

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE: :
: :
APPLICATION OF CELLCO PARTNERSHIP : DOCKET NO. 332
D/B/A VERIZON WIRELESS FOR A : :
CERTIFICATE OF ENVIRONMENTAL : :
COMPATIBILITY AND PUBLIC NEED FOR : :
THE CONSTRUCTION, MAINTENANCE AND : :
OPERATION OF A TELECOMMUNICATIONS : :
FACILITY IN WASHINGTON, CONNECTICUT : JUNE 8, 2007

RESPONSES OF CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS
TO TOWN OF WASHINGTON PRE-HEARING REQUEST
FOR INFORMATION AND DOCUMENTATION

On May 29, 2007, Cellco Partnership d/b/a Verizon Wireless (“Cellco”) received a request for information/documentation from Attorney Steven Smart on behalf of the Town of Washington (the “Town”). Responses to this request are provided in paragraphs 1 through 5 below. On May 31, 2007, Cellco received a request for additional information from the Town.

Cellco’s response to this second request is included in paragraph 6.

1. A copy of the non-ionizing radiation report that was referred to in the Application. Please provide all assumptions and technical parameters that were used in the calculations and the specific formulas from FCC OET Bulletin 65 that were used.

Response

In Section III.D.3.c. of the Application entitled Non-Ionizing Radio Frequency Radiation, Cellco refers to a maximum power density calculation that it performed in accordance with the methodology prescribed by the FCC in OET Bulletin 65. This worst-case calculation table was also provided to the Town as a part of Cellco’s Technical Report submitted on January 19, 2007.

A copy of that table is attached behind Tab 1 of these responses. As discussed in the Application, this worst-case calculation is an approximation of radio frequency (RF) power density levels at the closest accessible point to the antennas, in this case the base of the tower, and with all antennas transmitting simultaneously on all channels, at full power.

The formula, taken directly from OET Bulletin 65 is: $S = (0.64) (1.64) (ERP)/3.14R^2$.

2. The technical parameters that were used to produce the propagation maps from the existing and/or adjacent sites, including antenna types, orientation, elevation, down tilt and site coordinates. Also any other propagation maps for other sites under consideration in this general location.

Response

Antenna Type: Antenna specifications are included in Attachment 7 of the Application.

Antenna Orientation: Sector 1 - 30°; Sector 2 - 150°; and Sector 3 - 270°.

Antenna Elevation: Centerline Height – 150' AGL (see Attachments 1 and 2 of the Application).

Antenna Down Tilt: None.

Site Coordinates: See Attachment 1, page 4; and Attachment 2, page 4 of the Application.

The only other cell site currently under consideration by Cellco in the Washington, Connecticut area is located at the Northville Volunteer Fire Department, 10 Main Street in New Milford. Cellco has not yet commenced the Siting Council application process for this location. A copy of the propagation plot for the Northville Fire Department site is included behind Tab 2.

3. Copies of any drive tests and other data such as dropped call reports, that were used to establish the presence of the coverage gap referred to in the Application.

Response

Cellco did not perform a drive test at either alternative cell site location. Because Cellco has no coverage in the Washington area there is no data on dropped calls or ineffective attempts available.

4. A copy of the “gap map” and search ring that apply to this Application.

Response

Cellco is not familiar with the term “gap map”. Cellco uses its propagation modeling tools, fine tuned with base-line drive data to help it identify coverage gaps in a particular area. Attachment 7 of the Application includes propagation maps for Cellco’s only two existing cell sites in the Washington, Connecticut area identified as New Milford East and Litchfield Southwest. Cellco maintains reliable wireless coverage only in those areas shown in yellow. All other areas are considered gaps in coverage. The search ring map for the Washington North search area is included behind Tab 3 of these responses.

5. The Applicant’s rationale for the -85 dBm signal strength objective.

Response

Cellco has established a minimum coverage signal design threshold for its wireless system nationwide. This design threshold represents the minimum signal strength Cellco attempts to achieve in order to provide its customers with high-quality, reliable and uninterrupted voice and data transmissions.

6. Provide a rendering of the slender monopole referenced in the Docket No. 332 Application.

Response

A rendering of a traditional (slender) monopole tower is provided in the Application, Attachments Tabs 2 and 3, Sheet C-2A of the project plans for each of the proposed cell sites.

