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July 6, 2007

**CONNECTICUT
SITING COUNCIL**

VIA FEDEX PRIORITY OVERNIGHT

S. Derek Phelps
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: T-Mobile – 836 Foxon Road, East Haven

Dear Mr. Phelps:

Enclosed herein please find an original plus twenty (20) copies of the Interrogatory Responses to The Connecticut Siting Council of Intervenor T-Mobile relative to the above-mentioned matter.

Should you have any questions please do not hesitate to call me directly.

Very truly yours,



Carrie L. Larson

CLL:lv
Enclosures

cc: Thomas J. Regan
Kenneth C. Baldwin

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

SPRINT NEXTEL CORPORATION
APPLICATION FOR A CERTIFICATE
OF ENVIRONMENTAL COMPATIBILITY
AND PUBLIC NEED FOR THE
CONSTRUCTION, MAINTENANCE AND
OPERATION OF A TELECOMMUNICATIONS
FACILITY LOCATED AT 836 FOXON ROAD,
EAST HAVEN, CONNECTICUT.



JULY 6, 2007

**INTERROGATORY RESPONSES TO THE CONNECTICUT SITING COUNCIL
OF INTERVENOR T-MOBILE**

Intervenor T-Mobile submits the following responses to the interrogatories from the Connecticut Siting Council in connection with the above captioned Docket.

Q1. What are T-Mobile's licensed frequencies in New Haven County?

A1. T-Mobiles licensed frequencies in New Haven County are:

Upper 2/3 A Band
Channels 536 to 588

Transmit: 1935.000 MHz to 1945.000 MHz
Receive: 1855.000 MHz to 1865.000 MHz

C Band (C4)
Channels 762 to 785

Transmit: 1980.200 MHz to 1984.800 MHz
Receive: 1900.200 MHz to 1904.800 MHz

Q2. Provide the following information for T-Mobile antennas that would be installed on this tower: number of channels per sector for each antenna system that would be installed on the proposed tower, ERP per channel for each antenna system, frequency at which each antenna system would operate, and height at which T-Mobile antennas would be installed.

A2. T-Mobile would install the proposed facility with 2 channels per sector with a maximum of 8 per sector at 25 watts per channel out of the individual radios. If all 8 channels were operational, this would have a composite output level of 1978.93 Watts EIRP (Effective isotropic Radiating Power)

from each sector out of the antenna (antenna gain factored in). This level equates to 6.17% of the FCC allowed output under T-Mobile's frequency licenses. A calculation sheet is attached with this response outlining these values.

The frequencies that T-Mobile will be operating at are listed above in response to Interrogatory #1.

The T-Mobile Antennas are proposed at a centerline height of 87' AGL

Q3. What is the signal strength for which T-Mobile designs its wireless system?

A3. T-Mobile's minimum design signal strength is -84 dBm.

Q4. What is T-Mobile's existing signal strength in the area that would be covered by its antennas on the proposed tower?

A4. T-Mobile's existing signal strength in the area that would be covered by its antennas on the proposed tower ranges from -85 dBm down to -97 dBm.

Q5. Define the area T-Mobile would be seeking to cover by locating antennas on this proposed tower.

T-Mobile's intended coverage objective from the proposed tower is along Route 80, connecting existing coverage to the west from on air site CT11049A (located at the intersection of I-91 and Route 80) and existing coverage from the east from on air site CT11302C (located east on Route 80 from the proposed facility). Additionally, coverage would be added to the top part of Route 100 at the junction of Route 80 and the immediate surrounding secondary roadways and residences.

Q6. Does T-Mobile have a coverage gap on Route 80? If so, what is the size of this gap?

A6. T-Mobile does have a coverage gap along Route 80. It is 1.39 miles in length.

Q7. What would be the distance on Route 80 that T-Mobile's antennas would cover?

A7. T-Mobile's proposed antenna installation would cover approximately 2.9 miles along Route 80, allowing adequate overlap with surrounding sites for hand over completion.

Q8. What is the total area that T-Mobile's antennas would cover from this site?

A8. The total area that T-Mobile would cover from this site is: 6.488 square miles.

Q9. With which existing T-Mobile facilities would antennas at this location hand off signals? Identify sites by height of structure, height of antennas, type of structure, address, distance, and direction from the proposed site.

The proposed T-Mobile facility would hand off to the following sites:

1) **CT11049A**: Billboard installation located at 159 Middletown Ave, New Haven, CT
Antenna Height: 95' AGL

2) **CT11302C**: Monopole located at 108 Foxon Road, North Branford, CT
Antenna Height: 147' AGL

Q10. Provide propagation maps showing T-Mobile's existing coverage and T-Mobile's proposed coverage.

