SEAT OF THE PROPERTY OF THE PR

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: siting.council@ct.gov www.ct.gov/csc

June 18, 2013

Julie D. Kohler, Esq. Cohen and Wolf, P.C. 1115 Broad Street Bridgeport, CT 06604

RE: EM-T-I

EM-T-MOBILE-052-130523 – T-Mobile Northeast LLC notice of intent to modify an existing telecommunications facility located at 200 Colt Highway, Farmington, Connecticut.

Dear Attorney Kohler:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- Any deviation from the proposed modification as specified in this notice and supporting materials with the Council shall render this acknowledgement invalid;
- Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
- Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration;

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated May 22, 2013. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

Very truly yours,

Melanie A. Bachman Acting Executive Director

MAB/CDM/jb

c: The Honorable Jeffrey Hogan, Chairman, Town of Farmington Kathleen Eagen (via e-mail service), Town Manager, Town of Farmington Jeffrey Ollendorf (via e-mail service), Town Planner, Town of Farmington WVIT Outlet Broadcasting





RACHEL A. SCHWARTZMAN

Please Reply To: Bridgeport
Writer's Direct Dial: (203) 337-4110
E-Mail: rschwartzman@cohenandwolf.com

August 27, 2014

Attorney Melanie Bachman Acting Executive Director Connecticut Siting Council Ten Franklin Square New Britain, CT 06501

Re: EM-T-MOBILE-052-130523

T-Mobile Site ID CT1134A

200 Colt Highway, Farmington, CT Notice of Construction Completion

Dear Attorney Bachman:

The Connecticut Siting Council ("Council") acknowledged the above referenced T-Mobile Northeast LLC ("T-Mobile") notice of exempt modification on June 18, 2013 . T-Mobile hereby notifies the Council that construction of the acknowledged modifications were complete as of September 17, 2013.

Please don't hesitate to contact me with any questions.

Sincerely,

Rachel A. Schwartzman

CC:

Samuel Simons, T-Mobile Mark Richard, T-Mobile Alex Giannaras, HPC Wireless Julie Kohler, Esq.



JULIE D. KOHLER

PLEASE REPLY TO: Bridgeport

WRITER'S DIRECT DIAL: (203) 337-4157 E-Mail Address: jkohler@cohenandwolf.com

May 22, 2013

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

Re: Notice of Exempt Modification

WVIT Outlet Broadcasting/T-Mobile co-location

Site ID CT11134A

200 Colt Highway, Farmington CT

Dear Attorney Bachman:

This office represents T-Mobile Northeast LLC ("T-Mobile") and has been retained to file exempt modification filings with the Connecticut Siting Council on its behalf.

In this case, WVIT Outlet Broadcasting ("WVIT") owns the existing telecommunications tower and related facility at 200 Colt Highway, Farmington Connecticut (latitude 41.70088 / longitude -72.83218). T-Mobile intends to replace three antennas and related equipment at this existing telecommunications facility in Farmington ("Farmington Facility"). Please accept this letter as notification, pursuant to R.C.S.A. § 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Town Manager Kathleen Eagen and WVIT (which is also the property owner).

The existing Farmington Facility consists of a 120 foot tall lattice tower. The facility currently supports the equipment of T-Mobile, Sprint, MetroPCS, Clearwire, and others.

T-Mobile plans to replace three antennas at an elevation of 112 feet. (See the plans revised to April 26, 2013 attached hereto as Exhibit A). T-Mobile will also replace one of its equipment cabinets within the existing compound area near the base of the structure, as well as install hybrid line and reuse existing coax cables. The existing Facility is structurally capable of supporting T-Mobile' proposed modifications, as indicated in the structural analysis dated May 9, 2013 and attached hereto as Exhibit B.

