



September 29, 2015

VIA EMAIL AND OVERNIGHT DELIVERY

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

RE: T-Mobile Northeast LLC – Notice of Exempt Modification
175 South Main Street, Marlborough, CT

Dear Ms. Bachman:

This letter and attachments are submitted on behalf of T-Mobile Northeast LLC (“T-Mobile”). T-Mobile is undertaking modifications to certain existing sites in its Connecticut network in order to implement updated technology. In order to do so, T-Mobile will modify antenna and equipment configurations at a number of existing sites. Please accept this letter and attachments as notification, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter and attachments is being sent to the First Selectman of the Town of Marlborough, and the property owner, Fallow Crossing LLC.

T-Mobile plans to modify the existing facility at 175 South Main Street owned by SBA Communications (coordinates 41-58-39.74/-71-50-47.55). Attached are drawings depicting the planned changes, and documentation of the structural sufficiency of the tower to accommodate the revised antenna configuration. Also included is a power density calculation reflecting the modification to T-Mobile’s operations at the site.

The changes to the facility do not constitute a modification as defined in Connecticut General Statutes (“C.G.S.”) Section 16-50i(d) because the general physical characteristics of the facility will not be significantly changed. Rather, the planned changes to the facility fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(b)(2).

1. The height of the overall structure will be unaffected. T-Mobile proposes to replace two (2) existing antennas at a centerline height of 130’ AGL and add one (1) RET cable.
2. The proposed changes will not extend the site boundaries. T-Mobile does



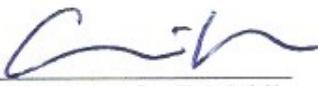
not propose to replace or install any equipment at grade. Thus, there will be no effect on the site compound or T-Mobile's leased area.

3. The proposed changes will not increase the noise level at the existing facility by six decibels or more. The incremental effect of the proposed changes will be negligible.

4. The changes to the facility will not increase the calculated "worst case" power density for the combined operations at the site to a level at or above the applicable standard for uncontrolled environments as calculated for a mixed frequency site. As indicated in the attached power density calculations, T-Mobile's operations at the site will result in a power density of 2.62%; the combined site operations will result in a total power density of 6.23%.

Please feel free to call me with any questions or concerns regarding this matter. Thank you for your consideration.

Respectfully submitted,

By: 
Eric Dahl, Agent for T-Mobile
edahl@comcast.net
860-227-1975

Attachments

cc: First Selectman Catherine Gaudinski, Town of Marlborough
Fallow Crossing LLC
SBA Communications

TECTONIC
 • PLANNING • SURVEYING • CONSTRUCTION
 • ENGINEERING • CONSULTING • INSPECTION
 TECTONIC Engineering & Surveying
 1275 Route 203
 Marlborough, MA 01752
 Phone: (508) 887-8888
 Fax: (508) 887-8703

