUCTION | 03/11/13 |
| 5 | ISSUED FOR CONSTRUCTION | 03/11/13 |

SCALE: **1/8" = 1'-0"**

CTI 1002A
 MILFORD/1-95/RT-1
 1201 BOSTON POST RD.
 MILFORD, CT 06460

**PARTIAL UPPER ROOF
 PLAN & DETAILS**

SCALE: **1/8" = 1'-0"**



4Sec-702Cc
 REFER TO LATEST T-MOBILE WF DATA SHEET FOR FINAL RF DESIGN & SWM.



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CABLE TRAY DETAIL

SCALE: **N.T.S.**

NOTES:
 1. SUPPORT CABLE TRAY WITH 4x4 PVC BUSHINGS ON 1/2" DOWEL SCREWS 8'-0" O.C.
 2. CABLE TRAY WITH 4x4 PVC BUSHINGS ON 1/2" DOWEL SCREWS 8'-0" O.C.

ATTACHMENT 2

6FT, AWS ACTIVE

AIR 21 B4A/B12P-B8P, 6 FT (KRC 118 056/1)



> Frequency bands:

- AWS (1700/2100 MHz) active 2TX/4RX dual X-pol arrays side by side
- 698 MHz - 960 MHz passive single X-pol.

> IBW (active part) = 20 MHz

> Gain (active/passive): 18/15.5 dB (14.9 on A block)

> Horiz. beamwidth (active/passive): 65°/68°

> Vertical beamwidth (active/passive): 7°/11°

> Integrated RET (AISG 2.0)

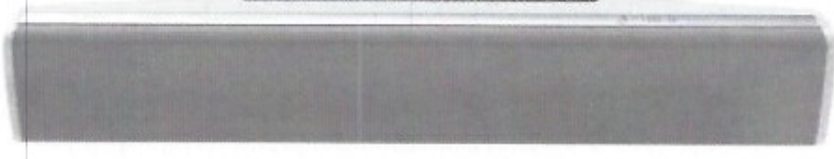
> Interfaces

- Two optical fiber ports (CPRI) for active antenna/radio
- One power connector, -48 V DC
- Two 7/16 female connectors for passive antenna, with RET support

> Dimensions (H x W x D): 6.5' x 14.8" x 9.5"

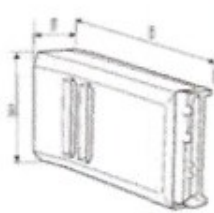
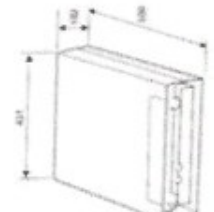
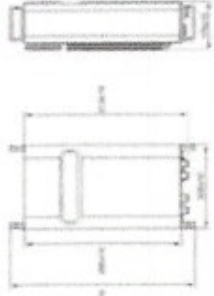
> Weight: ~135 lbs

> Wind load: TBD



PRELIMINARY

Dimension Comparison RRUS01, RRUS11 and RRUS32

| Mechanical (with Solar Shield and Handle) | RRUS01 | RRUS11 | RRUS32 |
|--|---|---|---|
| |  |  |  |
| Weight | 20 Kg (= 44.1 lbs) | 23 Kg (= 50.7 lbs) | 24 Kg (= 52.9 lbs) |
| Dimensions (H x W x D) | 636 x 383 x 169 mm (=25.0" x 15.1" x 6.7") | 500 x 431 x 182 mm (=19.7" x 17.0" x 7.2") | 690 x 306 x 178 mm (=27.1" x 12.0" x 7.0") |

ATTACHMENT 3



PHOTO
LOG
7964.CT11002A

Milford/I-95/RT-1
1201 Boston Post Road
Milford, Connecticut

TECTONIC
Practical Solutions, Exceptional Service



Looking northwest from the southeast parking lot near Milford Circle.
Proposed mast mounted installation will be visible from this location.

Distance from the photographic location to the proposed site is 800'±

TECTONIC
Practical Solutions. Exceptional Service

P-1

7964.CT11002A



Looking northwest from the southeast parking lot near Milford Circle.
Proposed mast mounted installation is visible from this location.

Distance from the photographic location to the proposed site is 800'±

TECTONIC

Practical Solutions, Exceptional Service

S-1

7964.CT11002A



Looking north from the south parking lot near Milford Circle.
Proposed mast mounted installation will be visible from this location.