The planned modifications to the Farmington Facility fall squarely within those activities



May 22, 2013 Site ID CT11134A Page 2

explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

- 1. The proposed modification will not increase the height of the tower. T-Mobile's replacement antennas will be installed at the 112 foot level. The enclosed tower drawing confirms that the proposed modification will not increase the height of the tower.
- 2. The installation of the T-Mobile replacement equipment in the existing compound, as reflected on the attached site plan, will not require an extension of the site boundaries. T-Mobile's proposed equipment will be located entirely within the existing compound area.
- 3. The proposed modification to the Facility will not increase the noise levels at the existing facility by six decibels or more.
- 4. The operation of the replacement antennas will not increase the total radio frequency (RF) power density, measured at the base of the tower, to a level at or above the applicable standard. According to a Radio Frequency Emissions Analysis Report prepared by EBI dated May 18, 2013 T-Mobile's operations would add 0.701% of the FCC Standard. Therefore, the calculated "worst case" power density for the planned combined operation at the site including all of the proposed antennas would be 63.361% of the FCC Standard as calculated for a mixed frequency site as evidenced by the engineering exhibit attached hereto as Exhibit C.

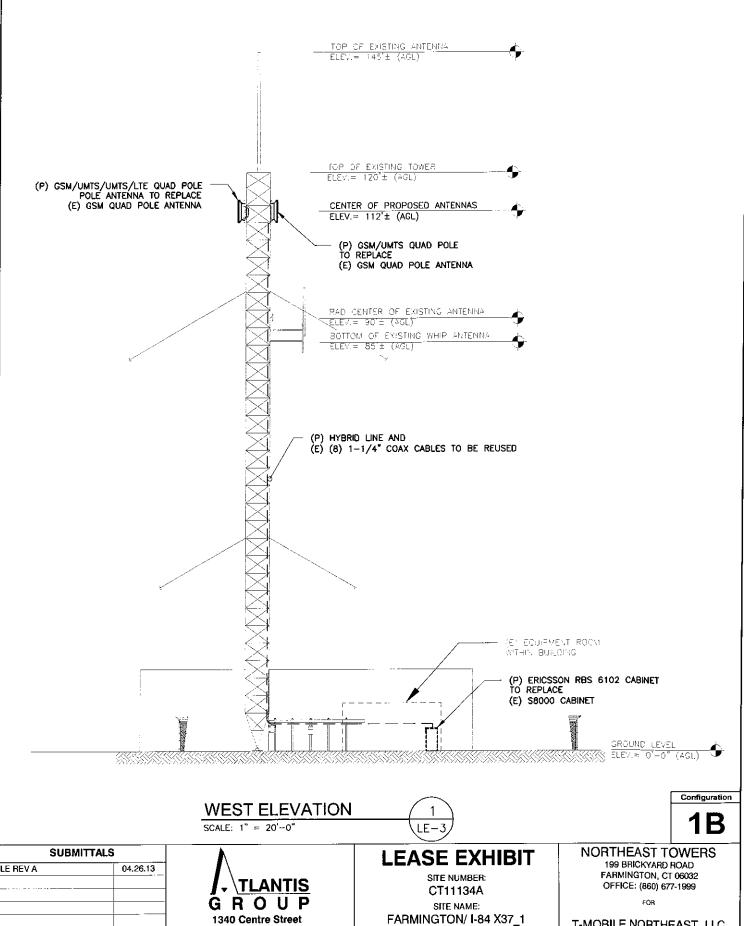
For the foregoing reasons, T-Mobile respectfully submits that the proposed replacement antennas and equipment at the Farmington Facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

Julie D. Kohler, Esq.

cc: Town of Farmington, Town Manager Kathleen Eagen WVIT Outlet Broadcasting Scott Chase, Northeast Site Solutions

EXHIBIT A



DRAWN BY: \$B

Sulte 203

Newton, MA 02459

Office: 617-965-0789

Fax: 617-213-5056

CHECKED BY: SM

SITE ADDRESS:

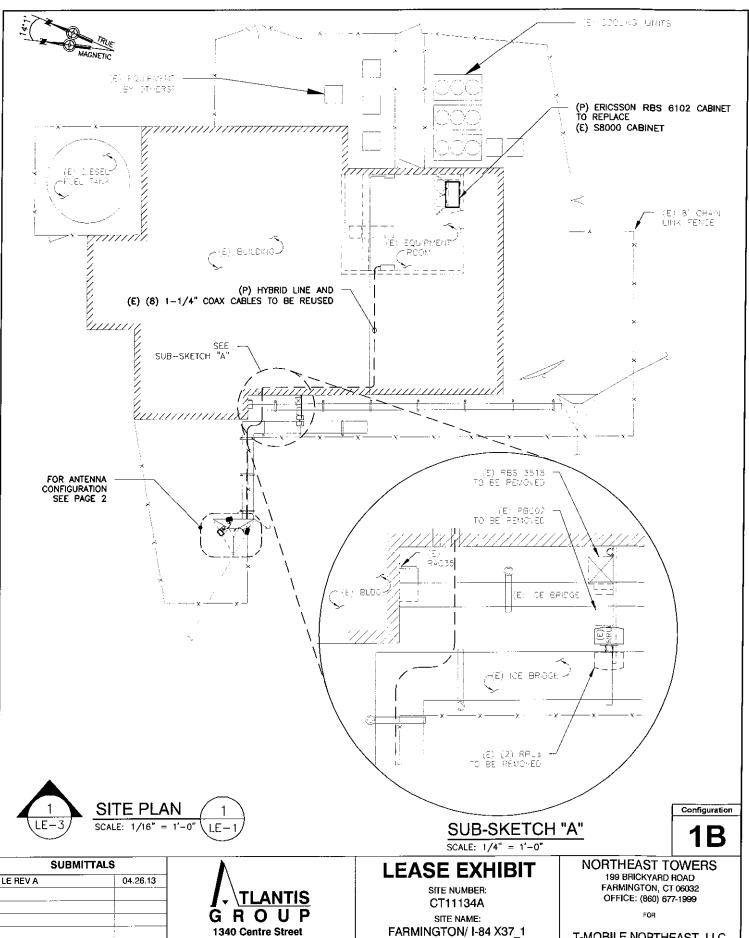
200 COLT HIGHWAY

FARMINGTON, CT 06032

T-MOBILE NORTHEAST, LLC

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 OFFICE: (860) 692-7100 FAX: (860) 692-7159

PAGE 30F 3



LE REV A

Suite 203 Newton, MA 02459 Office: 617-965-0789 Fax: 617-213-5056

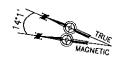
SITE ADDRESS: 200 COLT HIGHWAY FARMINGTON, CT 06032

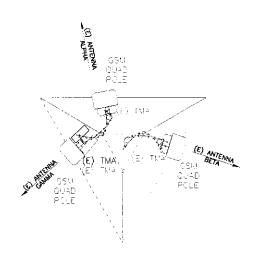
CHECKED BY: SM DRAWN BY: SB

T-MOBILE NORTHEAST, LLC

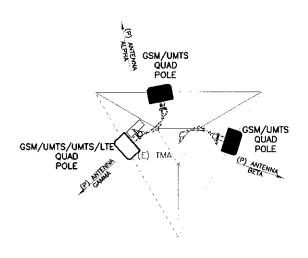
35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 OFFICE: (860) 692-7100 FAX: (860) 692-7159

PAGE1 OF 3





EXISTING ANTENNA PLAN



FINAL ANTENNA PLAN

Configuration

1B

SUBM	IITTAL\$
LE REV A	04.26.13

TLANTIS G R O U P

1340 Centre Street Suite 203 Newton, MA 02459 Office: 617-965-0789 Fax: 617-213-5056

LEASE EXHIBIT

SITE NUMBER: CT11134A SITE NAME:

FARMINGTON/ I-84 X37_1

SITE ADDRESS: 200 COLT HIGHWAY FARMINGTON, CT 06032

1	DRAWN BY: SB	CHECKED BY:	SM

NORTHEAST TOWERS 199 BRICKYARD ROAD FARMINGTON, CT 06032 OFFICE: (860) 677-1999

FOR

T-MOBILE NORTHEAST, LLC 35 GRIFFIN ROAD SOUTH

35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 OFFICE: (860) 692-7100 FAX: (860) 692-7159

PAGE 2 OF 3

Kohler, Julie D.