Mobile
 NORTHEAST LLC
 30 GRIFFIN ROAD SOUTH
 BLOOMFIELD, CT 06102

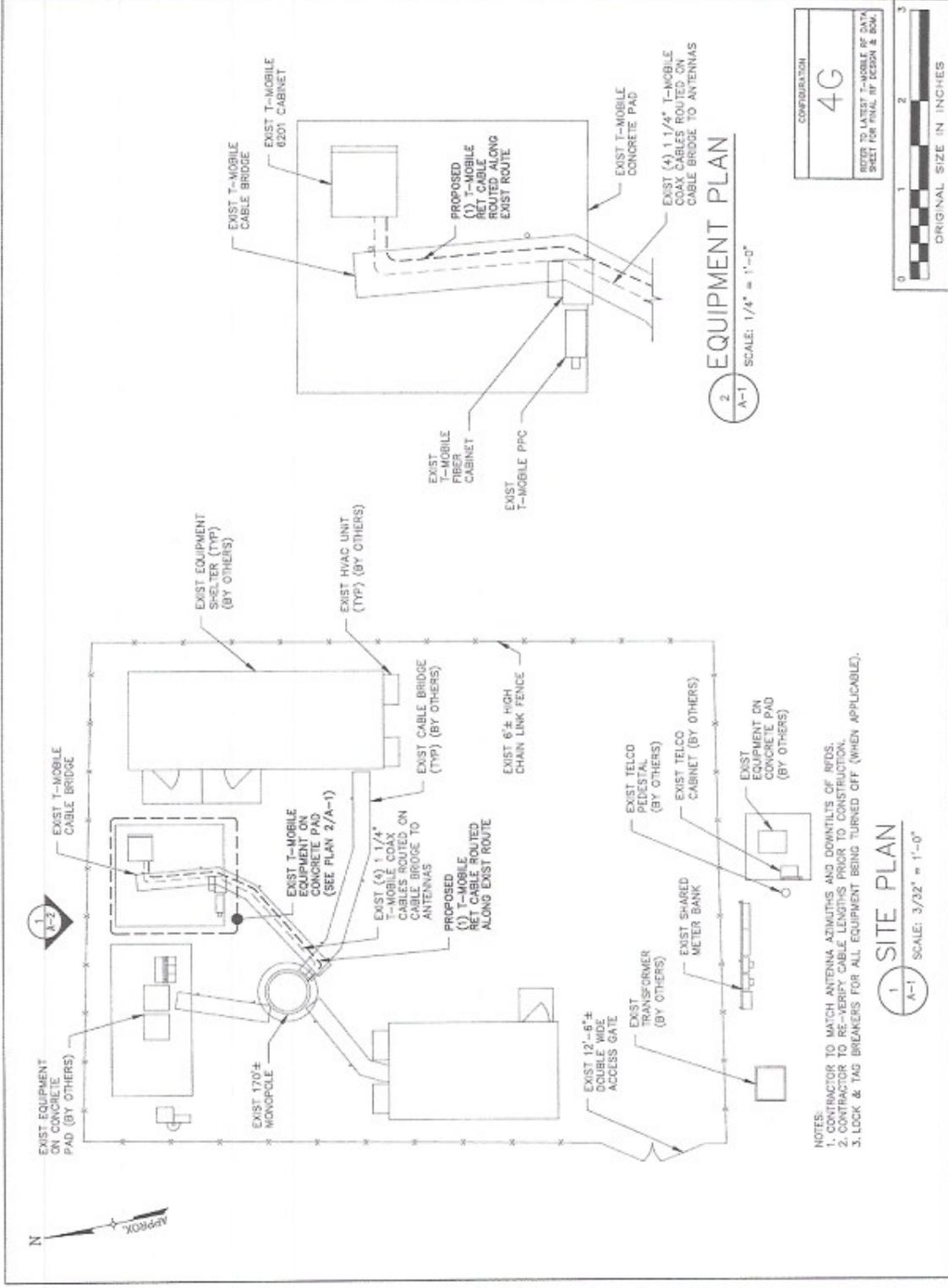
T-MOBILE PROJECT NUMBER	DATE	BY	CHK'D BY
CONSTRUCTION	06/28/07	AM	AM
ISSUED BY	DATE	BY	CHK'D BY
3/4/06	7/27/05	AM	AM



SITE INFORMATION
 CT11253C
 CT253/GLOBAL
 TELECOM MP
 175 SOUTH MAIN ST
 MARLBOROUGH, CT 06447

SHEET TITLE
 SITE PLAN &
 EQUIPMENT PLAN

SHEET NUMBER
 A-1



2 EQUIPMENT PLAN
 SCALE: 1/4" = 1'-0"

CONFIGURATION
 4G

REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM.

ORIGINAL SIZE IN INCHES
 0 1 2 3

1 SITE PLAN
 SCALE: 3/32" = 1'-0"

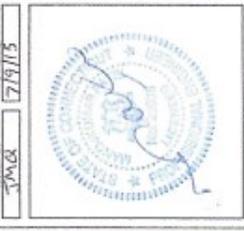
- NOTES:**
- CONTRACTOR TO MATCH ANTENNA AZIMUTHS AND DOWNLITS OF RFDS.
 - CONTRACTOR TO RE-VERRY CABLE LENGTHS PRIOR TO CONSTRUCTION.
 - LOCK & TAG BREAKERS FOR ALL EQUIPMENT BEING TURNED OFF (WHEN APPLICABLE).

