COHEN and WOLF P.C. ATTORNEYS AT LAW

JULIE D. KOHLER

PLEASE REPLY TO: Bridgeport
E-Mail Address: jkohler@cohenandwolf.com

February 15, 2012

VIA FEDERAL EXPRESS and ELECTRONIC MAIL

Ms. Linda L. Roberts
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: Docket No. 425 – Application by T-Mobile Northeast LLC for a Certificate of Environmental Compatibility and Public Need for a Telecommunications Facility at 4 Dittmar Road in the town of Redding, Connecticut

Dear Ms. Roberts:

Enclosed herein please find the following document filed on behalf of T-Mobile Northeast LLC:

(1) An original and fifteen (15) copies of T-Mobile Northeast LLC's responses to the Connecticut Siting Council's First Set of Interrogatories.

Please contact me if you have any questions.

Very truly yours,

Julie D. Kohler

JDK/lcc
Enclosures

cc: Service List

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

RE: MESSAGE CENTER MANAGEMENT APPLICATION FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE, AND OPERATION OF A REPLACEMENT TELECOMMUNICATIONS FACILITY LOCATED AT 4 DITTMAR ROAD, IN THE TOWN OF REDDING, CONNECTICUT

DOCKET NO. 425

Date: February 15, 2012

INTERROGATORY RESPONSES TO CONNECTICUT SITING COUNCIL FROM T-MOBILE NORTHEAST LLC

T-Mobile Northeast LLC ("T-Mobile") submits the following responses to the first set of Pre-Hearing Interrogatories propounded by the Connecticut Siting Council in connection with the above-captioned Application.

9. What are the frequencies T-Mobile is licensed to use in the area covered from this facility?

A9. T-Mobile is utilizing the following frequencies in Fairfield County:

GSM Transmit:	**1940.0000 MHz to 1950.0000 MHz**
GSM Receive:	**1860.0000 MHz to 1870.0000 MHz**
UMTS Transmit 1:	**2140.0000 MHz to 2145.0000 MHz**
UMTS Transmit 2:	**2110.0000 MHz to 2120.0000 MHz**
UMTS Receive 1:	**2140.0000 MHz to 2145.0000 MHz**
UMTS Receive 2:	**2110.0000 MHz to 2120.0000 MHz**

10. Identify T-Mobile's adjacent sites with which this facility would hand off signals. Include addresses of these sites.

A10. Please see the spreadsheet attached hereto.

11. What is the signal strength for which T-Mobile designs its system? For in-vehicle coverage? For in-building coverage? Does this signal strength differ according the different frequencies T-Mobile is licensed to use?

A11. For its GSM network T-Mobile uses -84 dBm for its minimum design threshold for in-vehicle coverage and -76 dBm for its minimum design threshold for in-building coverage.

For its UMTS network T-Mobile uses -98 dBm for its minimum design threshold for in-vehicle coverage and -91 dBm for its minimum design threshold for in-building coverage.

12. What is the existing signal strength in the area T-Mobile is seeking to cover from this facility? At what frequencies?

A12. T-Mobile's existing coverage extending into the coverage objective for the proposed facility ranges from -76 dBm to -110 dBm for its GSM network and -84 dBm to -110 dBm for its UMTS network.

13. Does T-Mobile have any statistics on dropped calls in the vicinity of the proposed facility? If so, what do they indicate? Does T-Mobile have any other indicators of substandard service in this area?

A13. There is an average dropped call rate of 8.15% for the major serving cells oriented toward the proposed facility's coverage footprint.

14. What are the respective lengths of T-Mobile's existing coverage gaps on the state routes identified in the application: Route 107 and Route 58 (Black Rock Turnpike)? At which frequencies?

A14. With terrain being the limiting factor in this area the gaps are essentially the same for both frequency bands and technologies. The existing coverage gap along Route 58 (Black Rock Turnpike) is approximately 8.5 miles. The existing coverage gap along Route 107 is approximately 4.8 miles.

15. What are the respective distances T-Mobile would be able to cover on the above listed roads at its different frequencies?

A15. The approximate coverage to the above listed areas at both frequency bands is 3 miles along Route 58 and 2 miles along Route 107.

16. What are the total areas that T-Mobile would be able to cover from the proposed facility at its different frequencies — GSM and UMTS?

A16. The total area covered from the proposed facility for GSM coverage is 14.39 square miles. The total area covered from the proposed facility for UMTS coverage is 14.93 square miles.

17. What is the lowest feasible and available height at which T-Mobile's antennas could fulfill the coverage objectives from this proposed facility?

A17. The lowest height at which T-Mobile could fulfill its coverage objective from the proposed facility is 120 feet AGL.

18. Provide a propagation map, at the same scale as those provided in the application, showing the coverage possible at ten feet below the height identified in the previous question.

A18. Please see the requested propagation maps attached hereto. Included are propagation maps depicting the anticipated coverage from the proposed facility at 110 feet, as well the proposed facility at 110 feet in combination with existing T-Mobile coverage.

19. What would T-Mobile use for backup power at this site?

A19. T-Mobile will utilize battery backup power at this site.

