

·T· ·Mobile·

Please Reply To:  
Sam Simons  
35 Griffin Road South  
Bloomfield, CT 06002  
203-482-5156  
Sam.Simons@T-Mobile.com

August 13, 2015

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

**EM-T-MOBILE-076-140514**

T-Mobile Site ID CT11167A

8 Old Route 79, Madison, Connecticut

Notice of Compliance with Conditions and 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 March 21, 2014. The Council imposed the following condition in its acknowledgment:

- The coax shall be installed in accordance with the recommendations made in the Structural Analysis Report prepared by ATC and stamped by William Garrett on March 1, 2014;
- Not more than 45 days following completion of the antenna installation, T-Mobile shall provide documentation certifying that its installation complied with the engineer's recommendation;
- 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;
- Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by T-Mobile shall be removed within 60 days of the date the antenna ceased to function;
- 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 attached PE Closeout Letter, dated August 10, 2015, provides evidence of compliance with the conditions outlined by the Council.

In addition, T-Mobile hereby notifies the Council that construction of the acknowledged modifications were complete as of May 5, 2015.

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

Sincerely,

*Sam Simons*

Samuel Simons, T-Mobile

cc: Mark Richard, T-Mobile



Date: **August 10, 2015**

Sam Simons  
Engineering Development - Connecticut  
T-Mobile  
35 Griffin Road South  
Bloomfield, CT 06002

Paul J Ford and Company  
250 E. Broad St., Suite 600  
Columbus, OH 43215  
614-221-6679

**Subject: Structural Opinion Letter**

**Carrier Designation:**

**T-Mobile Co-Locate  
Carrier Site Number:  
Carrier Site Name:**

EM-T-MOBILE-076-140514  
CT11167A

**Engineering Firm Designation:**

**Paul J Ford and Company Project Number: 79915-0014.001.7100**

**Site Data:**

**8 Old 79, Madison, CT 06443  
Latitude 41.285533, Longitude -72.601342  
148 Foot - Monopole Tower**

Dear Sam Simons,

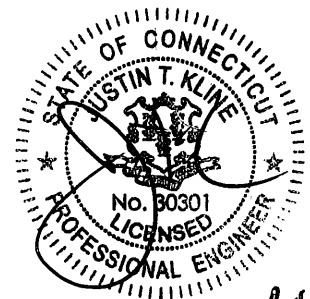
*Paul J. Ford and Company* is pleased to submit this “**Structural Opinion Letter**” for the structural integrity of the aforementioned monopole tower. The purpose of the opinion letter is to determine the suitability of the monopole tower with the proposed, and existing loading as specified in Tables 1 & 2 on the next two pages. The opinion is consistent with the guidelines as stated in the 2005 Connecticut Building Code and the TIA/EIA-222-F Structural Standards for Steel Antenna Towers and Antenna Supporting Structures using a fastest mile wind speed of 85 mph with no ice, 74 mph with 1/2 inch ice thickness and 50 mph under service loads.

Based on a comparison of the verified proposed loading (shown Table 1 & 2) versus the previous analysis loads (including wind speeds) from American Tower Corporation (job number 57303221, dated March 26, 2014) we have determined that loading is similar and should not change the opinions concluded by others.

We at *Paul J. Ford and Company* appreciate the opportunity of providing our continuing professional services to you. If you have any questions or need further assistance on this or any other projects please give us a call.

Respectfully submitted by:

Corey McCartney, EI  
Structural Designer



8/10/15

**Table 1 - Proposed Antenna and Cable Information**

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
117.0	120.0	3	ericsson	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	1	1-5/8	1
		3	ericsson	ERICSSON AIR 21 B4A B2P w/ Mount Pipe			
		3	ericsson	KRY 112 144/1			

Notes:

- 1) Verified antenna/coax installation heights and quantities

**Table 2 - Existing and Reserved Antenna and Cable Information**

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
148.0	155.5	1	miscellaneous	11' Dipole	5 12	7/8 1-5/8	1
	153.0	1	miscellaneous	6' Omni			
		1	miscellaneous	6' Dipole			
	149.0	9	miscellaneous	48" x 12" Panel			
		3	miscellaneous	72" x 12" Panel			
148.0	1	tower mounts	Low Platform Mount				
140.0	140.0	1	miscellaneous	2" x 8" GPS	12 1	1-5/8 1/2	1
		6	rfs celwave	FD9R6004/1C-3L			
		3	antel	BXA-171085-8BF-EDIN-X			
		3	antel	BXA-70063-6CF-EDIN-2			
		4	antel	LPA-80080/6CF			
		2	antel	LPA-80063/6CF			
134.0	135.0	1	raycap	DC6-48-60-18-8F	2	1.1	1
		6	ericsson	RRUS 11 (Band 12)	1	0.28	
	134.0	1	tower mounts	Flush Mount	1	3	
132.0	132.0	6	powerwave	LGP13519	12	1-5/8	1
		6	adc	DD700			
		12	miscellaneous	77" x 14" Panel			
		1	tower mounts	Low Platform Mount			
117.0	117.0	1	tower mounts	Low Platform Mount	16	1-5/8	1
106.0	107.0	1	miscellaneous	2" x 4" GPS	-	-	1
		3	miscellaneous	60" x 8" Panel			
	106.0	1	tower mounts	Flush Mount			
100.0	100.0	3	alcatel-lucent	800MHz 2X50W	-	-	1
		3	alcatel-lucent	800MHz RRH			
		3	alcatel-lucent	1900MHz 4x45			
		1	tower mounts	Flush Mount			

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
96.0	96.0	6	decibel	DB980H90E-M	6	1-5/8	1
		3	rfs	APXVSP18-C-A20		1-1/4	
		1	tower mounts	Low Platform Mount	3		
86.0	86.0	3	rfs	APXV18-206517S-C	6	1-5/8	1
		1	tower mounts	Flush Mount			
70.0	73.0	1	miscellaneous	GPS	-	-	1
	70.0	1	tower mounts	Flush Mount			

Notes:

- 1) Existing Equipment