From:

Scott Chase <scott@northeasttowers.com>

Sent:

Monday, May 20, 2013 3:05 PM Kohler, Julie D.; Cintron, Leigh

To: Cc:

Deborah Chase; Denise Sabo; Sheldon Freincle; Joe Carbonell; Richard, Mark

(Mark.Richard64@T-Mobile.com); Lisa Lin Allen

Subject:

CT11134A CSC filing

Attachments:

CT11134A-MDRN-SA-V1.PDF; CT11134A-MDRN-LE-V1.pdf; RFDS_CT11134A_V2_

20130422.xls; CT11134A - Farmington MPE Filing Report 051813.pdf

Hello Julie,

The following site will need to be filed with CSC:

- TMO Site ID- CT11134A
- Site Address-200 Colt Highway,

Farmington

- Tower Owner Name- WVIT Outlet Broadcasting, Inc.
- Structural Analysis- attached
- LE or CDs- LE attached
- RFDS Sheet- attached
- Longitude: -72.83218
- Latitude: 41.70088

Power Density Report- attached

Scott Chase Northeast Site Solutions Cell: 508-989-1502

EXHIBIT B

STRUCTURAL ANALYSIS REPORT GUYED TOWER



Prepared For:

T · Mobile ·

35 Griffin Road South Bloomfield, CT 06002



Tower Rating

Tower: Pass (61.9 %)

Foundation: Pass

Sincerely, Atlantis Group, Inc. 5-9-2013



Ahmet Colakoglu, PE CT Professional Engineer License No: 27057

Site ID: CT11134A
Site Name: Farmington/I-84 X37_1
200 Colt Highway,
Farmington, CT 06032

Prepared By:

Atlantis Group, Inc.
1340 Centre Street, Suite 203
Newton, Massachusetts 02459
Phone: 617-965-0789, Fax: 617-965-0103
May 09, 2013

CT11134A-Structural Analysis

CONTENTS

- 1.0 SUBJECT AND REFERENCES
- 2.0 PROPOSED ADDITION
- 3.0 CODES AND LOADING
- 4.0 STANDARD CONDITIONS FOR ENGINEERING SERVICES ON EXISTING STRUCTURES
- 5.0 ANALYSIS AND ASSUMPTIONS
- 6.0 RESULTS AND CONCLUSION

APPENDICES
A – CALCULATIONS



1 | P a g e

CT11134A-Structural Analysis

1.0 SUBJECT AND REFERENCES

The purpose of this analysis is to evaluate the structural capacity of the existing 120 feet high guyed tower, located at 200 Colt Highway, Farmington, CT 06032, for the alteration and addition of wireless telecommunication appurtenances proposed by T-Mobile.

The structural analysis of the site is based on the following documents provided to us:

- 1. Structural Analysis report prepared by Armor Tower, Inc., dated 01/07/2010.
- 2. Structural Analysis report prepared by Paul J. Ford and Company, dated 09/07/2001.
- 3. Structural Analysis report prepared by Techstar communications, Inc., dated 03/31/1998.
- 4. Existing and proposed antenna information provided by T-Mobile.

1.1 STRUCTURE

The guyed tower is a 120 feet high, triangular based tower. Solid rod legs are X-braced along the tower height with solid rods. The tower is guyed at one (1) elevation at 103.5 ft. above the grade line. Guy wires are terminated at anchors 250 feet away from the tower. Please refer to the tower elevation drawing in Appendix A, for details about the tower geometry, member sizes, etc.

