

**STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL**

RE: APPLICATION BY CELLCO  
PARTNERSHIP, d/b/a VERIZON WIRELESS,  
FOR A CERTIFICATE OF ENVIRONMENTAL  
COMPATIBILITY AND PUBLIC NEED  
FOR A TELECOMMUNICATIONS FACILITY  
AT 723 LEETES ISLAND ROAD, (MEDLYN  
FARM), IN THE TOWN OF BRANFORD,  
CONNECTICUT

DOCKET NO. 413

Date: April 25, 2011

**SUPPLEMENTAL INTERROGATORY RESPONSES TO  
TOWN OF BRANFORD FROM T-MOBILE NORTHEAST LLC**

The Intervenor, T-Mobile Northeast LLC ("T-Mobile"), submits the following responses to the first set of Pre-Hearing Interrogatories propounded by the Intervenor, Town of Branford in connection with the above-captioned Application.

1. What propagation model does the applicant employ to determine calculated coverage?  
**A1 T-Mobile utilizes the Myriad propagation model, which is based upon ETSI COST 231 Okumura Hata model.**
2. What is the frequency band that is depicted in these plots?  
**A2 The frequency depicted in T-Mobile's propagation plots is 1950.000 MHz.**
3. What clutter model and what terrain data base were utilized in these calculations?  
**A3 Like Verizon and AT&T, T-Mobile objects to this interrogatory because it seeks proprietary information.**
4. What effective radiated power and antenna type along with beam tilt, if applicable, were utilized in these calculations?  
**A4 T-Mobile objects to this interrogatory to the extent it seeks proprietary information. Without waiving this objection, T-Mobile provided information responsive to this interrogatory in its responses, dated April 13, 2011. T-**

**Mobile provides the following supplemental information: the propagation plots incorporated an effective radiated power of 57.61 dBm.**

5. Were drive tests ("scan tests") that would verify the results of the calculated plots conducted? If so, please provide the data sets which were generated by the tests and note whether the data needs to be corrected for variables including, but not limited to, antenna position, gain and line loss.

**A5 Like Verizon and AT&T, T-Mobile objects to this interrogatory because it seeks proprietary information. Without waiving this objection, T-Mobile provides the following supplemental response: no drive tests were conducted.**

7. In calculating the expected coverage from the proposed site, what antenna centerlines, antenna types and effective radiated power did the applicant assume would be put in use?

**A7 T-Mobile already provided information responsive to this interrogatory. T-Mobile provides the following supplemental information: the propagation plots incorporated an effective radiated power of 57.61 dBm.**

19. In any coverage simulations what angle of downtilt was assumed for each facility depicted in the coverage map generation?

**A19 T-Mobile objects to this interrogatory because it seeks proprietary information.**

23. Have you employed stealth technology including flush mounting, combined antenna arrays (single antennas which will serve LTE, PCS and 850Mhz), and close centerline to centerline antennas (close meaning < 8ft)? If so, which of these technologies and where?

**A23 T-Mobile objects to this Interrogatory because it is unlimited in scope – the existing facilities nationwide that employ such technologies are too numerous to list. Additionally, T-Mobile notes that the Facility would employ stealth technology. T-Mobile has utilized stealth technology on several occasions in Connecticut. T-Mobile provides the following supplemental information: T-Mobile has utilized stealth technology in Connecticut. Some examples include flag poles (Milford) and flush mounted antennas (Old Lyme, Branford and Stratford). T-Mobile has employed close centerline configurations most recently outside of Connecticut.**

26. In the proposed coverage maps submitted by the Applicant, what loss margin was assumed in the modeling?

**A26 T-Mobile designs for an average loss margin of 5 percent.**

39. What are the coordinates, antenna heights, antenna types, orientations, tilt, EIRP for all of your existing wireless facilities in Branford and adjacent towns which are directed into Branford?