A10. See propagation maps attached hereto as Exhibit 1.

Q11. How many antennas would T-Mobile install on the proposed tower? How would they be mounted?

A11. T-Mobile would install a total of 3 antennas (one per sector). The antennas would be internally mounted.

Respectfully submitted,
T-Mobile

By  _____

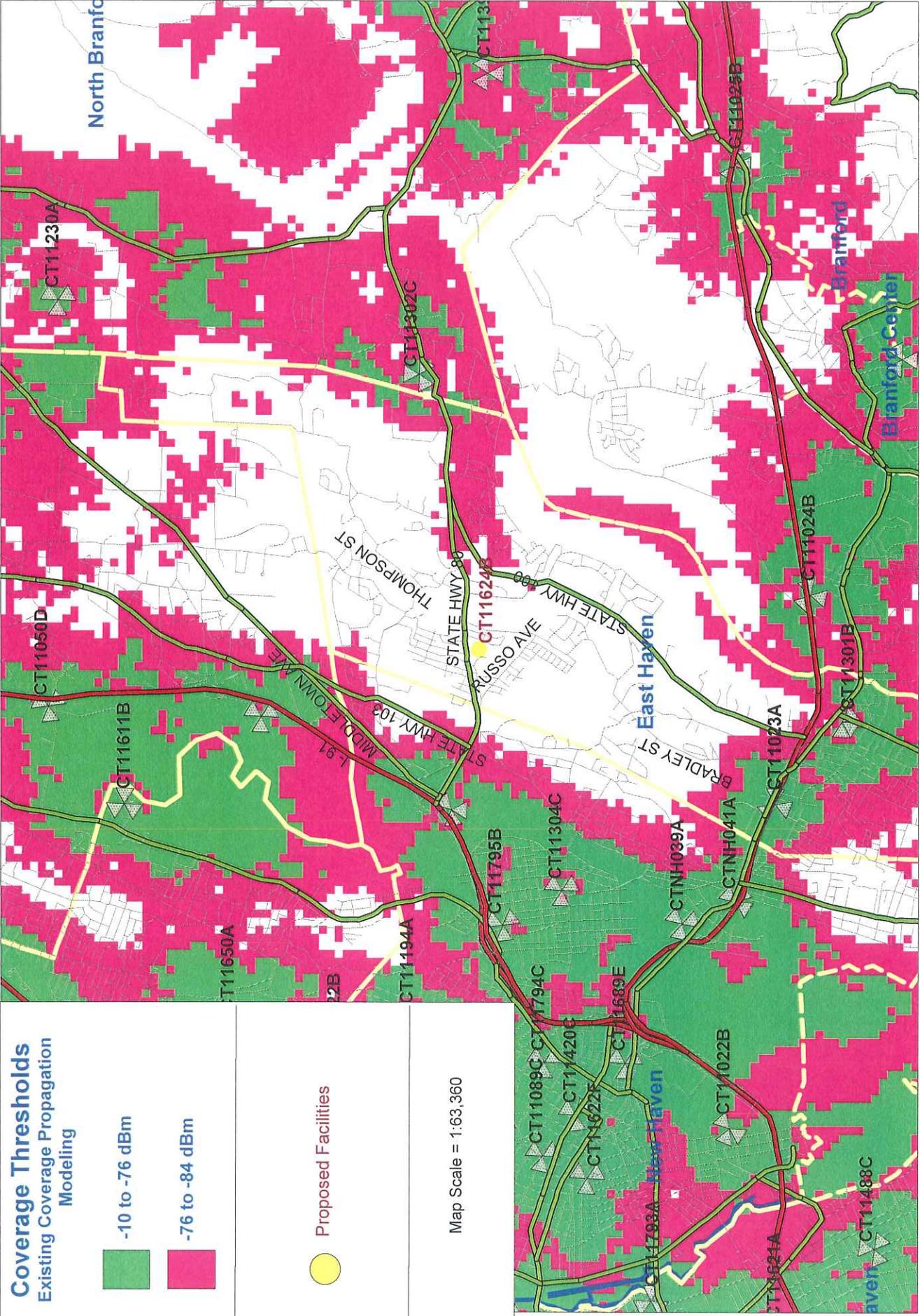
Julie D. Kohler, Esq.
Carrie L. Larson, Esq.
Cohen and Wolf, P.C.
1115 Broad Street
Bridgeport, CT 06604
(203)368-0211
Its Attorneys