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TECTONIC Engineering & Surveying
 1279 Route 300
 Westford, MA 01886
 Phone: (978) 343-3500
 Fax: (978) 347-4255

Mobile
 NORTHEAST LLC
 35 NORTH MAIN SOUTH
 BLOOMFIELD, CT 06002

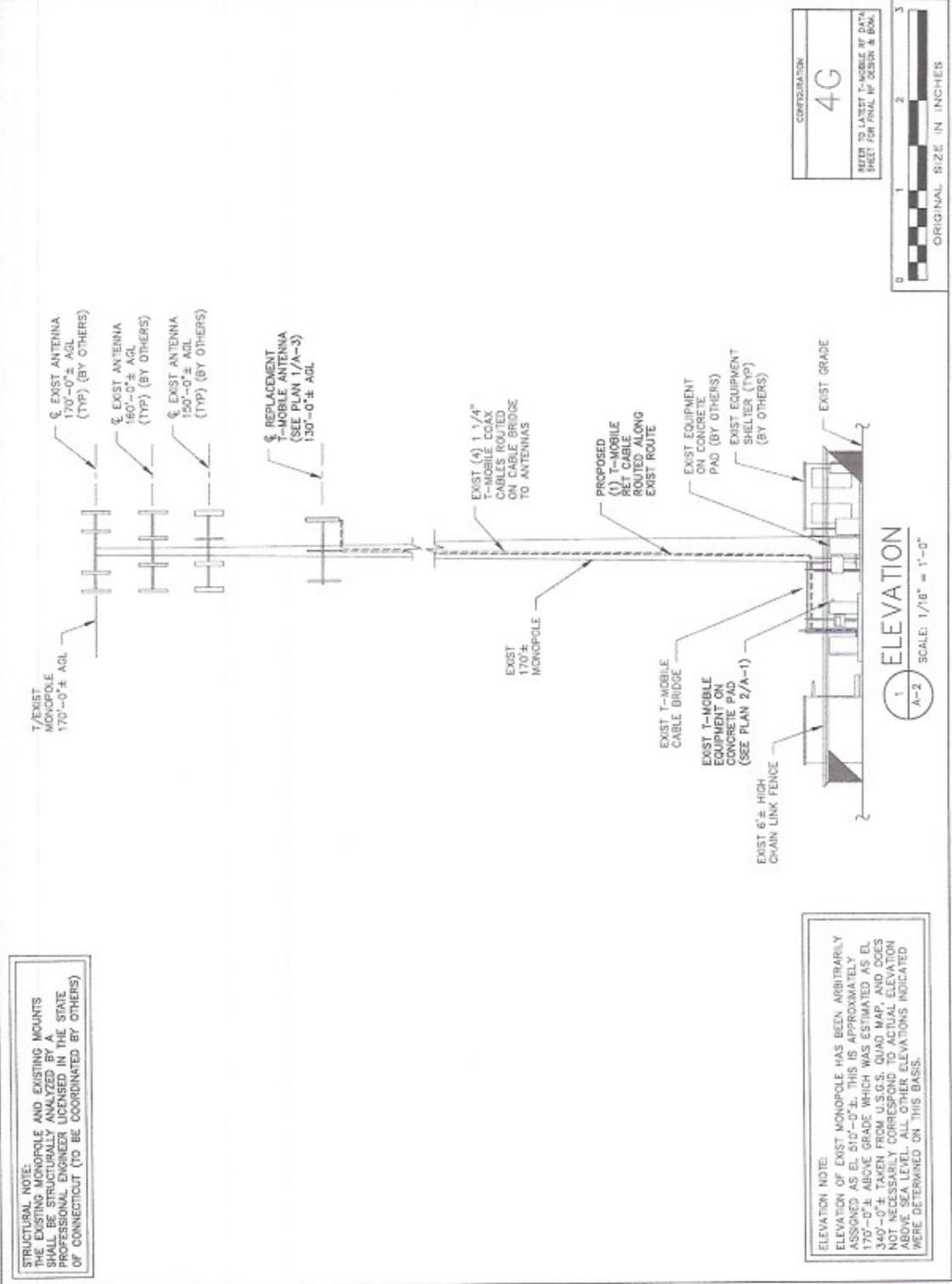
T-MOBILE	DATE
PROJECT NUMBER	7/9/15
DESIGNED BY	MP
CHECKED BY	MP
DATE FOR COMMENT	MP
DATE FOR CONSTRUCTION	MP



CT11253C
 CT253/GLOBAL
 TELECOMM MP
 175 SOUTH MAIN ST
 MARLBOROUGH, CT 06447

ELEVATION

SHEET NUMBER
A-2



CONFIGURATION
4G

REFER TO LATEST T-MOBILE BY DATA SHEET FOR FINAL NO. DESIGN & BOX.

