



STATE OF CONNECTICUT  
**CONNECTICUT SITING COUNCIL**

Ten Franklin Square, New Britain, CT 06051

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**VIA ELECTRONIC MAIL**

July 21, 2020

Carolyn Seeley  
Site Acquisition Supervisor  
Empire Telecom USA, LLC  
16 Esquire Road  
Billerica, MA 01862

RE: **EM-AT&T-093-200622** – AT&T Wireless notice of intent to modify an existing telecommunications facility located at 69 Wheeler Street, New Haven, Connecticut.

Dear Ms. Seeley:

The Connecticut Siting Council (Council) is in receipt of your correspondence of July 20, 2020 submitted in response to the Council's July 7, 2020 notification of an incomplete request for exempt modification with regard to the above-referenced matter.

The submission renders the request for exempt modification complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation.

Sincerely,

*s/ Melanie A. Bachman*

Melanie A. Bachman  
Executive Director

MAB/IN/emr

**From:** Carolyn Seeley <cseeley@empiretelecomm.com>  
**Sent:** Monday, July 20, 2020 10:22 AM  
**To:** CSC-DL Siting Council <Siting.Council@ct.gov>  
**Cc:** Robidoux, Evan <Evan.Robidoux@ct.gov>  
**Subject:** RE: Council Incomplete Letter for EM-AT&T-093-200622 (Wheeler Street, New Haven)

Good Morning,  
Attached is the mount analysis and revised Notice of Exempt Modification letter for 69 Wheeler Street New Haven, CT.

Thank you,  
*Carolyn Seeley*  
Site Acquisition Supervisor



16 Esquire Road | Billerica, MA 01862  
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# Vertical Resources Group, Inc.

July 10, 2020

David P. Cooper  
Director of Program Management  
**Empire Telecom**  
16 Esquire Street  
Billerica, MA 01862

Object: LTE6C7C Engineering Mount Opinion Letter  
**Existing ±98' Tall Tower installed AT&T LTE Antenna Platform**  
Site ID: CT2037 New Haven – Wheeler St  
69 Wheeler St, New haven, CT 06512  
Our File : CT2037-LTE6C7C

Mr Cooper,

The following are the calculations for the proposed installation of AT&T Mobility's LTE6C7C equipment on a new Commscope 14' platform frame. Tower in question has been designed and manufactured by Engineered Endeavors in summer of 2000.

Code: Connecticut State Building Code 2018, I.B.C. 2018, ASCE7-16, EIA-222-G.  
Risk Category: II Exposure Category: 'C' Topographic Category: '1'  
Wind Speed: 126 Mph (CT BC 2018 ultimate gust), 97.6 Mph (nominal 3 sec gust CT BC 2018, IBC 1609.3.1)  
Ice: ¾" ø radial Snow:  $P_g$  = ground snow load = 30 Psf (CT B.C. 2018)  
 $F_A = q_z * G_H * (EPA)$   $EPA$  = Effective Projected Area =  $C_A * A_A$

New Commscope MCG22HDX14 Mount Platform Capacity Chart per pipe mount @ elevation 94':  
Maximum  $(EPA)_A$  per pipe mount  $EPA = C_A * A_A = (1) * (18.0'^2) = 18.0 \text{ Sq.Ft.}$   
Maximum  $(EPA)_A$  per sector frame  $EPA = C_A * A_A = (12) * (18.0'^2) = 216 \text{ Sq.Ft.}$

Total New Commscope design  $(EPA)_A = 216 \text{ Sq.Ft.}$

Existing & Proposed AT&T New Commscope MCG22HDX14 Platform equipment @ elevation 94':

