



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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VIA ELECTRONIC MAIL

January 31, 2022

Colin Robinson
Project Manager
NETWORK BUILDING + CONSULTING
100 Apollo Drive Suite 303
Chelmsford, MA 01824
crobinson@nbcllc.com

RE: **EM-T-MOBILE-134-220103** – T-Mobile notice of intent to modify an existing telecommunications facility located at 46 Brendan Street, Stafford, Connecticut.

Dear Mr. Robinson:

The Connecticut Siting Council (Council) received a notice of intent to modify the above-referenced facility on January 3, 2022.

According to Section 16-50j-71 of the Regulations of Connecticut State Agencies, “...any modification, as defined in Section 16-50j-2a of the Regulations of Connecticut State Agencies, to an existing tower site, except as specified in Sections 16-50j-72 and 16-50j-88 of the Regulations of Connecticut State Agencies, may have a substantial adverse environmental effect.”

Staff has reviewed this exempt modification request for completeness and has identified a deficiency in the request due to lack of adequate radio frequency emissions data.

The radio frequency emissions report dated December 23, 2021 provided with the request does not include certain required values used in calculating the maximum permissible exposure in accordance with the standards adopted by the Federal Communications Commission (FCC) pursuant to Section 704 of the Telecommunications Act of 1996, as amended, and the State Department of Energy and Environmental Protection, pursuant to Section 22a-162 of the Connecticut General Statutes.

The missing values for the antenna model Fastback Networks IBR1300 include:

1. Effective Radiated Power for each frequency; and
2. Number of channels being used by each frequency.

For your convenience, below is an example of the information the Council requires for each exempt modification power density analysis from the Council’s Exempt Modification Filing Memo dated November 10, 2015.

Proposed Loading on Tower

Carrier	# of Channels	ERP/Ch (W)	Antenna Centerline Height (ft)	Power Density (mW/cm^2)	Freq. Band (MHz**)	Limit S (mW /cm^2)	Limit %MPE
Other Carriers*							X%
Carrier LTE	1	500	97	0.0217	740	0.4933	0.44%
Carrier LTE	1	500	97	0.0217	740	0.4933	0.44%
Carrier LTE	1	500	97	0.0217	740	0.4933	0.44%
Carrier GSM	2	296	97	0.0257	880	0.5867	0.44%
Carrier GSM	2	427	97	0.0371	1900	1.0000	0.37%
Carrier UMTS	1	500	97	0.0217	880	0.5867	0.37%
Carrier UMTS	1	500	97	0.0217	1900	1.0000	0.22%
Site Total							2.72%

*Per CSC Records (available upon request, includes calculation formulas)

** If a range of frequencies are used, such as 880-894, enter the lowest value, i.e. 880

Therefore, the exempt modification request is incomplete at this time. The Council recommends that Network Building+Consulting provide a revised radio frequency emissions report listing each antenna and frequency in a given sector and provide the ERP and number of channels for each, on or before February 28, 2022. If additional time is needed to gather the requested information, please submit a written request for an extension of time prior to February 28, 2022. **Please provide an electronic version and one hard copy of the requested information for the incomplete exempt modification to be rendered complete and processed. Please include the Council's exempt modification identification number referenced above with the submittal.**

This notice of incompleteness shall have the effect of tolling the Federal Communications Commission (FCC) 60-day timeframe in accordance with Paragraph 217 of the FCC Wireless Infrastructure Report and Order issued on October 21, 2014 (FCC 14-153).

Thank you for your attention to this matter. Should you have any questions, please feel free to contact me at 860-827-2951.

Sincerely,



Melanie Bachman
Executive Director

MAB/FOC/emr