



STATE OF CONNECTICUT  
*CONNECTICUT SITING COUNCIL*

Ten Franklin Square, New Britain, CT 06051

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**VIA ELECTRONIC MAIL**

August 6, 2020

Moriah King  
Site Acquisition Specialist  
Empire Telecom USA, LLC  
16 Esquire Road  
Billerica, MA 01862

RE: **EM-AT&T-034-200623** – AT&T Mobility notice of intent to modify an existing telecommunications facility located 48 Newtown Road, Danbury, Connecticut.

Dear Ms. King:

The Connecticut Siting Council (Council) is in receipt of your correspondence of July 29, 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

c: Carolyn Seeley, Empire Telecom

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**From:** Carolyn Seeley <[cseeley@empiretelecomm.com](mailto:cseeley@empiretelecomm.com)>  
**Sent:** Wednesday, July 29, 2020 2:39 PM  
**To:** Nwankwo, Ifeanyi  
**Cc:** CSC-DL Siting Council  
**Subject:** RE: Council Incomplete Letter for EM-AT&T-034-200623 (Newtown Road, Danbury) CT2157

Also, I have attached a letter from the City of Danbury stating there is no record of the original facility approval.

**From:** Carolyn Seeley  
**Sent:** Wednesday, July 29, 2020 2:27 PM  
**To:** Nwankwo, Ifeanyi <[Ifeanyi.Nwankwo@ct.gov](mailto:Ifeanyi.Nwankwo@ct.gov)>  
**Cc:** CSC-DL Siting Council <[Siting.Council@ct.gov](mailto:Siting.Council@ct.gov)>  
**Subject:** Council Incomplete Letter for EM-AT&T-034-200623 (Newtown Road, Danbury) CT2157

Good Afternoon,  
Attached is the Mount Analysis and document received from the City of Danbury Planning and Zoning Dept.  
Please let me know if you need anything else.

**Thank you,**  
*Carolyn Seeley*  
**Site Acquisition Supervisor**



16 Esquire Road | Billerica, MA 01862  
Mobile: 339-234-8397  
Email: [cseeley@empiretelecomm.com](mailto:cseeley@empiretelecomm.com)  
Website: [www.EmpireTelecomm.com](http://www.EmpireTelecomm.com)

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**Re:** Zoning Verification

WCP #: 69910

The purpose of this form is to serve as a questionnaire to facilitate a dialogue with the proper zoning authority. Use the town or city Planning & Zoning in which the cell site is located to begin, and if they are unable to provide the information, contact the county office of Planning and Zoning.

Current Date: <b>November 9, 2006</b>	
Legal Property Address: <b>48 Newtown Rd, Danbury, CT 06810</b>	
The property is zoned <b><u>CG-20 General Commercial</u></b> . This is the correct zoning for this use.	
<b>YES</b>	To the best of your knowledge is the subject property zoned properly for the existence of a cellular tower?
<b>NA</b>	If the current zoning is not correct for this use, is the cell tower grandfathered as "legal non-conforming" as it was constructed prior to the zoning change?
<b>NA</b>	If there has been a change in zoning, does the jurisdiction prohibit further construction of cell sites in this town/city/county?
Comments: <b>No special use permit required under this zoning designation.</b>	

THERE ARE NO VIOLATIONS OF ANY BUILDING OR ZONING CODES, RULES, REGULATIONS OR ORDINANCES OF RECORD AT THIS TIME.

City/County of: **Danbury/Fairfield**  
 Department of: **Planning & Zoning**  
 Name: **Dennis Elpern**  
 Title: **Director**  
 Phone Number: **203-797-4556**  
 Fax Number:

Processor Signature: *Dennis Elpern* Date: 11-9-06



**Re:** Zoning Verification

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City/County of: **Danbury/Fairfield**  
Department of: **Planning & Zoning**  
Name: **Dennis Elpern**  
Title: **Director**  
Phone Number: **203-797-4556**  
Fax Number:

Processor Signature: *D. Markins* Date: 11-9-06

# Vertical Resources Group, Inc.

May 12, 2020

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

Object: RF Mod/IP Repeater Engineering Mount Opinion Letter  
**Existing 110' Tall Monopole Tower installed AT&T LTE Antenna Supports**  
Site ID: CT2157 Danbury East  
48 Newton Road, Danbury, CT 06810  
Our File: CT2157- IPRepeater

Mr Cooper,

The following are the calculations for the proposed installation of AT&T Mobility's Sirius-XM IP Repeater equipment on Sabre Industries C10-857-001C 12' sector frames newly installed for AT&T CT2157 LTE6C7C project HDG plans dated 5-18-2018. Tower in question has been designed and manufactured by unknown entity.

Code: Connecticut State Building Code 2018, I.B.C. 2018, ASCE7-16, EIA-222-G.  
Risk Category: II Exposure Category: 'B' Topographic Category: '1'  
Wind Speed: 120 Mph (CT BC ultimate gust), 93 Mph (nominal 3 sec gust CT BC, IBC 1609.3.1)  
Ice: 3/4"Ø radial Snow: P<sub>G</sub> = ground snow load = 30 Psf (CT B.C. 2018)  
F<sub>A</sub> = q<sub>Z</sub> \* G<sub>H</sub> \* (EPA) EPA = Effective Projected Area = C<sub>A</sub> \* A<sub>A</sub>