ORIGINAL SIZE IN INCHES
 0 1 2 3



Tower Engineering Solutions

Phone (972) 483-0607, Fax (972) 975-9615
8445 Freeport Parkway, Suite 375, Irving, Texas 75063

Structural Analysis Report

Existing 170 ft Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT13062-A

Customer Site Name: Marlborough

Carrier Name: T-Mobile

Carrier Site Number: CT11253

Carrier Site Name: N/A

Site Location: 175 South Main Street

Marlborough, Connecticut

Hartford County

Latitude: 41.615961

Longitude: -72.436427

Analysis Result:

Max Structural Usage: 86.7% [Pass]

Max Foundation Usage: 41.0% [Pass]

Report Prepared By : Fabiaye Arinyedokiari





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Report Prepared By : Fabiaye Arinyedokiari

Introduction

The purpose of this report is to summarize the analysis results on the 170 ft Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	Paul J. Ford and Company, Job #44404-0628 date November 9, 2004
Foundation Drawing	Paul J. Ford and Company, Job #44404-0628 date November 9, 2004
Geotechnical Report	Jaworski Geotech, Inc., Project #04316G dated August 31, 2004
Modification Drawings	N/A

Analysis Criteria

The rigorous analysis was performed in accordance with the requirements and stipulations of the ANSI/TIA/EIA 222-G. In accordance with this standard, the structure was analyzed using **TESPoles**, a proprietary analysis software. The program considers the structure as an elastic 3-D model with second-order effects and temperature effects incorporated in the analysis. The analysis was performed using multiple wind directions.

Basic Wind Speed Used in the Analysis:	105 mph (3-Sec. Gust)
Basic Wind Speed with Ice:	50 mph (3-Sec. Gust) with 1" radial ice concurrent
Operational Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	ANSI/TIA/EIA 222-G / 2005 Connecticut State Building Code
Exposure Category:	B
Structure Class:	II
Topographic Category:	1
Crest Height:	0 ft

Existing Antennas, Mounts and Transmission Lines

The table below summarizes the antennas, mounts and transmission lines that were considered in the analysis as existing on the tower.

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	167.0	2	Antel BXA-171063-8BF - Panel	Low Profile Platform	(12) 1 5/8"	Verizon
2		1	Antel BXA-171085-12BF - Panel			
3		2	Antel BXA-70063-6CF - Panel			
4		1	Antel BXA-70080-6CF - Panel			
5		6	RFS FD9R60024/2C-3L Diplexers			
6		4	Antel LPA-80063/4CF - Panel			
7		2	Antel LPA-80080/6CF - Panel			
8	156.0	12	Decibel 950F65T2E-M - Panel	Low Profile Platform	(6) 1 5/8"	Sprint
9	145.0	6	Powerwave 7770 - Panel	Low Profile Platform	(12) 1 5/8" (2) DC (1) Fiber	Cingular
10		3	KMW AM-X-CD-17-65-00T - Panel			
11		1	Raycap DC6-48-60-18-8F - Surge Arrestor			
12		6	Powerwave LGP21401 TMA			
13		6	Ericsson RRUS-11 - RRU			
-	130.0	9	RFS APX18-206517S-C-ACU - Panel	(3) T-Arm	(9) 1 1/4"	T-Mobile
-		2	Remec G20045A1 - TMA			
16	110.0	3	Kathrein 742 213 - Panel	(3) Pipe Mounts	(6) 1 5/8"	Metro PCS
17	50.0	1	Decibel 26DB	Direct	(1) 1/2"	Sprint *

* Line considered outside of pole.

Proposed Carrier's Final Configuration of Antennas, Mounts and Transmission Lines

Information pertaining to the proposed carrier's final configuration of antennas and transmission lines was provided by SBA Communications Corp. The proposed antennas and lines are listed below.