CERTIFICATE OF SERVICE

I hereby certify that on the 8th day of June, 2007, a copy of the foregoing was mailed,
postage prepaid, to:

Town of Washington

Steven R. Smart, Esq.
Riefberg, Smart, Donohue & NeJame, P.C.
9 Old Sugar Hollow Road
Danbury, CT 06810

and

Richard C. Sears
First Selectman
Washington Town Hall
P.O. Box 383
2 Bryan Plaza
Washington Depot, CT 06794

AT&T Wireless PCS, LLC

Christopher B. Fisher, Esq.
Cuddy & Feder LLP
445 Hamilton Avenue, 14th Floor
White Plains, NY 10601


Kenneth C. Baldwin

General Power Density

Site Name: Washington North
 Tower Height: Verizon @ 150 Ft.

Operator	Operating Frequency (MHz)	Number of Trans.	ERP Per Trans. (watts)	Total ERP (watts)	Distance to Target (feet)	Calculated Power Density (mW/cm ²)	Maximum Permissible Exposure* (mW/cm ²)	Fraction of MPE (%)
Verizon	1900	6	256	1536	150	0.0246	1	2.46%
Total Percentage of Maximum Permissible Exposure								2.46%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

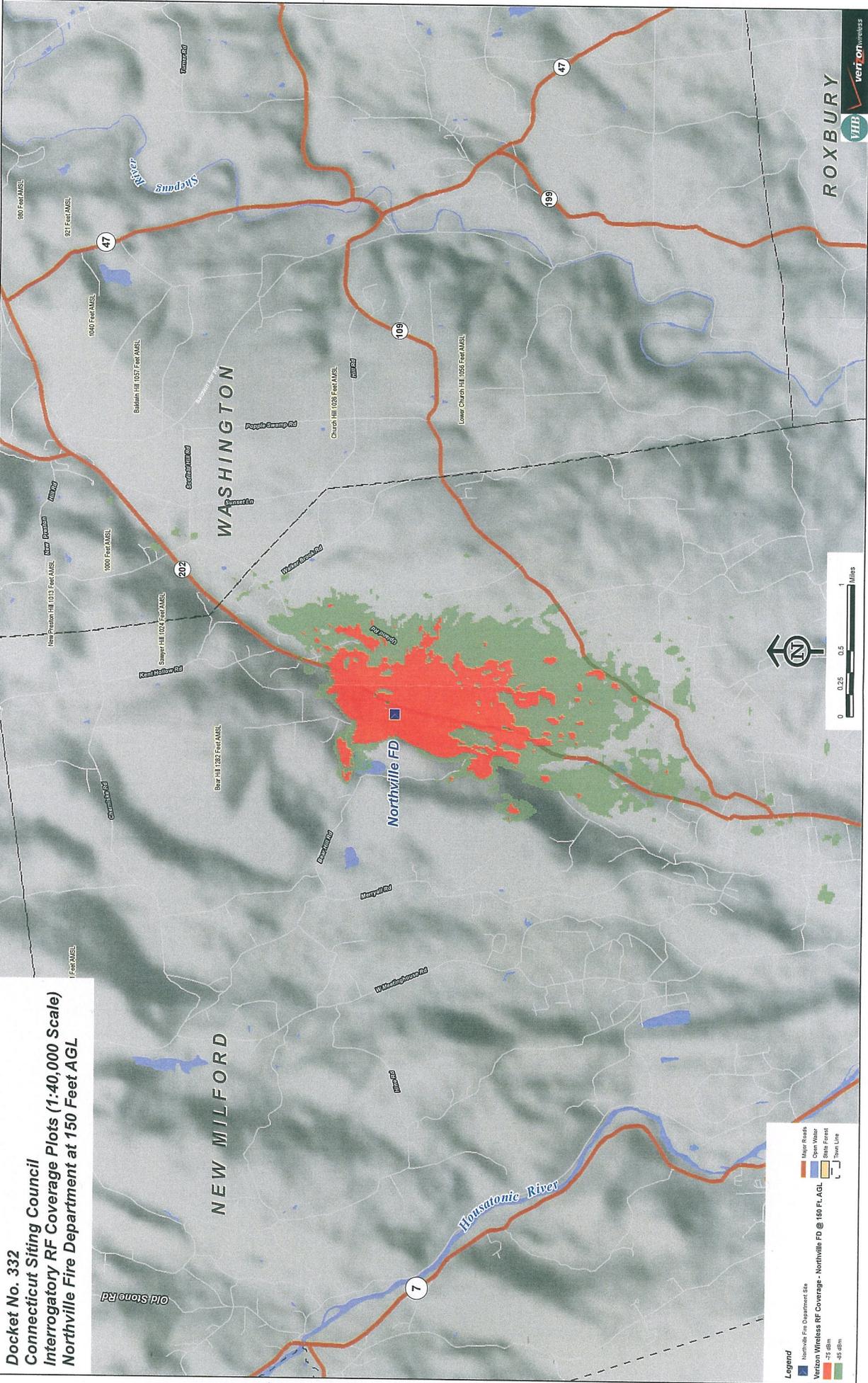
MHz = Megahertz

mW/cm² = milliwatts per square centimeter

ERP = Effective Radiated Power



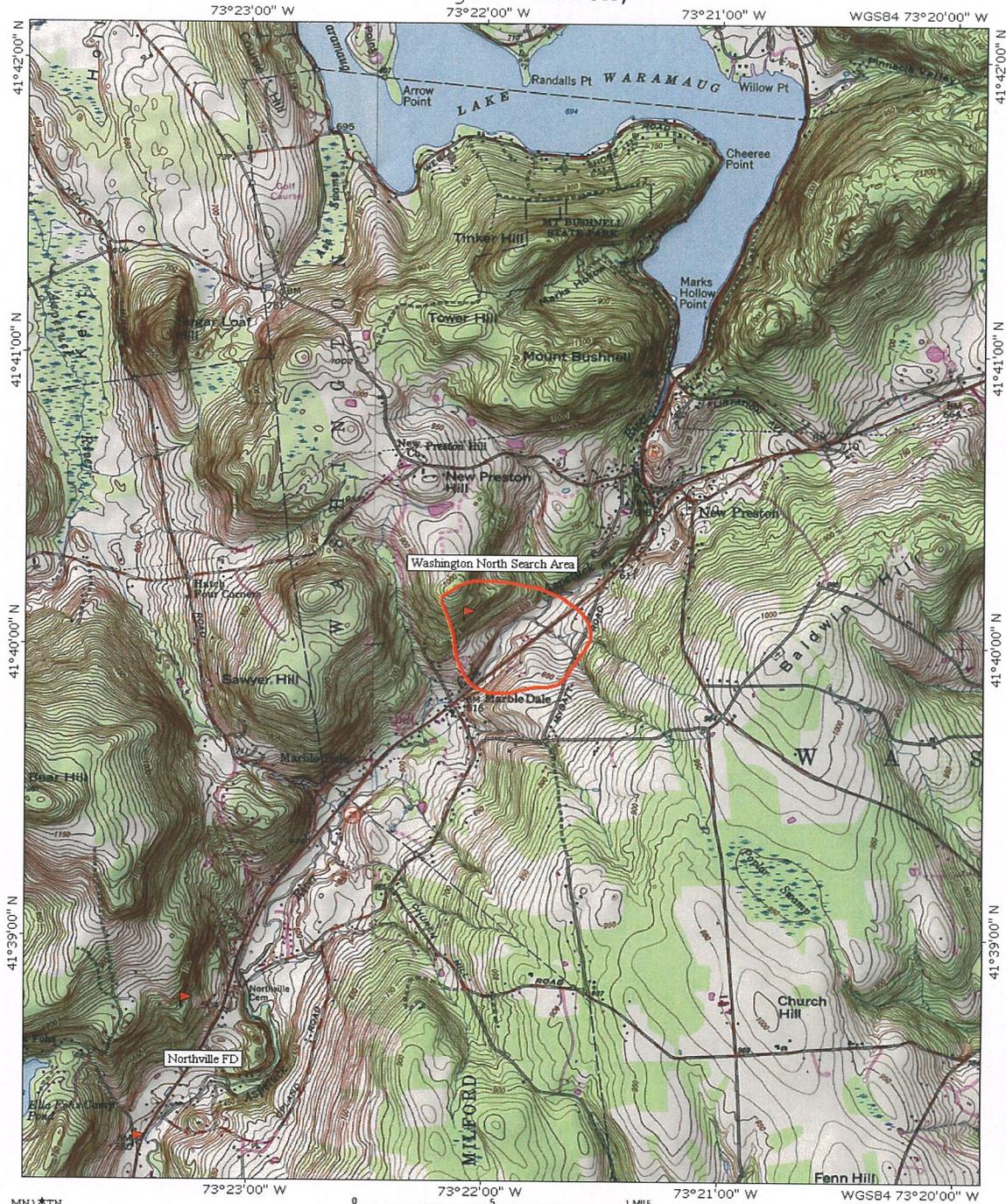
Docket No. 332
Connecticut Siting Council
Interrogatory RF Coverage Plots (1:40,000 Scale)
Northville Fire Department at 150 Feet AGL



- Legend**
- Northville Fire Department Site
 - Major Roads
 - Open Water
 - Verizon Wireless RF Coverage - Northville FD @ 150 Ft. AGL
 - State Forest
 - 45 dBm
 - 40 dBm
 - Town Line



Washington North,



CT MN 14° TN

0 1000 FEET 0 500 1000 METERS 1 MILE
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