

**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

IN RE:

APPLICATION BY PHOENIX PARTNERSHIP, LLC
FOR A CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AND PUBLIC NEED FOR
THE CONSTRUCTION, MAINTENANCE AND
OPERATION OF A TELECOMMUNICATIONS
FACILITY AT 50 DEVINE STREET,
NORTH HAVEN, CONNECTICUT

DOCKET 384

NOVEMBER 24, 2009

PRE-FILED TESTIMONY OF ANTHONY WELLS

Q1. Please summarize your professional background in telecommunications.

A. My career in the wireless industry has spanned the past nineteen years initially for wireless service providers including NYNEX Mobile, now Cellco Partnership (d/b/a Verizon Wireless) and Sprint PCS, now Sprint Nextel. In August, 2000, I started my own radio frequency ("RF") consulting and design business called C Squared Systems, LLC ("C Squared"). C Squared currently provides RF design services to the wireless industry throughout New England. I have extensive experience appearing and testifying before the Connecticut Siting Council. A copy of my resume is attached hereto as Exhibit 1.

Q2. Please describe your involvement with Youghiogheny Communications Northeast LLC d/b/a Pocket Wireless.

A. Youghiogheny Communications Northeast LLC d/b/a Pocket Wireless ("Pocket") is a new wireless carrier in the Connecticut marketplace. Pocket launched service in the Hartford market area in January, 2009 and in the New Haven market in September, 2009. C Squared was retained by Pocket to design its network in Connecticut.

Q3. What does your testimony address?

A. The purpose of my testimony is to provide information relating to Pocket's existing network in this area of the state and to describe the need for a proposed facility in the area. This includes information on the general design of Pocket's network, the technical constraints in selecting proposed facilities, and the specific need for a facility at the Site in the above referenced application.

Q4. Please describe Pocket's wireless network in Connecticut.

A. As discussed above, Pocket is a new entrant to the Connecticut marketplace. Pocket is licensed by the Federal Communications Commission to provide AWS (Advanced Wireless Services) using frequencies in the 2100 MHz range. Pocket currently operates a number of sites in Connecticut, with plans to operate approximately 500 sites. Current efforts are directed to providing signal to areas without coverage. Each new site must be chosen to meet the need for coverage and/or capacity without creating RF interference among sites.

Q5. What requirements does the nature of wireless technology place on Pocket's selection of cell site locations?

A: Like all personal communications service providers, Pocket's wireless network is based on the principle of frequency reuse. Cell site locations must be chosen to provide for sufficient signal strength overlap to allow call hand-off between cells without creating unnecessary duplicative coverage and frequency interference. Terrain variations and local land use policies and development further limit cell site locations.

Technological advances in service, such as the availability of data and video services through customer handsets, are also significant factors in system development.

Increased customer demand and expectations resulting from those advances drive the need for additional sites.

Pocket's required lower limit threshold is -84 dBm, which is expected to provide reliable in-vehicle coverage. A higher threshold level of -79 dBm is the minimum required to provide reliable in-building coverage. At levels below the -84 dBm threshold, signal degradation would be expected to result in areas of unreliable service to Pocket customers for voice and data services. In addition, levels below -84 dBm would adversely affect Pocket's ability to provide reliable E-911 services.

Q6. Please describe Pocket's need for the proposed facility.

A. The interrelationship between the proposed facility and Pocket's existing system (including recently approved but not yet on-air sites) is depicted in the propagation plots attached to Pocket's interrogatory responses dated October 13, 2009 at Exhibit 1. As shown, Pocket currently experiences a coverage gap in this area of North Haven, along I-91 and the surrounding areas.

Q7. How did Pocket analyze the proposed Site?

A. On behalf of Pocket, C Squared's RF engineers utilized propagation prediction tools to determine the potential effectiveness of the proposed locations in meeting the identified coverage need. That analysis took into account the coverage objective, Pocket's existing on-air/approved sites in this area and the terrain and land uses that exist in this area. The analysis confirmed that a facility would provide service to the target area and would improve service generally within the area. The analysis also revealed that an antenna center line of 117' AGL at the Site would allow Pocket to achieve the coverage objective levels in this area.

Q8. Please summarize the basis for the height of this proposed facility

A. As indicated above, the results of the analysis conducted for the proposed North Haven facility confirmed the minimum height required to fully cover the intended coverage objective is 117' AGL.

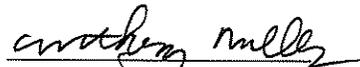
Q9. Is adequate coverage necessary to provide consistent and reliable 911 service?

A. Yes. Pocket's installation on the proposed Facility will permit Pocket to provide consistent and reliable E-911 coverage in this area of North Haven.

Q10. Have you calculated the RF emission levels for Pocket's installation on the proposed Facility?

Yes. Included in Phoenix Partnership's application are the calculations concerning Pocket's RF emissions from the proposed Facility. As you can see, emissions from operation of Pocket's antennas and equipment on the proposed Facility will be well below the maximum power density levels as outlined by the FCC in the OET Bulletin 65 Ed. 97-01. Pocket's emissions from the proposed installation will be 5.53% of the maximum permissible.

11/23/2009
Date


Anthony Wells