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
14	130.0	9	RFS Celwave APX18-206517S-C-ACU - Panel	(3) T-Arm	(9) 1 1/4"	T-Mobile
15		2	Remec G20045A1 - TMA			

All transmission lines are considered running inside of the pole shafts.

Analysis Results

The results of the structural analysis, performed for the wind and ice loading and antenna equipment as defined above, are summarized as the following:

	Pole shafts	Anchor Bolts	Base Plate	Flange Plate	Flange Bolts
Max. Usage:	66.7%	67.0%	52.2%	34.3%	86.7%
Pass/Fail	Pass	Pass	Pass	Pass	Pass

Foundations

	Moment (Kip-Ft)	Shear (Kips)
Original Design Reactions	4400.0	36.0
Analysis Reactions	3924.46	32.1
Factored Reactions*	5940.0	48.6
% of Design Reactions	66.1%	66.0%

* Per section 15.5.1 of the TIA-222-G standard, factored reactions were obtained by multiplying a 1.35 factor to the original design reactions.

The foundation has been investigated using the supplied documents and soils report and was found adequate. Therefore, no modification to the foundation will be required.

Operational Condition (Rigidity):

Maximum twist and sway of the microwave dishes under the operational wind speed as specified in the Analysis Criteria are listed in the table below:

Elevation (ft)	Dish	Carrier	Twist (deg)	Sway (deg)
130.0	Various Antennas	T-Mobile	0.000	1.081

It is recommended that the carriers review the twist and sway values of the microwave dishes.

Conclusions

Based on the analysis results, the existing structure and its foundation were found to be adequate to safely support the existing and proposed equipment and meet the minimum requirements per the ANSI/TIA/EIA 222-G Standard under the design basic wind speed as specified in the Analysis Criteria.

Standard Conditions

1. This analysis was performed based on the information supplied to **(TES) Tower Engineering Solutions, LLC**. Verification of the information provided was not included in the Scope of Work for **TES**. The accuracy of the analysis is dependent on the accuracy of the information provided.
2. The analysis is based on the presumption that the tower members and components along with any existing reinforcement items have been correctly and properly designed, manufactured, installed and maintained.
3. All the existing structural members were assumed to be in good condition with no physical damage or deterioration associated with corrosion.
4. An initial tension of 10% of the break strength on all the existing guy wires was assumed in all the structural analyses of guyed towers unless different values were provided by the client. **TES** cannot take responsibility for the deviations in the analysis results because of differences in the initial tension forces of the existing guy wires.
5. Secondary component or connection secondary components, welds and bolts are assumed to be able to carry their intended original design loads. **TES** cannot take responsibility for verification of the adequacy on the connections, bolts and welds present in the structure.
6. The analyses will be performed based on the codes as specified by the client or based on the best knowledge of the engineering staff of **TES**. In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/TIA-222. If wind speed or/and ice loads are different from the minimum values recommended by the EIA/TIA-222 standard or other codes, **TES** should be notified in writing and the applicable minimum values provided by the client.
7. The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. **TES** has not visited the tower site to verify the adequacy of the information provided. If there is any discrepancy found in the report regarding the existing conditions, **TES** should be notified immediately to evaluate the effect of the discrepancy on the analysis results.
8. The client will assume responsibility for rework associated with the differences in initially provided information, including tower and foundation information, existing and/or proposed equipment and transmission lines.
9. If a feasibility analysis was performed, final acceptance of changed conditions shall be based upon a rigorous structural analysis.

Usage Diagram - Max Ratio 66.72% at 50.0ft

Structure: CT13062-A-SBA
Site Name: Marlborough
Height: 170.00 (ft)
Base Elev: 0.000 (ft)