Distance from the photographic location to the proposed site is 900'±

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P-2

7964.CT11002A



TECTONIC

Practical Solutions, Exceptional Service

Looking north from the south parking lot near Milford Circle.
Proposed mast mounted installation is visible from this location.

Distance from the photographic location to the proposed site is 900'±

S-2

7964.CT11002A



Looking northeast from the southwest parking garage off of Milford Circle.
Proposed wall mounted installation will be visible from this location.

Distance from the photographic location to the proposed site is 575'±

P-3

7964.CT11002A

TECTONIC

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Looking northeast from the southwest parking garage off of Milford Circle.
Proposed wall mounted installation is visible from this location.

Distance from the photographic location to the proposed site is 575'±

TECTONIC

Practical Solutions, Exceptional Service

S-3

7964.CT11002A



Looking southwest from north parking lot near East Town Road.
Proposed installations will not be visible from this location.

Distance from the photographic location to the proposed site is 1,070'±

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Practical Solutions, Exceptional Service

P-4
7964.CT11002A

ATTACHMENT 4

RADIO FREQUENCY EMISSIONS ANALYSIS REPORT

T-Mobile Proposed Facility




Site ID: CT11002A

Milford / I-95 /Rt. 1

1201 Boston Post Road, Milford, Connecticut 06460

March 8, 2016

EBI Project Number:
6216001365

| Status: | Compliant | |
|--|---|--|
| Recommended Signage | | |
| Sign Count | Sign Type | |
| 2 |  | |
| 2 |  | |
|  | | |
| Remarks: See attached signage plan. No additional mitigation is required. | | |

March 8, 2016

Attn: Dan West
35 Griffin Road
Bloomfield, CT 06002

Emissions Values for Site: CT11002A

Maximum Composite Emissions Value: **56.2000%** of the FCC's general public limit (**11.24%** of the FCC's occupational limit). The **Proposed** site is in compliance with Federal regulations regarding (radio frequency) RF Emissions.

EBI Consulting was directed to analyze the Proposed T-Mobile rooftop facility located at 1201 Boston Post Road in Milford, Connecticut for the purpose of determining whether the emissions from the Proposed T-Mobile Antenna Installation located on this property are within specified federal limits. This report contains a detailed summary of the RF EME analysis for the site.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01 and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The number of $\mu\text{W}/\text{cm}^2$ calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) – (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

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, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The general population exposure limit for the 700 and 800 MHz Bands is $467 \mu\text{W}/\text{cm}^2$ and $567 \mu\text{W}/\text{cm}^2$ respectively, and the general population exposure limit for the PCS and AWS bands is $1000 \mu\text{W}/\text{cm}^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

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.

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were done for the Proposed T-Mobile Wireless antenna rooftop facility located at 1201 Boston Post Road in Milford, Connecticut using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Because of the short wavelength of PCS services, the antennas require line-of-site paths for good propagation, and are typically installed a distance above ground level. Antennas are constructed to concentrate energy towards the horizon, with as little energy as possible scattered towards the ground or the sky. This design, combined with the low power of PCS facilities, generally results in no possibility for exposure to approach Maximum Permissible Exposure (MPE) levels, with the exception of in areas in the immediate vicinity of the antennas.

For all calculations, equipment was calculated using the following assumptions:

- 1) 2 GSM / UMTS channels (PCS Band – 1950 MHz) were considered for each sector of the Proposed installation. The transmit power for these channels is 30 watts per channel.
- 2) 2 UMTS channels (AWS Band – 2100 MHz) were considered for each sector of the Proposed installation. The transmit power for these channels is 30 watts per channel.
- 3) 2 LTE channels (AWS Band – 2100 MHz) were considered for each sector of the Proposed installation. The transmit power for these channels is 60 watts per channel.
- 4) 1 LTE channel (700 MHz Band) was considered for each sector of the Proposed installation. The transmit power for this channel is 30 watts.
- 5) All radios at the Proposed installation were considered to be running at full power and were uncombined in their RF transmissions paths per carrier prescribed configuration. Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the Proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.
- 6) EBI has performed theoretical worst case modeling using Roofview® to estimate the maximum potential power density from each antenna based on worst-case assumptions for the number of antennas and power.
- 7) The Data for all T-Mobile antennas used in this analysis is shown below in Table I. Actual antenna gains for each antenna were used per manufacturer's specifications.