20. What are the estimated costs of the antennas and associated equipment T-Mobile would install at this location?

A20. The estimated cost of the antennas and equipment T-Mobile would install at the facility, if approved, is $75,000.

Respectfully submitted,

T-MOBILE NORTHEAST LLC

By: _____

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CERTIFICATE OF SERVICE

I hereby certify that on this day a copy of the foregoing was delivered by Electronic Mail and First Class U.S. Mail, postage prepaid, to all parties and interveners of record, as follows:

Daniel M. Laub, Esq.
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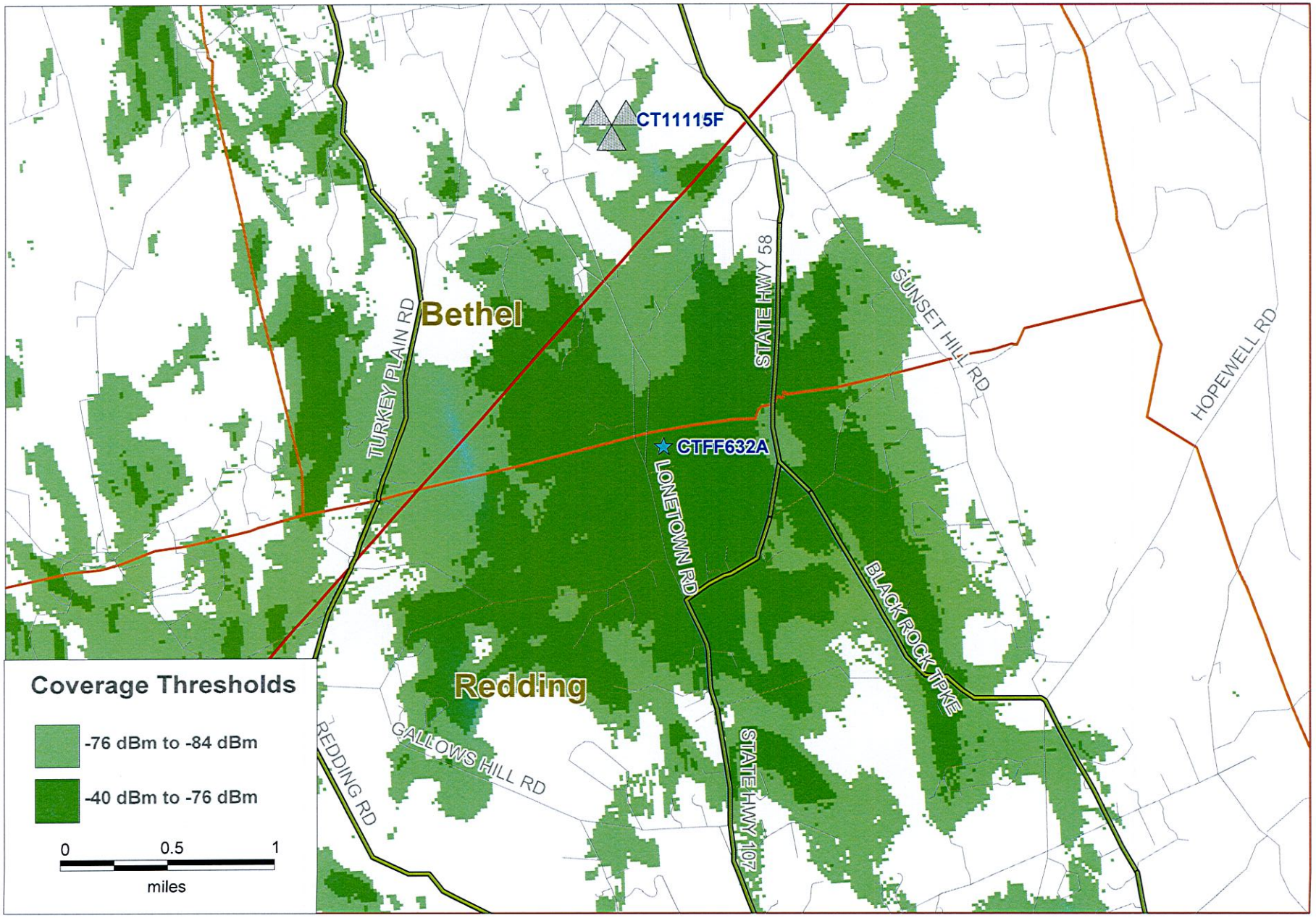
(Via email: bmonschein@pullcom.com ***)***

Julie D. Kohler, Esq.