(e) 2-Andrew SBNHH1D65A	$EPA = C_A * A_A = (2) * (1.29) * (4.5'^2) = 11.6 \text{ Sq.Ft.}$
(e) 4-CCI HPA65RBUUH6	$EPA = C_A * A_A = (4) * (1.30) * (7.4'^2) = 38.4 \text{ Sq.Ft.}$
<b>(e) 1-CCI OPA65RBU4DA</b>	<b><math>EPA = C_A * A_A = (1) * (1.20) * (6.9'^2) = 8.2 \text{ Sq.Ft.}</math></b>
<b>(e) 2-CCI OPA65RBU6DA</b>	<b><math>EPA = C_A * A_A = (2) * (1.24) * (10.2'^2) = 25.2 \text{ Sq.Ft.}</math></b>
(e) 1-Quintel QS465122	$EPA = C_A * A_A = (1) * (1.28) * (4.3'^2) = 5.5 \text{ Sq.Ft.}$
(e) 2-Quintel QS665122	$EPA = C_A * A_A = (2) * (1.35) * (6.0'^2) = 16.2 \text{ Sq.Ft.}$
<b>(P) 6-Kaelus DBCT108F1V921 (LTE700b14/850)</b>	<b><math>EPA = C_A * A_A = (6) * (1.20) * (0.5'^2) = 3.6 \text{ Sq.Ft.}</math></b>
<b>(P) 3-Ericsson RRUS-E2b29 (LTE700de)</b>	<b><math>EPA = C_A * A_A = (3) * (1.20) * (2.62'^2) = 9.4 \text{ Sq.Ft.}</math></b>
(e) 3-Ericsson RRUS-32b30 (LTEWCS)	$EPA = C_A * A_A = (3) * (1.20) * (2.28'^2) = 8.2 \text{ Sq.Ft.}$
<b>(P) 3-Ericsson RRUS-4478b14 (LTE700b14 behind panel)</b>	<b><math>EPA = C_A * A_A = (0) * (1.20) * (1.53'^2) = 0.0 \text{ Sq.Ft.}</math></b>
(e) 3-Ericsson RRUS-4478b5 (LTE850 behind panel)	$EPA = C_A * A_A = (0) * (1.20) * (1.53'^2) = 0.0 \text{ Sq.Ft.}$
(e) 3-Ericsson RRUS-32b2 (LTEPCS)	$EPA = C_A * A_A = (3) * (1.20) * (2.28'^2) = 8.2 \text{ Sq.Ft.}$
(e) 3-Ericsson RRUS-11b12 (LTE700bc)	$EPA = C_A * A_A = (3) * (1.20) * (2.32'^2) = 8.3 \text{ Sq.Ft.}$
(e) 3-Ericsson RRUS-4426b66 (LTEAWS)	$EPA = C_A * A_A = (3) * (1.20) * (1.35'^2) = 4.8 \text{ Sq.Ft.}$
<b>(e/P) 2-DC64860188F, 2-DC6486008F (Mounted to platform)</b>	<b><math>EPA = C_A * A_A = (4) * (1.20) * (2.0'^2) = 9.6 \text{ Sq.Ft.}</math></b>

Total AT&T Mobility per Platform proposed install  $EPA = 157.2 \text{ Sq.Ft.}$

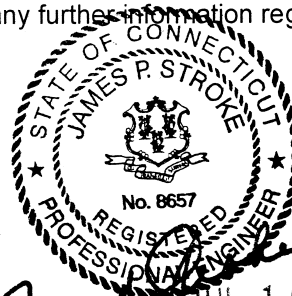
Total Commscope Design  $(EPA)_A = 216 \text{ Sq.Ft.} > \text{Total AT\&T Install equipment } (EPA)_A = 157.2 \text{ Sq.Ft.}$  **OK!**

The aforementioned existing & proposed AT&T equipment at tower elevation 94' has a smaller exposed surface area than what the Commscope MCG22HDX14 Mount Platform frame was originally designed for (approx. 72%) and therefore can safely support the proposed AT&T loads.

We trust the information presented in this offer will meet your requirements. However, please do not hesitate to contact us if you have any queries, or require any further information regarding this proposal.