8) There are no additional carriers located on this facility.

All calculations were done with respect to uncontrolled / general public threshold limits.

T-Mobile Site Inventory and Power Values

| Antenna Number | Sector | Antenna Make | Antenna Model | Height (ft) Above Nearest Walking Surface | Frequency Band | Technology | Power Per Channel | Azimuth | Number of Channels |
|----------------|--------|--------------|--------------------|---|----------------|------------|-------------------|---------|--------------------|
| 1 | A | Ericsson | AIR21 B2A/B4P | 15.7 | PCS - 1950 MHz | GSM/UMTS | 30 | 75 | 2 |
| 1 | A | Ericsson | AIR21 B2A/B4P | 15.7 | AWS - 2100 MHz | UMTS | 30 | 75 | 2 |
| 2 | A | Ericsson | AIR 21 B4A/B12-B5P | 12.4 | AWS - 2100 MHz | LTE | 60 | 75 | 2 |
| 2 | A | Ericsson | AIR 21 B4A/B12-B5P | 12.4 | 700 MHz | LTE | 30 | 75 | 1 |
| 1 | B | Ericsson | AIR21 B2A/B4P | 15.7 | PCS - 1950 MHz | GSM/UMTS | 30 | 190 | 2 |
| 1 | B | Ericsson | AIR21 B2A/B4P | 15.7 | AWS - 2100 MHz | UMTS | 30 | 190 | 2 |
| 2 | B | Ericsson | AIR 21 B4A/B12-B5P | 12.4 | AWS - 2100 MHz | LTE | 60 | 190 | 2 |
| 2 | B | Ericsson | AIR 21 B4A/B12-B5P | 12.4 | 700 MHz | LTE | 30 | 190 | 1 |
| 1 | C | Ericsson | AIR21 B2A/B4P | 15.7 | PCS - 1950 MHz | GSM/UMTS | 30 | 320 | 2 |
| 1 | C | Ericsson | AIR21 B2A/B4P | 15.7 | AWS - 2100 MHz | UMTS | 30 | 320 | 2 |
| 2 | C | Ericsson | AIR 21 B4A/B12-B5P | 12.4 | AWS - 2100 MHz | LTE | 60 | 320 | 2 |
| 2 | C | Ericsson | AIR 21 B4A/B12-B5P | 12.4 | 700 MHz | LTE | 30 | 320 | 1 |
| 1 | D | Ericsson | AIR 21 B4A/B12-B5P | 11.7 | AWS - 2100 MHz | LTE | 60 | 250 | 2 |
| 1 | D | Ericsson | AIR 21 B4A/B12-B5P | 11.7 | 700 MHz | LTE | 30 | 250 | 1 |

Table 1: T-Mobile Site Inventory and Power Value

| Additional Carriers Located on Site | |
|-------------------------------------|--|
| Carrier | MPE % |
| | No additional carriers are located onsite. |

Table 2: Additional Carrier Inventory and Emissions Levels



Summary

All calculations performed for this analysis yielded results that were within the allowable limits for exposure to RF Emissions. Based on predictive modeling, there are no modeled exposures on any accessible main roof level-level walking/working surface related to T-Mobile's equipment in the area that exceed the FCC's occupational and/or general public exposure limits at this site. T-Mobile can bring this site into compliance by posting the recommended signage per this report.

The anticipated maximum contribution from each sector of the T-Mobile facility is 56.2000% of the allowable FCC established general public limit (11.2400% of the FCC occupational limit). This was determined through calculations along a radial from each sector taking full power values into account as well as actual vertical plane antenna gain values per the manufacturers supplied specifications for gain.

The anticipated maximum composite MPE value for this site is 56.2000% of the allowable FCC established general public limit (11.2400% of the FCC occupational limit). This is based upon worst case modeling performed on the rooftop taking emissions contributions from all carriers present into account. This value will determine whether the site itself is in compliance with regards to electromagnetic emissions or whether mitigation solutions may be required to bring the site into compliance.

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were within the allowable 100% threshold standard per the federal government.