Code: EIA/TIA-222-G
Exposure: B
Gh: 1.1

9/9/2015

Page: 1



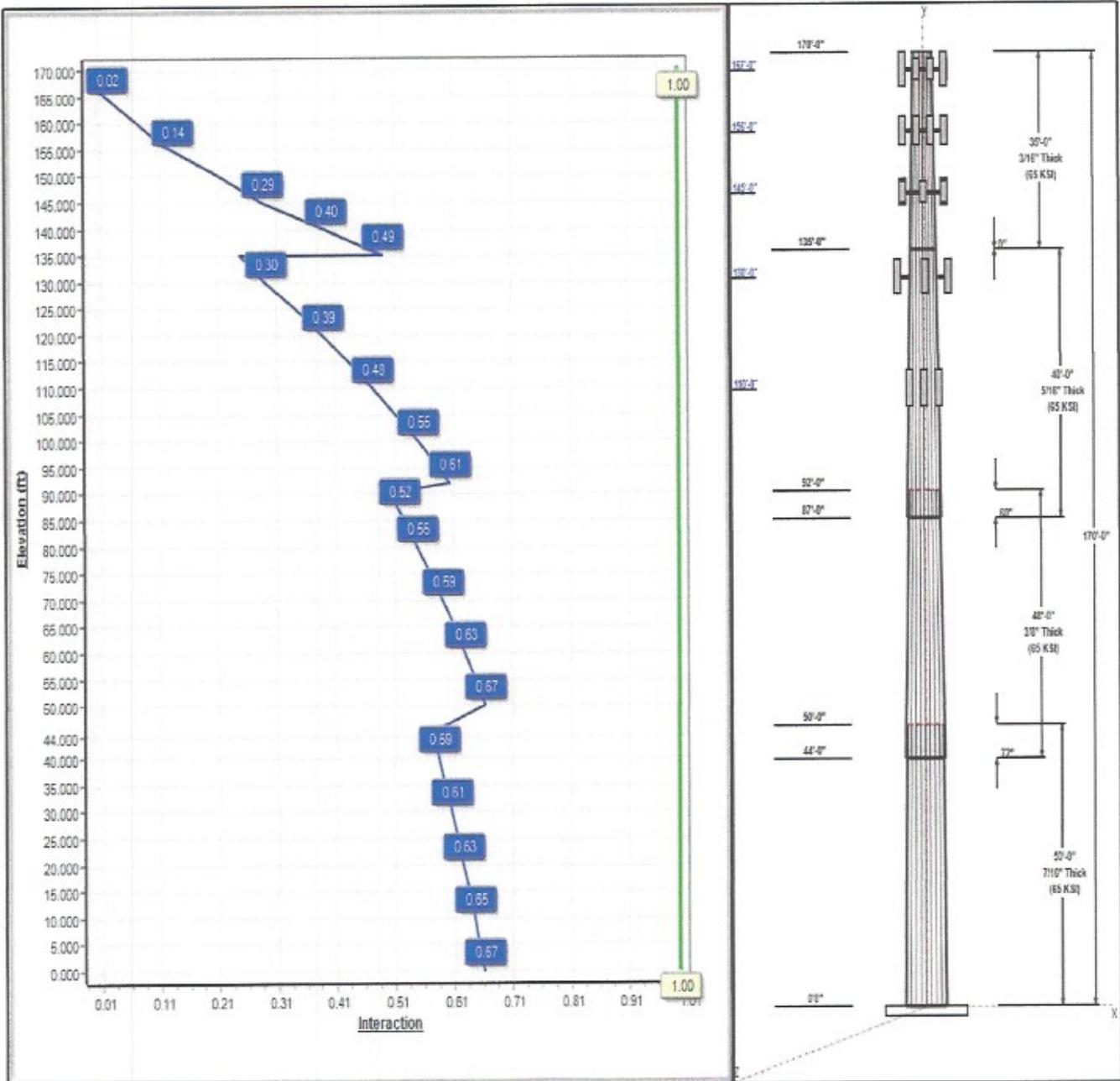
Dead Load Factor: 1.20
Wind Load Factor: 1.60

Load Case : 1.2D + 1.6W 105 mph Wind



Iterations: 25

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Structure: CT13062-A-SBA

Type: Tapered
Site Name: Marlborough
Height: 170.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.19338