Coverage Thresholds
Existing Coverage Propagation Modeling

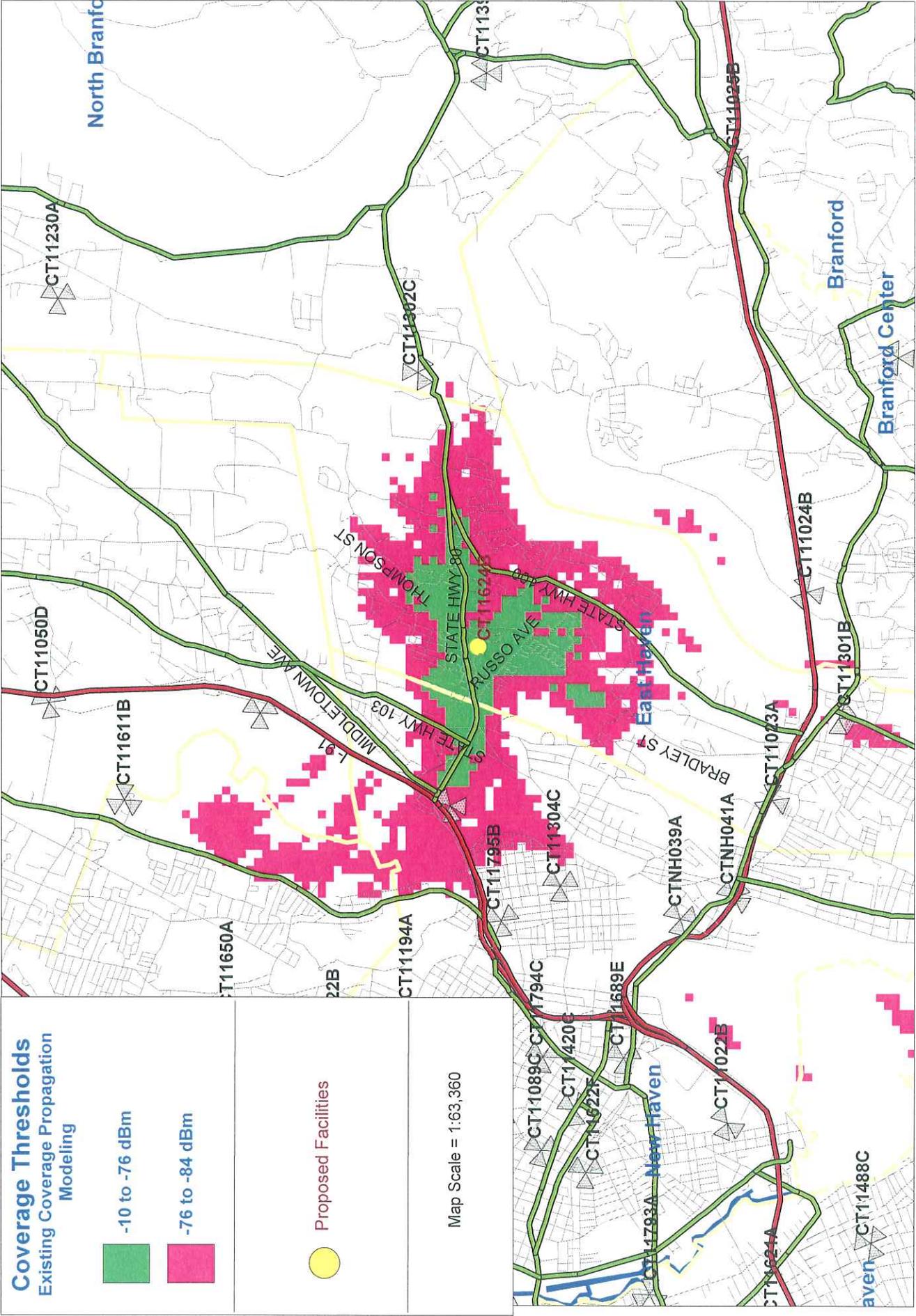
- 10 to -76 dBm
- 76 to -84 dBm

Proposed Facilities

Map Scale = 1:63,360



Existing T-Mobile On Air Coverage



Coverage Thresholds
Existing Coverage Propagation Modeling

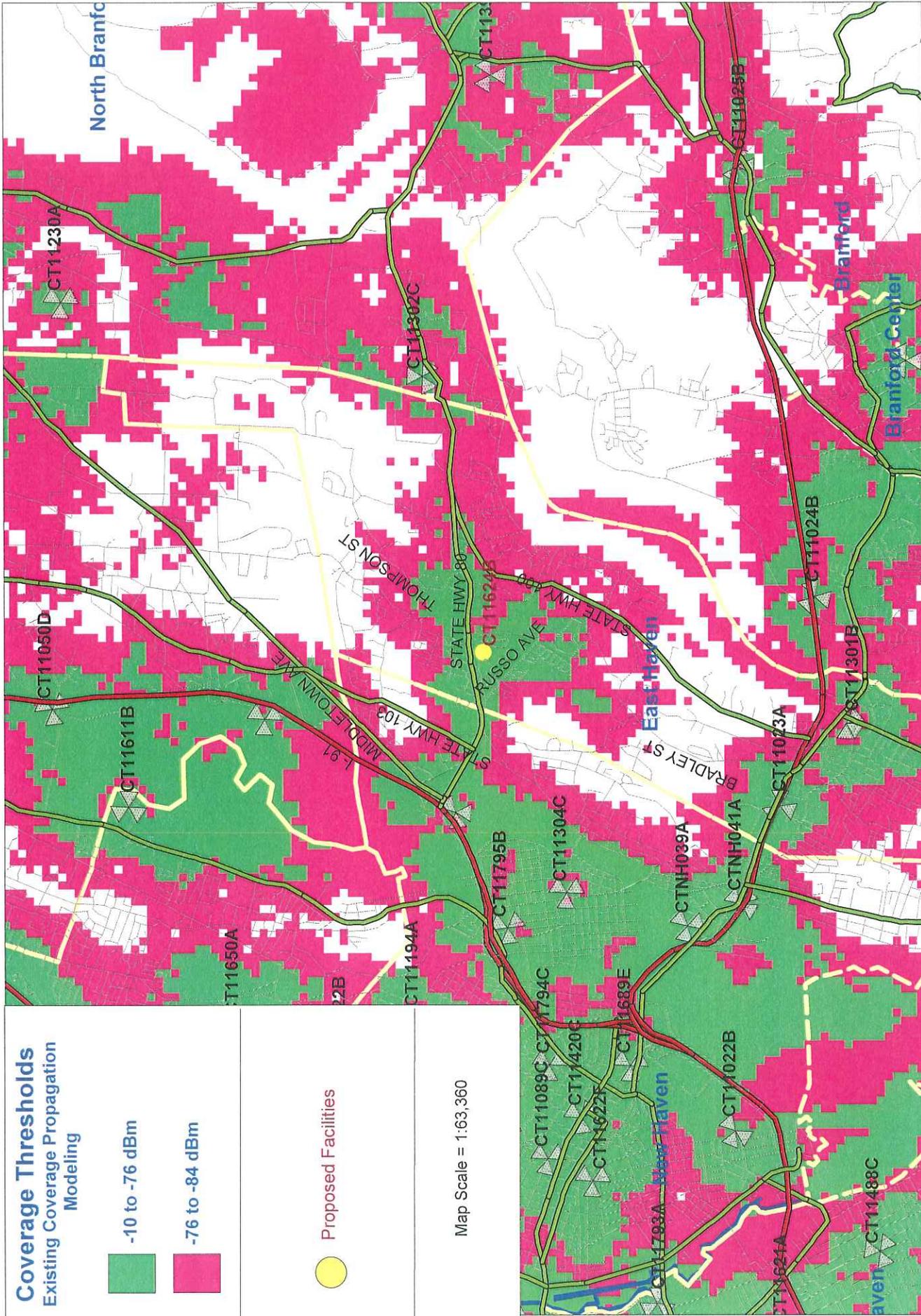
- 10 to -76 dBm
- 76 to -84 dBm

Proposed Facilities

Map Scale = 1:63,360



T-Mobile Proposed CT11624B facility @ 87'

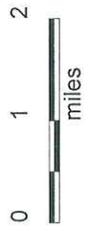


Coverage Thresholds
Existing Coverage Propagation Modeling

- 10 to -76 dBm
- 76 to -84 dBm

Proposed Facilities

Map Scale = 1:63,360



Existing T-Mobile On Air Coverage With CT11624B @ 87'

Certification

This is to certify that a copy of the foregoing has been mailed, this date to all parties and intervenors of record.

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City Place I, 185 Asylum Street
Hartford, CT 06103-3402

Kenneth C. Baldwin
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597



Carrie L. Larson, Esq.