Yours very truly

Miguel Nobre



Vertical Resources Group, Inc.  
23 Midstate Dr., #210 - Auburn, MA 01501  
P: 508-981-9590 F: 508-519-8939

JUL 10 2020



July 20, 2020

**TO:** Melanie A. Bachman  
Executive Director  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

**RE:** Notice of Exempt Modification  
**69 Wheeler Street, New Haven, CT 06512**  
Lat: 41.2959919  
Long: 72.897943

Dear Ms. Bachman:

AT&T Wireless currently maintains equipment at the 90' level of an existing 90' monopole located at 69 Wheeler Street, in New Haven, CT. The monopole and property is owned by Mr. Elmer F Laydon & Mr. William Laydon.

AT&T desires to modify its existing telecommunications facility by swapping: (3) OPA65RBUDA antennas, adding (3) RRUS-E2 B29 remote radio units, (3) 4478 B14 remote radio units, (1) DC squid and ancillary equipment and cables. The centerline height of the existing antennas and ancillary tower-mounted equipment is and will remain at 90 feet.

The facility was approved by the City of New Haven however they have no record of the original zoning docket number. The City of New Haven City Plan Department and Building Department confirmed this on 8/23/2016. Six conditions were enumerated in the Council's decision: 1) Any deviation from the modification as specified in the Notice and supporting documentation shall render the acknowledgement invalid; 2) Any material changes to the modification as proposed shall require the filing of a new Notice with the Council; 3) Within 45 days after the completion of construction the Council shall be notified in writing that the construction has been completed; 4) Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by AT&T shall be removed within 60 days of the date the antenna ceased to function; 5) the validity of the action shall expire one year from the date of the letter; and 6) the applicant may file a request an extension of time beyond the one-year deadline provided that such a request is submitted to the Council not less than 60 days prior to the expiration.

Please accept this application as notification pursuant to R.C.S.A. §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. §16-50j-72 (b)(2). In accordance with RCSA section 16-SOj-73, a copy of this letter and attachments is being sent to the Honorable Justin Elicker, Mayor of New Haven; Jenna Montesano, Deputy Director of Zoning; as well as to Elmer F Laydon & William Laydon the tower and property owners.

The planned modifications to AT&T's facility fall squarely within those activities explicitly provided for in R.C.S.A. §16-50j-72 (b)(2). Specifically:

1. The planned modification will not result in an increase in the height of the existing structure.
2. The proposed modifications will not involve any changes to AT&T's ground-space footprint, and therefore will not require an extension of the site boundary.
3. The proposed modification will not increase the noise level at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the modified facility will not increase radio frequency (RF) emissions at the facility to a level at or above Federal Communications Commission (FCC) safety standard. An RF emissions calculation (enclosed) for AT&T's modified facility is herein provided.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support AT&T's proposed modifications. Please see enclosed structural analysis completed by Malouf Engineering Intl., Inc. dated and stamped June 9<sup>th</sup>, 2020.

For the foregoing reasons, AT&T respectfully requests that the proposed installation be allowed within the exempt modifications under R.C.S.A. §16-50j-72 (b)(2).

Sincerely,

***Carolyn Seeley***

**Carolyn Seeley**

**Site Acquisition Supervisor**

**Empire Telecom USA LLC**

16 Esquire Road | Billerica, MA 01862

Mobile: 339-234-8975

[cseeley@empiretelecomm.com](mailto:cseeley@empiretelecomm.com)

Enclosures: Exhibit 1 – Field Card and GIS Map  
Exhibit 2 – Construction Drawings  
Exhibit 3 – Structural Analysis  
Exhibit 4 – RF Emissions Analysis Report Evaluation

cc:

City of New Haven  
165 Church Street  
New Haven, CT 06510  
Attn: Justin Elicker - Mayor

City of New Haven  
165 Church Street  
New Haven, CT 06510  
Attn: Jenna Montesano  
Deputy Director of Zoning

Mr. Elmer F Laydon &  
Mr. William Laydon  
69 Wheeler Street  
New Haven, CT 06512