2.0 PROPOSED CONFIGURATION

Antennas and Appurtenances:

The analysis is based on the following existing and proposed appurtenances:

Existing Configuration of T-MOBILE Appurtenances:

Sector	Rad Center (ft)	Ante	nna & TMA	Mount	FEED
Alpha	112	GSM Antenna TMA	(1) APX16DWV_16DWVS (1) dd B2	Leg mounted	(8) 1¼"
Beta	112	GSM Antenna TMA	(1) APX16DWV_16DWVS (1) dd B2	Leg mounted	
Gamma	112	GSM/UMTS Antenna TMA	(1) APX16DWV_16DWVS (1) dd B2 & (1) dd B4	Leg mounted	



CT11134A-Structural Analysis

Proposed Configuration of T-MOBILE Appurtenances:

Sector	Rad Center (ft)	Ante	nna & TMA	Mount	FEED LINES
Alpha	112	GSM/UMTS	(1) AIR21 B2A/B4P	Leg Mounted	(8) 1¼"
Beta	112	GSM/UMTS	(1) AIR21 B2A/B4P	Leg Mounted	+
Gamma	112	GSM/UMTS/LTE TMA	(1) AIR21 B2A/B4P (1) dd B4	Leg Mounted	(1) Hybrid Line

Existing and Remaining Appurtenances by Others:

RAD CENTER (FT) CARRIER	ANTENNA & TMA	MOUNT	FEED LINES
140	(1) TFU-30 GTH-R	Leg Mount	(1) 6-1/8"
113	(1) DB225	Leg Mount	(1) 1-1/4"
96.8	(1) 12' Whip	(1) Standoff	(1) 1/2"
91.5	(1) PR-850 Grid Dish	Leg Mount	(1) 1-1/4"

3.0 CODES AND LOADING

The tower was analyzed per ANSI/TIA-222-F as referenced by the 2005 Connecticut Building Code with 2009 Supplement, which is the adopted building code in the county. The following wind loading was used in compliance with the standard for Hartford County, CT.

- Basic wind speed 80 mph (W) without ice.
- Basic wind speed 69.3 mph (W_i) with 1/2" radial and escalating ice.

The following load combinations were used with wind blowing at 0°, 60° and 90°, measured from a line normal to the face of the guyed tower.

- D + Dg + W
- D + Dg + I + W_i + 1.0Ti

D: Dead Load of structure and appurtenances, except guy wires

W: Wind Load, without ice

Wi: Wind Load with ice

I: Ice Gravity Load

Dg: Dead Load of guy assemblies



CT11134A-Structural Analysis

4.0 STANDARD CONDITIONS FOR ENGINEERING SERVICES ON EXISTING STRUCTURES

The analysis is based on the information provided to Atlantis Group and is assumed to be current and correct. Unless otherwise noted, the structure and the foundation system are assumed to be in good condition, free of defects and can achieve theoretical strength.

It is assumed that the structure has been maintained and shall be maintained during its service. The superstructure and the foundation system are assumed to be designed with proper engineering practice and fabricated, constructed and erected in accordance with the design documents. Atlantis Group will accept no liability which may arise due to any existing deficiency in design, material, fabrication, erection, construction, etc. or lack of maintenance. Contractor should inspect the condition of the existing structure, mounts and connections and notify Atlantis Group for any discrepancies and deficiencies before proceeding with the construction.

The evaluation results presented in this report are only applicable for the previously mentioned existing and proposed additions and alterations. Any deviation of the proposed equipment and placement, etc., will require Atlantis Group to generate an additional structural evaluation.

5.0 ANALYSIS and ASSUMPTIONS

The tower was analyzed by utilizing tnx-Tower, a non-linear 3-Dimensional finite element software, a product of Tower Numerics, Inc. Software output for this analysis is provided in Appendix-A of this report.

Fax: 617-965-0103



CT11134A-Structural Analysis

6.0 RESULTS and CONCLUSION

Based on a feasibility analysis per ANSI/TIA-222-F, the existing tower is found to have **adequate** structural capacity for the proposed changes by T-mobile. For the aforementioned load combinations and as a maximum, the tower guy wires at 103.5 feet AGL will be stressed to **61.9%** of capacity. Maximum usage of tower legs and bracing is 11.9% and 50.7%, respectively.

Based on the stress level of the legs and assuming the foundation system was designed to have at least the capacity of the superstructure, tower foundation system is considered to have adequate structural strength.