EBI's modeling indicates that there are no areas on the walking/working surfaces at the rooftop or ground level in front of the T-Mobile antennas that may exceed the FCC standards for general population and/or occupational exposure.

In order to alert any workers potentially accessing the site, a blue Notice sign and a yellow Guidelines sign are recommended for installation at the access to the rooftop as depicted on the Signage Plan – Appendix B.

REBECCA SINISGALLI
RF-EME TECHNICIAN I

EBI Consulting
21 B Street
Burlington, MA 01803

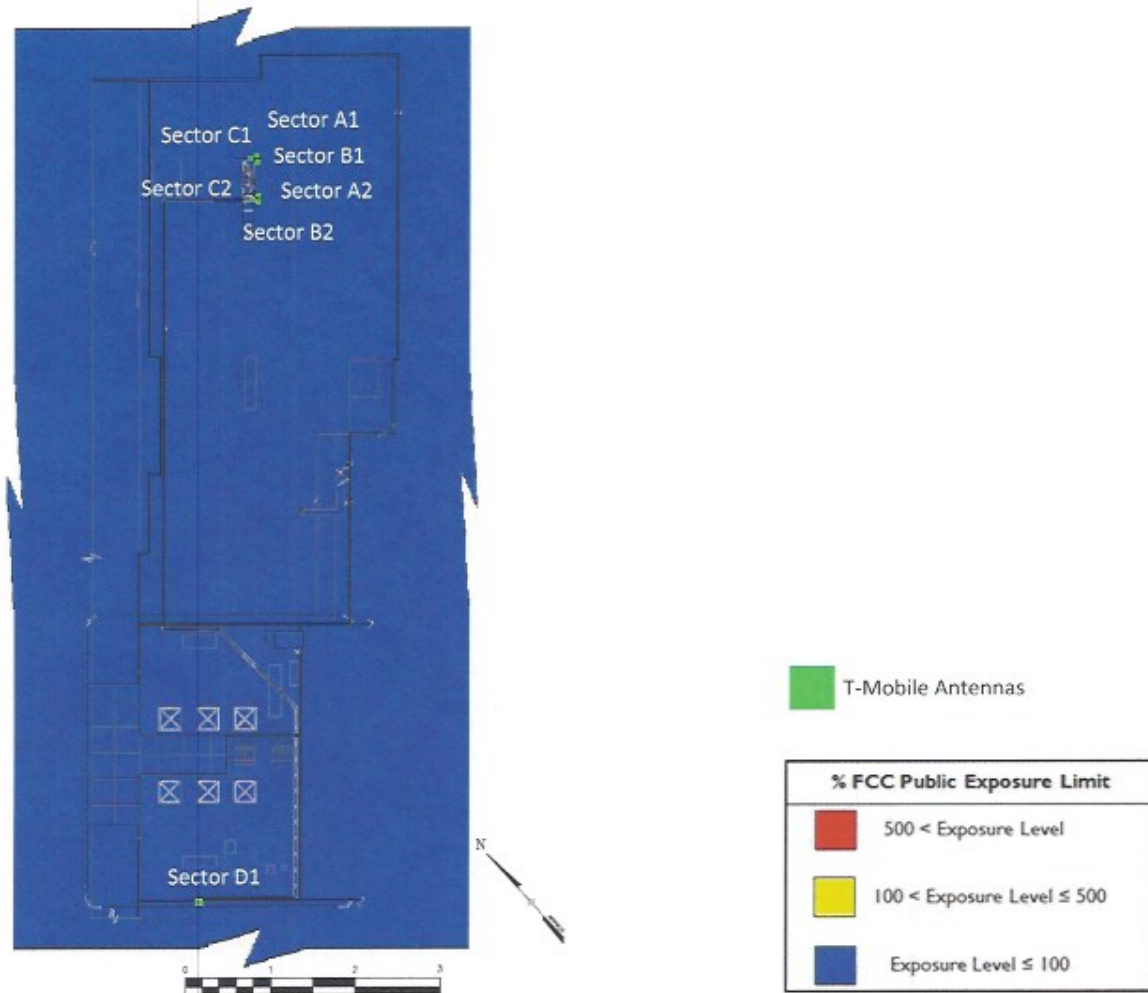




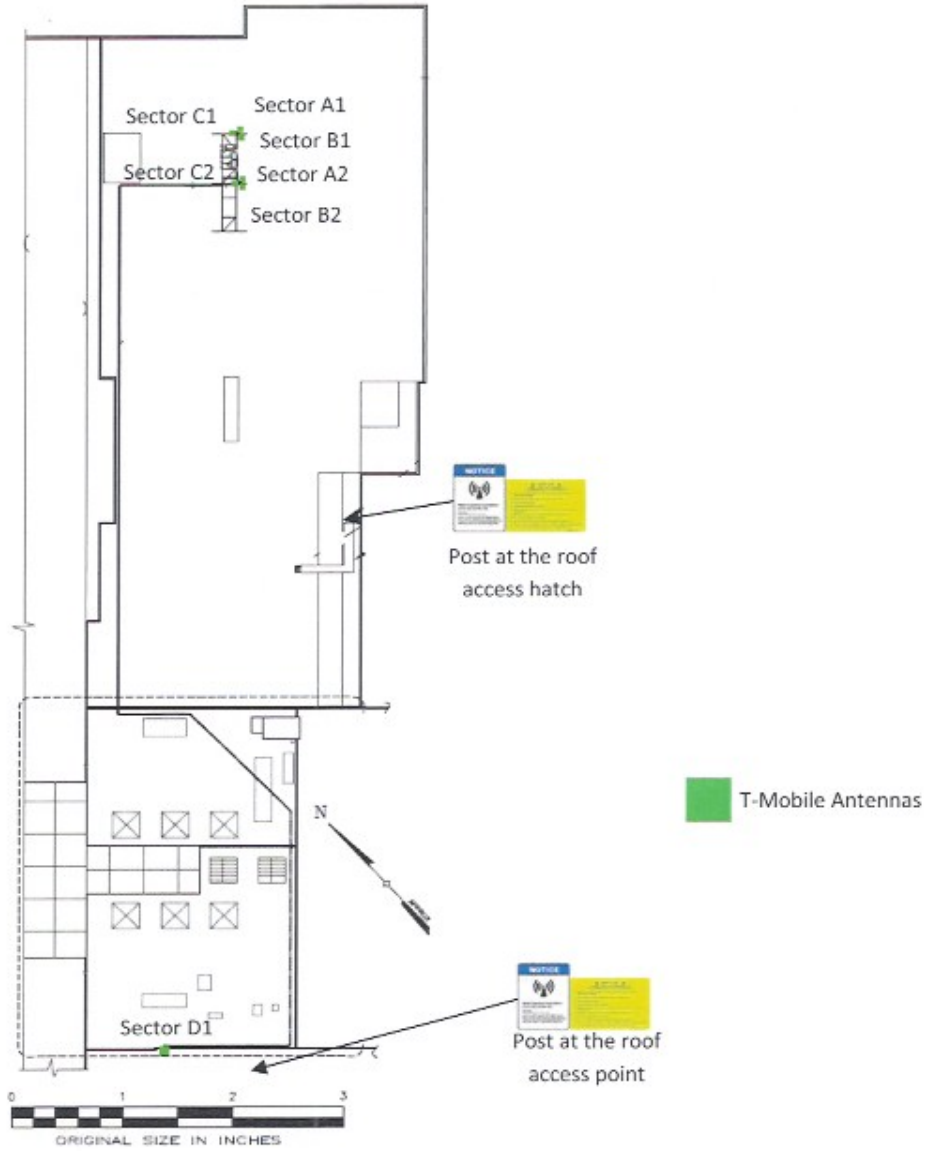
Figure 1: Walking/Working Surface Emissions Thresholds



PLAN VIEW

| | |
|----------------|---|
| Sector 1 | There are no areas that exceed either the FCC's general public or occupational thresholds exposure limits in front of the sector 1 antennas on the walking/working surface. |
| Sector 2 | There are no areas that exceed either the FCC's general public or occupational thresholds exposure limits in front of the sector 2 antennas on the walking/working surface. |
| Sector 3 | There are no areas that exceed either the FCC's general public or occupational thresholds exposure limits in front of the sector 3 antennas on the walking/working surface. |
| Sector 4 | There are no areas that exceed either the FCC's general public or occupational thresholds exposure limits in front of the sector 4 antennas on the walking/working surface. |
| Other Carriers | There are no other carrier antennas included in the modeling. |