ATTACHMENT A

Site ID	Site Name	Site Address	Town / City	Zip Code	Latitude	Longitude	Structure Type	Structure Height	T-Mobile Antenna Height
CT11115F	SNET Valley FT	38 Spring Hill Road	Bethel	06801	41.362221	-73.396668	Monopole	125 feet	102 feet
CTFF626A	Hattertown Rd Silo	90 Hattertown Road	Newtown	06470	41.363291	-73.329233	Silo	56 feet	50 feet
CT11112H	Redding Rt 7	845 Ethan Allen Hwy	Ridgefield	06877	41.313091	-73.472444	Flagpole	100 feet	97.5 feet
CT11243A	Easton Rt 2	275 North Street	Easton	06612	41.316491	-73.313468	Tree Pole	185 feet	185 feet
CT11092J	Danbury Rt 7	36 Sugar Hill Road Lake Road	Danbury	06810	41.349845	-73.469171	Monopole	108 feet	105 feet
CT11297C	Ridgefield Rt 7	746 Danbury Road	Ridgefield	06877	41.32996	-73.472265	Flagpole	100 feet	87.5 feet
CT11107B	St. Mary's	239 Greenwood Avenue	Bethel	06801	41.3723	-73.4191	Steeple	96 feet	78 feet

ATTACHMENT B

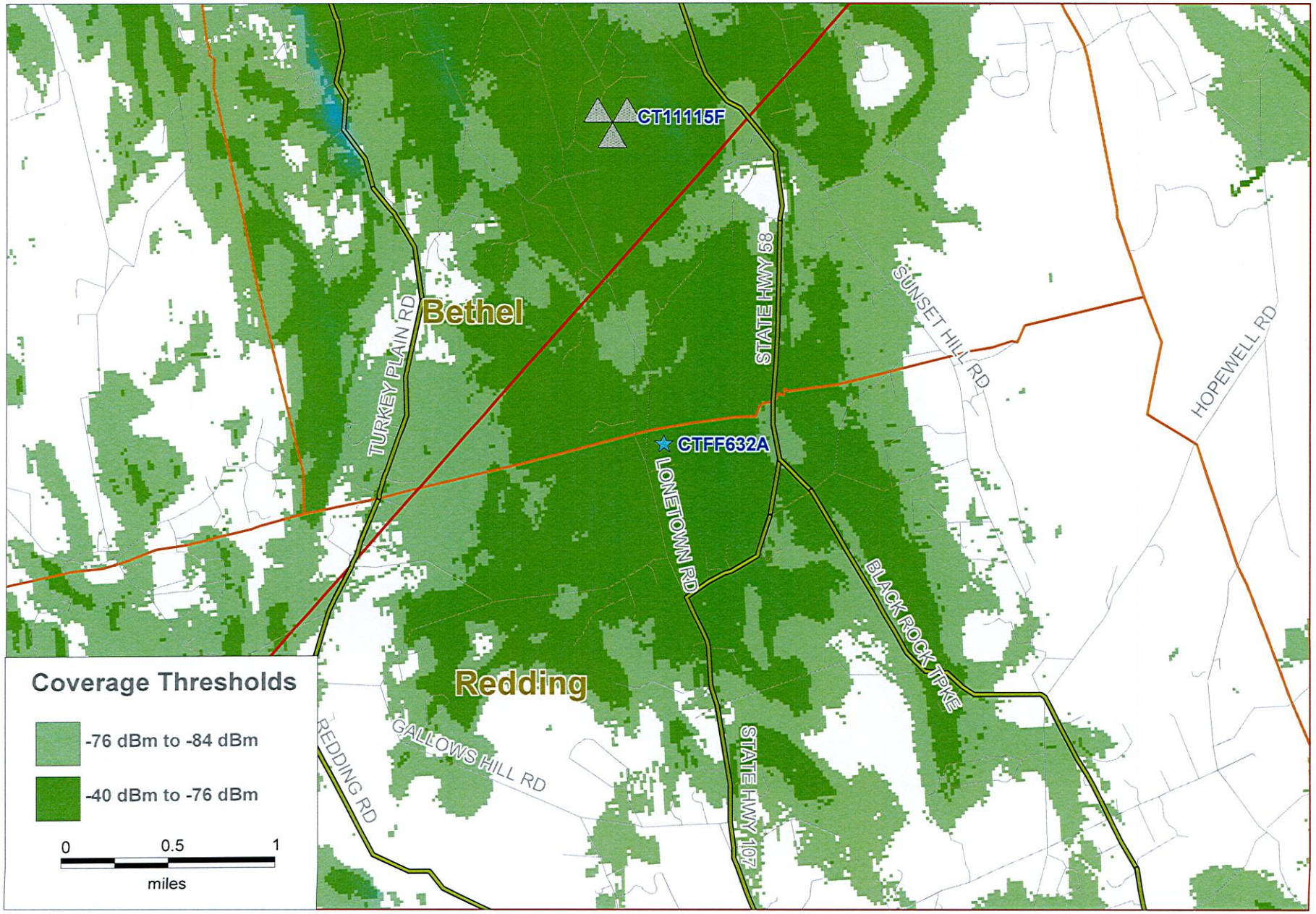


N

-T-Mobile---

CTFF632A @ 110 feet

Coverage Threshold Descriptions
Dark Green: In-Building Coverage (Residential)
Light Green: In-Vehicle Coverage



-T-Mobile---

Existing T-MobileOn Air Coverage
With CTFF632A @ 110 feet

Coverage Threshold Descriptions
Dark Green: In-Building Coverage (Residential)
Light Green: In-Vehicle Coverage