



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

Web Site: www.ct.gov/csc

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

Mobile: 339-234-8397

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Website: www.EmpireTelecomm.com

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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 Sq.Ft.
Maximum (EPA)_A per sector frame EPA= C_A*A_A=(12)*(18.0'²) = 216 Sq.Ft.

Total New Commscope design (EPA)_A = 216 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 Sq.Ft.
(e) 4-CCI HPA65RBUUH6	EPA= C _A *A _A =(4)*(1.30)*(7.4' ²) = 38.4 Sq.Ft.
(e) 1-CCI OPA65RBU4DA	EPA= C_A*A_A=(1)*(1.20)*(6.9'²) = 8.2 Sq.Ft.
(e) 2-CCI OPA65RBU6DA	EPA= C_A*A_A=(2)*(1.24)*(10.2'²) = 25.2 Sq.Ft.
(e) 1-Quintel QS465122	EPA= C _A *A _A =(1)*(1.28)*(4.3' ²) = 5.5 Sq.Ft.
(e) 2-Quintel QS665122	EPA= C _A *A _A =(2)*(1.35)*(6.0' ²) = 16.2 Sq.Ft.
(P) 6-Kaelus DBCT108F1V921 (LTE700b14/850)	EPA= C_A*A_A=(6)*(1.20)*(0.5'²) = 3.6 Sq.Ft.
(P) 3-Ericsson RRUS-E2b29 (LTE700de)	EPA= C_A*A_A=(3)*(1.20)*(2.62'²) = 9.4 Sq.Ft.
(e) 3-Ericsson RRUS-32b30 (LTEWCS)	EPA= C _A *A _A =(3)*(1.20)*(2.28' ²) = 8.2 Sq.Ft.
(P) 3-Ericsson RRUS-4478b14 (LTE700b14 behind panel)	EPA= C_A*A_A=(0)*(1.20)*(1.53'²) = 0.0 Sq.Ft.
(e) 3-Ericsson RRUS-4478b5 (LTE850 behind panel)	EPA= C _A *A _A =(0)*(1.20)*(1.53' ²) = 0.0 Sq.Ft.
(e) 3-Ericsson RRUS-32b2 (LTEPCS)	EPA= C _A *A _A =(3)*(1.20)*(2.28' ²) = 8.2 Sq.Ft.
(e) 3-Ericsson RRUS-11b12 (LTE700bc)	EPA= C _A *A _A =(3)*(1.20)*(2.32' ²) = 8.3 Sq.Ft.
(e) 3-Ericsson RRUS-4426b66 (LTEAWS)	EPA= C _A *A _A =(3)*(1.20)*(1.35' ²) = 4.8 Sq.Ft.
(e/P) 2-DC64860188F, 2-DC6486008F (Mounted to platform)	EPA= C_A*A_A=(4)*(1.20)*(2.0'²) = 9.6 Sq.Ft.

Total AT&T Mobility per Platform proposed install EPA = 157.2 Sq.Ft.

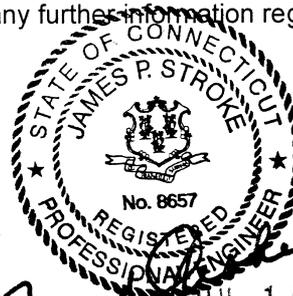
Total Commscope Design (EPA)_A = 216 Sq.Ft. > Total AT&T Install equipment (EPA)_A = 157.2 Sq.Ft. OK!

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 9th, 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

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