Reactions:

Maximums	Atlantis Analysis	Armor Tower Analysis	Paul J. Ford Analysis
Base Shear (kips)	4.3	4.0	4.8
Base Compression (kip)	45.7	41.4	54
Anchor Shear (kips)	13.6	13.9	16.5
Anchor Uplift (kips)	5.5	5.6	4.6

Therefore, the proposed additions and alterations by T-Mobile can be implemented as intended with the conditions outlined in this report.

Should you have any questions or need any clarifications about this report, please contact Ahmet Colakoglu at (617) 965-0789.

Sincerely, Atlantis Group, Inc.

Fax: 617-965-0103

EXHIBIT C



RADIO FREQUENCY EMISSIONS ANALYSIS REPORT EVALUATION OF HUMAN EXPOSURE POTENTIAL TO NON-IONIZING EMISSIONS

T-Mobile Existing Facility

Site ID: CT11134A

Farmington 200 Colt Highway Farmington, CT 06032

May 18, 2013

EBI Project Number: 62136367





Burlington, MA 01803

Tel: (781) 273.2500

May 18, 2013

T-Mobile USA Attn: Jason Overbey, RF Manager 35 Griffin Road South Bloomfield, CT 06002

Re: Emissions Values for Site: CT11134A - Farmington

EBI Consulting was directed to analyze the proposed T-Mobile facility located at 200 Colt Highway, Farmington, CT, for the purpose of determining whether the emissions from the Proposed T-Mobile Antenna Installation located on this property are within specified federal limits.

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 (μ W/cm2). The number of μ W/cm2 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 (μ W/cm2). The general population exposure limit for the cellular band is 567 μ W/cm2, and the general population exposure limit for the PCS band is 1000 μ W/cm2. 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.





Burlington, MA 01803

Tel: (781) 273.2500

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 facility located at 200 Colt Highway, Farmington, CT, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since T-Mobile is proposing highly focused directional panel antennas, which project most of the emitted energy out toward the horizon, the actual antenna pattern gain value in the direction of the sample area was used. For this report the sample point is a 6 foot person standing at the base of the tower

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

- 1) 2 GSM channels (1935.000 MHz—to 1945.000 MHz) were considered for each sector of the proposed installation.
- 2 UMTS channels (2110.000 MHz to 2120.000 MHz / 2140.000 MHz to 2145.000 MHz) were considered for each sector of the proposed installation
- 3) 2 LTE channels (2110.000 MHz to 2120.000 MHz / 2140.000 MHz to 2145.000 MHz) were considered for each sector of the proposed installation
- 4) 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.
- 5) For the following calculations the sample point was the top of a six foot person standing at the base of the tower. The actual gain in this direction was used per the manufactures supplied specifications.
- 6) The antenna used in this modeling is the Ericsson AIR21 for LTE, UMTS and GSM. This is based on feedback from the carrier with regards to anticipated antenna selection. This antenna has a 15.6 dBd gain value at its main lobe. Actual antenna gain values were used for all calculations as per the manufacturers specifications





Burlington, MA 01803

Tel: (781) 273.2500

7) The antenna mounting height centerline of the proposed antennas is **112 feet** above ground level (AGL)

8) Emissions values for additional carriers were taken from the Connecticut Siting Council active database. Values in this database are provided by the individual carriers themselves.

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

Site ID	CT11134A - Farmington
Site Addresss	200 Colt Highway, Farmington, CT 06032
Site Type	Guved Tower