**A39 T-Mobile objects to this interrogatory to the extent it seeks information irrelevant to the proceedings, specifically information about facilities located in Branford and adjacent towns that are not adjacent to the proposed Facility. T-Mobile also objects to this interrogatory to the extent it seeks proprietary information and otherwise privileged information. Notwithstanding this objection, T-Mobile provided information contained in Attachment A appended to T-Mobile's initial responses to the Town's interrogatories, which included information regarding facilities adjacent to the proposed Facility. T-Mobile provides the following supplemental information contained in Attachment A appended hereto, which includes information regarding facilities adjacent to the proposed Facility.**

Respectfully Submitted,  
T-MOBILE NORTHEAST LLC

By:



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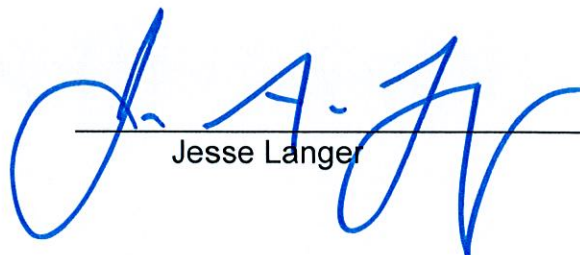
## CERTIFICATION

I hereby certify that on this day a copy of the foregoing, including all attachments, was delivered by Electronic Mail and regular mail, postage prepaid, to all parties and intervenors of record, as follows:

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Jesse Langer

# **ATTACHMENT A**

SITEID	LATITUDE	LONGITUDE	CELL	ERP (dBm)
CTNH801B	41.2746	-72.7932	CTNH801A	57
CTNH801B	41.2746	-72.7932	CTNH801B	57
CTNH801B	41.2746	-72.7932	CTNH801C	57
CT11328F	41.2742	-72.8137	CT11328A	58
CT11328F	41.2742	-72.8137	CT11328B	58
CT11328F	41.2742	-72.8137	CT11328C	58
CTNH101A	41.2777	-72.8369	CTNH101A	59
CTNH101A	41.2777	-72.8369	CTNH101B	59
CTNH101A	41.2777	-72.8369	CTNH101C	59
CT11024B	41.2833	-72.8494	CT11024A	56
CT11024B	41.2833	-72.8494	CT11024B	56
CT11024B	41.2833	-72.8494	CT11024C	56
CT11301B	41.2791	-72.8681	CT11301A	58
CT11301B	41.2791	-72.8681	CT11301B	59
CT11301B	41.2791	-72.8681	CT11301C	59
CT11623B	41.2562	-72.8757	CT11623A	59
CT11623B	41.2562	-72.8757	CT11623B	59
CT11623B	41.2562	-72.8757	CT11623C	59
CTNH102C	41.3168	-72.8196	CTNH102A	58
CTNH102C	41.3168	-72.8196	CTNH102B	58
CTNH102C	41.3168	-72.8196	CTNH102C	58
CT11302C	41.3283	-72.8191	CT11302A	56
CT11302C	41.3283	-72.8191	CT11302B	56
CT11302C	41.3283	-72.8191	CT11302C	56
CT11390G	41.3222	-72.7733	CT11390A	57
CT11390G	41.3222	-72.7733	CT11390B	57
CT11390G	41.3222	-72.7733	CT11390C	57
CTNH107A	41.2885	-72.8138	CTNH107A	58
CTNH107A	41.2885	-72.8138	CTNH107B	58
CTNH107A	41.2885	-72.8138	CTNH107C	58
CT11025B	41.2939	-72.7857	CT11025A	59
CT11025B	41.2939	-72.7857	CT11025B	57
CT11025B	41.2939	-72.7857	CT11025C	57
CTNH806A	41.2643	-72.6952	CTNH806A	58
CTNH806A	41.2643	-72.6952	CTNH806B	58
CTNH806A	41.2643	-72.6952	CTNH806C	58
CT11027D	41.3004	-72.7077	CT11027A	56
CT11027D	41.3004	-72.7077	CT11027B	56
CT11027D	41.3004	-72.7077	CT11027C	56
CT11026C	41.3151	-72.7497	CT11026A	57
CT11026C	41.3151	-72.7497	CT11026B	57
CT11026C	41.3151	-72.7497	CT11026C	57