Attachment I: Plan View – Signage Locations

| | |
|---|--|
| Status: | Compliant |
| Recommended Signage for compliance | |
| Sign Count | Sign Type |
| 2 |  |
| 2 |  |
| Notes: The Proposed site will be compliant with the installation of the mitigation measures. | |



| Sign | Description | Posting Instructions |
|---|---|--|
|  | <p>Blue Notice Sign Used to notify individuals they are entering an area where the power density emitted from transmitting antennas may exceed the FCC's MPE limit for the general public.</p> | <p>Securely post at the roof access hatch and roof access point to Sector D antennas in a manner conspicuous to all individuals entering thereon.</p> <p>Denote Site ID Number on Sign in Permanent Marker.</p> |
|  | <p>Guidelines Informational sign used to notify workers that there are active antennas installed and provide guidelines for working in RF environments.</p> | <p>Securely post adjacent to the Blue Notice sign at the roof access hatch and roof access point to Sector D antennas in a manner conspicuous to all individuals entering thereon.</p> |

ATTACHMENT 5

TOWAIR Determination Results

*** NOTICE ***

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 48 C.F.R. Section 27.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

| DETERMINATION Results | |
|--|------------------|
| Structure does not require registration. The structure meets the 6.10 meter (20-foot) Rule criteria. | |
| Your Specifications | |
| MADRS Coordinates | |
| Latitude | 41-14-11.8 north |
| Longitude | 073-03-10.4 west |
| Measurements (Meters) | |
| Overall Structure Height (AGL) | 12.5 |
| Support Structure Height (AGL) | 12.5 |
| Site Elevation (AMSL) | 6.4 |
| Structure Type | |
| B - Building | |

Tower Construction Notifications
Notify Tribes and Historic Preservation Officers of your plans to build a tower.

[CLOSE WINDOW](#)

ATTACHMENT 6



VIA USPS CERTIFIED MAIL

July 11, 2016

Benjamin G. Blake, Mayor
City of Milford
110 River Street
Milford, CT 06460

RE: Proposed Installation of Additional Wireless Telecommunications Equipment
at 1201 Boston Post Road, Milford, CT

Dear Mayor Blake:

Vertical Resources represents T-Mobile Northeast LLC ("T-Mobile"). T-Mobile currently maintains a wireless telecommunications facility on the roof of the Connecticut Post Mall located at 1201 Boston Post Road in Milford (the "Property"). Today, T-Mobile filed a Petition for Declaratory Ruling ("Petition") with the Connecticut Siting Council ("Council") seeking approval to install additional telecommunications equipment on the roof of the building at the Property. The additional equipment will include the installation of three (3) panel antennas and three (3) remote radio heads (RRHs) on a mast pipe which will extend approximately 18' - 8" above the lower roof of the building. Additionally, T-Mobile will install one (1) flush-mounted panel antenna to the side of the upper roof.

A copy of the Petition is attached for your review. Landowners whose property abuts the Property were also sent a notice of this filing along with a copy of the Petition.

Please contact me if you have any questions regarding this proposal.

Sincerely,

Eric Dahl
860-227-1975
edahl@comcast.net



VIA USPS CERTIFIED MAIL

July 11, 2016

Connecticut Post Ltd Partnership
1201 Boston Post Road
Milford, CT 06460

RE: Proposed Installation of Additional Wireless Telecommunications Equipment
at 1201 Boston Post Road, Milford, CT

To Whom It May Concern:

Vertical Resources represents T-Mobile Northeast LLC ("T-Mobile"). T-Mobile currently maintains a wireless telecommunications facility on the roof of the Connecticut Post Mall located at 1201 Boston Post Road in Milford (the "Property"). Today, T-Mobile filed a Petition for Declaratory Ruling ("Petition") with the Connecticut Siting Council ("Council") seeking approval to install additional telecommunications equipment on the roof of the building at the Property. The additional equipment will include the installation of three (3) panel antennas and three (3) remote radio heads (RRHs) on a mast pipe which will extend approximately 18' - 8" above the lower roof of the building. Additionally, T-Mobile will install one (1) flush-mounted panel antenna to the side of the upper roof.

A copy of the Petition is attached for your review. Landowners whose property abuts the Property were also sent a notice of this filing along with a copy of the Petition.

Please contact me if you have any questions regarding this proposal.