9/9/2015

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Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	50.00	45.83	55.50	0.438		0.19338	65
2	48.00	38.46	47.74	0.375	Slip	0.19338	65
3	48.00	30.77	40.05	0.313	Slip	0.19338	65
4	35.00	24.00	30.77	0.188	Butt	0.19338	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
167.00	167.00	2	BXA-171063-8BF	Verizon
167.00	167.00	1	BXA-171085-12BF	Verizon
167.00	167.00	2	BXA-70063-6CF	Verizon
167.00	167.00	1	BXA-70080-6CF	Verizon
167.00	167.00	6	FD9R60024/2C-3L	Verizon
167.00	167.00	1	Low Profile Platform-flat	Verizon
167.00	167.00	4	LPA-80063/4CF	Verizon
167.00	167.00	2	LPA-80080/6CF	Verizon
156.00	156.00	12	950F65T2E-M	Sprint
156.00	156.00	1	Low Profile Platform-flat	Sprint
145.00	145.00	6	7770.00	Cingular
145.00	145.00	3	AM-X-CD-17-65-00T-RET	Cingular
145.00	145.00	1	DC6-48-60-18-8F	Cingular
145.00	145.00	6	LGP21401	Cingular
145.00	145.00	1	Low Profile Platform-flat	Cingular
145.00	145.00	6	RRUS-11	Cingular
130.00	130.00	9	APX18-206517S-C-ACU	T-Mobile
130.00	130.00	2	Remec G20045A1	T-Mobile
130.00	130.00	3	T-Arm (Flat)	T-Mobile
110.00	110.00	3	742 213	Metro PCS
110.00	110.00	1	Flush Mount	Metro PCS
50.00	50.00	1	Decibel 26DB	Sprint

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	167.00	Inside	1 5/8" Coax	Verizon
0.00	156.00	Inside	1 5/8" Coax	Sprint
0.00	145.00	Inside	1 5/8" Coax	Cingular
0.00	145.00	Inside	DC	Cingular
0.00	145.00	Inside	Fiber	Verizon
0.00	130.00	Inside	1 1/4" Coax	T-Mobile
0.00	110.00	Inside	1 5/8" Coax	Metro PCS
0.00	50.00	Outside	1/2" Coax	Sprint

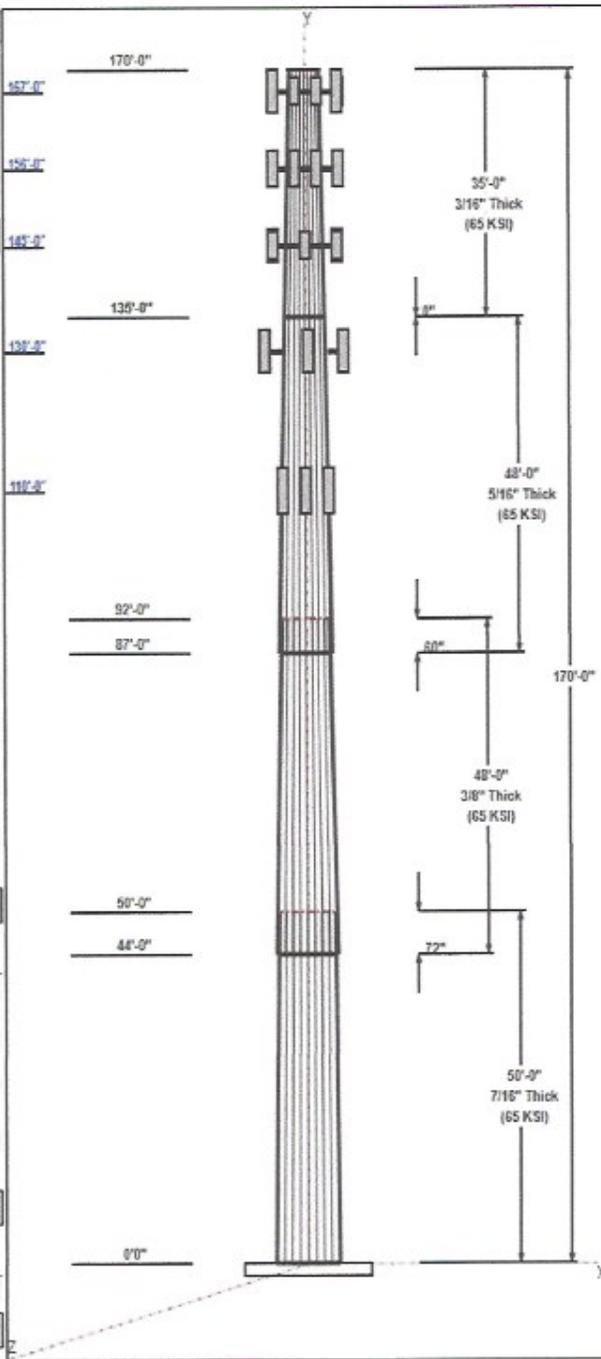
Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
18	2.25" 18J	75.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.7500	69.0	60.0	Round