	Power Density Percentage	0.07731%	0.15639%					Power Density	0.07731%	0.15639%				Power Density	0.07731%	0.15639%		
	Power Density Value	0.773117	1.563919					Power Density	0.773117	1.563919				Power Density	0.773117	1.563919	STATISTICS OF THE PARTY OF THE	
	ğ	24.163022 0.773117	48.878738 1.563919			0.234%		o E	22			0.234%		ò H	22	-		
	Additional Loss		0			Sector total Power Density Value:		Additional	0	0	STORESTON IN	Sector total Power Density Value:		Additional	0	0		
	Cable Loss Additional	0	1.2			I Power De		Cable Loss Additional	0	1.2	Medical part	al Power De		Cable Loss	100	1.2		
	Cable Size	None	1-5/8"	現場の 場所		Sector tota		Cable Size	None	1-5/8"		Sector total		Cable Size	None	1-5/8"		
	analysis height	106	106					analysis	106	106	SERVICE STATE	ATTRIBUTE COM		analysis	100	106		
	Antenna Height (ft)	112	112	がある。	AUTHOR PALEN			Antenna Height (ft)	112	112				Antenna Height (ft)	112	112		
	Antenna Gain In direction of sample point (dBd)	-3.95	-3.95					Antenna Gain In direction of sample	-3.95	-3.95				Antenna Gain in direction of sample point (dBd)	-3.95	-3.95		
Sector 1	Composite Power	09	160				Sector 2	Composite	09	160	THE CONTROLLER		Sector 3	Composite	09	160	SSUMMENT WAS	
*	Number of Channels	2	4		White the state of		Se	Number of Channels	2	4			Se	Number of Channels	2	4		
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	Technology	GSM / UMTS	UMTS/LTE		Contraction of the last			Technology	GSM / UMTS	UMTS/LTE				Technology	GSM / UMTS	UMTS/LTE	NAMES OF TAXABLE PARTY OF	
	Frequency Band	PCS - 1950 MHz	AWS - 2100 MHz		- CONTRACTOR CONTRACTO			Frequency Band	PCS - 1950 MHz	AWS - 2100 MHz				Frequency Band	PCS - 1950 MHz	AWS - 2100 MHz		
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	Antenna Model	AIR21 B2A / B4P	AIR21 B2A / B4P		THE REPORT OF THE PARTY OF THE			Antenna Model	AIR21 B2A / B4P	AIR21 B2A / B4P				Antenna Model	AIR21 B2A / B4P	AIR21 B2A / B4P	100年の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の	
	9		Ericsson					Antenna Number Antenna Make	Ericsson	Ericsson				Antenna Number Antenna Make	Ericsson	Ericsson		
	Antenna	1a	9		STATE OF THE PERSON NAMED IN			Antenna Number	1a	18				Antenna	1a	18		

Site Comp	Site Composite MPE %
Carrier	WPE%
T-Mobile	0.701%
MetroPCS	6.200%
CNG	3.800%
MediaFLO	0.040%
XM	0.870%
Other Radio Sources	14.180%
Verizon Wireless	25.780%
Clearwire	5.100%
Sprint	%069'9
Total Site MPE %	63.361%



Tel: (781) 273.2500

Summary

All calculations performed for this analysis yielded results that were well within the allowable limits for general public exposure to RF Emissions.

The anticipated Maximum Composite contributions from the T-Mobile facility are 0.701% (0.234% from each sector) of the allowable FCC established general public limit considering all three sectors simultaneously sampled at the ground level.

The anticipated composite MPE value for this site assuming all carriers present is **63.361%** of the allowable FCC established general public limit sampled at the ground level. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions

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 well within the allowable 100% threshold standard per the federal government

Scott Heffernan

RF Engineering Director

EBI Consulting

21 B Street

Burlington, MA 01803

TOUR ANY TOUR

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: siting.council@ct.gov www.ct.gov/csc

May 23, 2013

The Honorable Jeffrey Hogan Chairman Town of Farmington Town Hall 1 Monteith Drive Farmington, CT 06032-1053

RE: **EM-T-MOBILE-052-130523** – T-Mobile Northeast LLC notice of intent to modify an existing telecommunications facility located at 200 Colt Highway, Farmington, Connecticut.

Dear Chairman Hogan:

The Connecticut Siting Council (Council) received a request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72, a copy of which has already been provided to you.

If you have any questions or comments regarding the proposal, please call me or inform the Council by June 7, 2013.

Thank you for your cooperation and consideration.

Very truly yours,

Melanie A. Bachman Acting Executive Director

MAB/jb

c: Kathleen Eagen (via e-mail service), Town Manager, Town of Farmington Jeffrey Ollendorf (via e-mail service), Town Planner, Town of Farmington