Sincerely,

Eric Dahl
860-227-1975
edahl@comcast.net

ATTACHMENT 7

| Parcel ID | Site Address | Owner Name | Mailing Address | Mailing City | Mailing State | Mailing Zip |
|----------------|--------------------------|--------------------------------|-------------------------|--------------|---------------|-----------------|
| 089-812-40A-A | 1201 BOSTON POST RD | CONNECTICUT POST LTD PARTNERSH | P O BOX 130940 | CARLSBAD | CA | 92013-0000 |
| 089-836-58 | 1354 BOSTON POST RD | ALLIANCE ENERGY LLC | 15 NORTHEAST INDUSTRIAL | BRANFORD | CT | 06405-0000 |
| 089-812-42 | 1357 BOSTON POST RD | MILFORD CROSSING INVESTORS LLC | 1720 POST ROAD | FAIRFIELD | CT | 06824-0000 |
| 089-832-11 | 1270 BOSTON POST RD | CAPLOWE IRIS TRUSTEE OF THE* | 110 WHITNEY AVE | NEW HAVEN | CT | 06510-0000 |
| 089-832-11-A | 1292 BOSTON POST RD | BURGER KING CORPORATION | P O BOX 020783 | MIAMI | FL | 33102-0783-0000 |
| 090-811-14 | 0 BANNER DR | STATE OF CONNECTICUT | P O BOX 317546 | NEWINGTON | CT | 06131-0000 |
| 089-836-57-A | 1330 BOSTON POST RD | MILFORD FOUR LLC | 460 COE AV | EAST HAVEN | CT | 06512-0000 |
| 089-836-57 | 1338 BOSTON POST RD | HUNTER ROBERT JOHN | 225 WOODRUFF RD | MILFORD | CT | 06460-0000 |
| 089-836-56 | 1306 BOSTON POST RD | MILFORD FOUR LLC | 460 COE AV | EAST HAVEN | CT | 06512-0000 |
| 090-812-42-C | 1360 EAST TOWN RD | REHOLD MILFORD LLC | P O BOX 6500 | CARLISLE | PA | 17013-6500-0000 |
| 089-812-42-LSE | 1357 BOSTON POST RD #WAL | MILFORD CROSSING INVESTORS LLC | P O BOX 8050 | BENTONVILLE | AR | 72712-8050-0000 |
| 089-812-40A-B | 1191 BOSTON POST RD | TARGET CORPORATION | P O BOX 9456 | MINNEAPOLIS | MN | 55440-9456-0000 |
| 089-812-42-S | BOSTON POST RD | STATE OF CONNECTICUT | 2800 BERLIN TURNPIKE | NEWINGTON | CT | 06131-0000 |



VIA USPS CERTIFIED MAIL

July 11, 2016

ALLIANCE ENERGY LLC
15 NORTHEAST INDUSTRIAL
BRANFORD, CT 06405- 0000
Parcel ID: 089-836-58

RE: Notice of Intent to File a Petition for Declaratory Ruling with the Connecticut Siting Council for the Installation of Additional Telecommunications Equipment at CT Post Mall - 1201 Boston Post Rd, Milford, CT 06406

Dear Sir or Madam:

Vertical Resources represents T-Mobile Northeast LLC ("T-Mobile"). T-Mobile currently maintains a wireless telecommunications facility on the roof of the Connecticut Post Mall located at 1201 Boston Post Road in Milford (the "Property"). Today, T-Mobile filed a Petition for Declaratory Ruling ("Petition") with the Connecticut Siting Council ("Council") seeking approval to install additional telecommunications equipment on the roof of the building at the Property. The additional equipment will include the installation of three (3) panel antennas and three (3) remote radio heads (RRHs) on a mast pipe which will extend approximately 18' - 8" above the lower roof of the building. Additionally, T-Mobile will install one (1) flush-mounted panel antenna to the side of the upper roof. A copy of the Petition is attached for your review

This notice is being sent to you because you are listed on the Town's Assessor's records as an owner of land that abuts the Property. If you have any questions regarding the Petition, the Council's process for reviewing the Petition or the details of the filing itself, please feel free to contact me at the number listed below. You may also contact the Council directly at 860-827-2935.

Sincerely,

Eric Dahl
860-227-1975
edahl@comcast.net