Reactions



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

T-Mobile Existing Facility

Site ID: CT11253C

**CT253/ Global Telecomm MP
175 South Main Street
Marlborough, CT 06447**

September 29, 2015

Site Compliance Summary	
Compliance Status:	COMPLIANT
Site total MPE% of FCC general public allowable limit:	6.23 %

September 29, 2015

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

Emissions Analysis for Site: **CT11253C – CT253/ Global Telecomm MP**

EBI Consulting was directed to analyze the proposed T-Mobile facility located at **175 South Main Street, Marlborough, 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 ($\mu\text{W}/\text{cm}^2$). 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 both the PCS band 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 facility located at **175 South Main Street, Marlborough, 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, all calculations were performed assuming a lobe representing the maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB, was focused at the base of the tower. For this report the sample point is the top of 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 (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel
- 2) 2 UMTS channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.
- 3) 2 LTE channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 60 Watts per Channel.
- 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 maximum gain of the antenna per the antenna manufactures supplied specifications minus 10 dB was used in this direction. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.
- 6) The antennas used in this modeling are the **RFS APXV18-206517S** for 1900 MHz (PCS) channels. This is based on feedback from the carrier with regards to anticipated antenna selection. The **RFS APXV18-206517S** has a maximum gain of **16.7 dBd** at its main lobe. The maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB, was used for all calculations. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.
- 7) The antenna mounting height centerline of the proposed antennas is **130 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 calculations were done with respect to uncontrolled / general public threshold limits.

T-Mobile Site Inventory and Power Data

Sector:	B	Sector:	C
Antenna #:	I	Antenna #:	I
Make / Model:	RFS APXV18-206517S	Make / Model:	RFS APXV18-206517S
Gain:	16.7 dBd	Gain:	16.7 dBd
Height (AGL):	130	Height (AGL):	130
Frequency Bands	1900 MHz(PCS)	Frequency Bands	1900 MHz(PCS)
Channel Count	6	# PCS Channels:	6
Total TX Power:	240	# AWS Channels:	240
ERP (W):	11,225.64	ERP (W):	11,225.64
Antenna B1 MPE%	2.62	Antenna C1 MPE%	2.62

Site Composite MPE%	
Carrier	MPE%
T-Mobile	2.62
Sprint	0.19 %
Verizon Wireless	1.33 %
MetroPCS	0.56 %
AT&T	1.53 %
Site Total MPE %:	6.23 %

T-Mobile Sector 1 Total:	0.00 %
T-Mobile Sector 2 Total:	2.62 %
T-Mobile Sector 3 Total:	2.62 %
Site Total:	6.23 %

T-Mobile _per sector	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density ($\mu\text{W}/\text{cm}^2$)	Frequency (MHz)	Allowable MPE ($\mu\text{W}/\text{cm}^2$)	Calculated % MPE
T-Mobile 1900 MHz (AWS) LTE	2	2806.41	130	13.12	1900	1000	1.31 %
T-Mobile 1900 MHz (PCS) GSM	2	1403.21	130	6.56	1900	1000	0.66 %
T-Mobile 1900 MHz (AWS) UMTS	2	1403.21	130	6.56	1900	1000	0.66 %
						Total:	2.62%

Summary

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

The anticipated maximum composite contributions from the T-Mobile facility as well as the site composite emissions value with regards to compliance with FCC's allowable limits for general public exposure to RF Emissions are shown here:

T-Mobile Sector	Power Density Value (%)
Sector 2:	2.62 %
Sector 3 :	2.62 %
T-Mobile Total:	2.62 %
Site Total:	6.23 %
Site Compliance Status:	COMPLIANT

The anticipated composite MPE value for this site assuming all carriers present is **6.23%** 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