Sabre Industries C10-857-001C 12' Frame Capacity Chart per pipe mount @ elevation 100':  
Maximum (EPA)<sub>A</sub> per pipe mount EPA = C<sub>A</sub> \* A<sub>A</sub> = (1) \* (15.0'<sup>2</sup>) = 20.0 Sq.Ft. @ 300'  
Maximum (EPA)<sub>A</sub> per pipe mount EPA = C<sub>A</sub> \* A<sub>A</sub> = (1) \* (24.0'<sup>2</sup>) = 24.0 Sq.Ft. @ 100'  
Maximum (EPA)<sub>A</sub> per sector frame EPA = C<sub>A</sub> \* A<sub>A</sub> = (4) \* (24.0'<sup>2</sup>) = 96.0 Sq.Ft. @ 100'

Total Sabre Industries sector frame design (EPA)<sub>A</sub> = 104 Sq.Ft.: (Alpha sector governs)

Existing & Proposed AT&T Mobility Sabre C10-857-001C frame equipment @ elevation 100':

(e) 3-Powerwave 7770 (UMTS850 pos #4)	EPA = C <sub>A</sub> * A <sub>A</sub> = (1) * (1.31') * (4.2' <sup>2</sup> ) = 5.1 Sq.Ft.
(e) 1-CCI OPA65RLCUUH6 (LTE700de/850/WCS pos #3)	EPA = C <sub>A</sub> * A <sub>A</sub> = (1) * (1.30') * (7.4' <sup>2</sup> ) = 9.6 Sq.Ft.
(e) 2-CCI OPA65RLCUUH4 (LTE700de/850/WCS pos #3)	EPA = C <sub>A</sub> * A <sub>A</sub> = (0) * (1.23') * (4.8' <sup>2</sup> ) = 0.0 Sq.Ft.
(e) 1-Kathrein 800-10965 (LTE700b14/AWS/ pos #2)	EPA = C <sub>A</sub> * A <sub>A</sub> = (1) * (1.26') * (10.3' <sup>2</sup> ) = 12.9 Sq.Ft.
(e) 2-Kathrein 800-10964 (LTE700b14/AWS/ pos #2)	EPA = C <sub>A</sub> * A <sub>A</sub> = (0) * (1.22') * (8.1' <sup>2</sup> ) = 0.0 Sq.Ft.
(e) 1-CCI HPA65RBUUH6 (LTE700bc/PCS pos #1)	EPA = C <sub>A</sub> * A <sub>A</sub> = (1) * (1.30') * (7.4' <sup>2</sup> ) = 9.6 Sq.Ft.
(e) 2-Andrew SBNHH1D65A (LTE700bc/PCS pos #1)	EPA = C <sub>A</sub> * A <sub>A</sub> = (0) * (1.29') * (4.5' <sup>2</sup> ) = 0.0 Sq.Ft.
(e) 6-Powewave LGP21401 (UMTS850 pos #4)	EPA = C <sub>A</sub> * A <sub>A</sub> = (2) * (1.20') * (0.9' <sup>2</sup> ) = 2.1 Sq.Ft.
(e) 6-CCI TPX070821 (LTE850/700de pos #3)	EPA = C <sub>A</sub> * A <sub>A</sub> = (2) * (1.20') * (0.4' <sup>2</sup> ) = 1.0 Sq.Ft.
(e) 3-Ericsson RRUS-11b12 (LTE700bc behind panel pos #1)	EPA = C <sub>A</sub> * A <sub>A</sub> = (1) * (1.20') * (2.32' <sup>2</sup> ) = 2.7 Sq.Ft.
(e) 3-Ericsson RRUS-32b2 (LTEPCS behind panel pos #1)	EPA = C <sub>A</sub> * A <sub>A</sub> = (1) * (1.20') * (2.28' <sup>2</sup> ) = 2.7 Sq.Ft.
(e) 3-Ericsson RRUS-4478 (LTE700b14 behind panel pos #2)	EPA = C <sub>A</sub> * A <sub>A</sub> = (1) * (1.20') * (1.05' <sup>2</sup> ) = 1.3 Sq.Ft.
(e) 3-Ericsson RRUS-32b66 (LTEAWS behind panel pos #2)	EPA = C <sub>A</sub> * A <sub>A</sub> = (1) * (1.20') * (2.28' <sup>2</sup> ) = 2.7 Sq.Ft.
(e) 3-Ericsson RRUS-32b30 (LTEWCS behind panel pos #3)	EPA = C <sub>A</sub> * A <sub>A</sub> = (1) * (1.20') * (2.62' <sup>2</sup> ) = 2.7 Sq.Ft.
(P) 3- Commscope IONM23SDARS (SXM behind panel #4)	EPA = C <sub>A</sub> * A <sub>A</sub> = (1) * (1.2) * (1.36' <sup>2</sup> ) = 1.6 Sq.Ft.
(P) 3- Commscope CBC23SR43 (SXM behind panel #4)	EPA = C <sub>A</sub> * A <sub>A</sub> = (1) * (1.2) * (0.52' <sup>2</sup> ) = 0.6 Sq.Ft.
(e) 2-DC64860188F, 1-DC6486008F (Mounted to tower leg)	EPA = C <sub>A</sub> * A <sub>A</sub> = (0) * (1.2) * (2.0' <sup>2</sup> ) = 0 Sq.Ft.

Total AT&T Mobility proposed install Per Sector Frame EPA = 54.6 Sq.Ft.

Total Sabre Industries Design (EPA)<sub>A</sub> = 96 Sq.Ft. > Total AT&T Install equipment (EPA)<sub>A</sub> = 54.6 Sq.Ft. OK!

The aforementioned existing & proposed AT&T equipment at tower elevation 100' has a smaller exposed surface area than what the Sabre Industries C10-857-001C 12' Sector frame was originally designed for (approx. 58%) and therefore can safely be installed.

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

