

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

In Re:

APPLICATION OF SBA TOWER II, LLC FOR A)	
CERTIFICATE OF ENVIRONMENTAL)	DOCKET NO. 387
COMPATIBILITY AND PUBLIC NEED FOR THE)	
CONSTRUCTION, MAINTENANCE, AND)	
OPERATION OF A WIRELESS)	December 1, 2009
TELECOMMUNICATIONS FACILITY IN THE)	
AT 44 GAVITT ROAD IN THE TOWN OF)	
BARKHAMSTED, CONNECTICUT)	

AT&T RESPONSES TO SITING COUNCIL
PRE-HEARING INTERROGATORIES SET I

- Q1. What are AT&T's licensed operating frequencies in this part of the state?
- A1. AT&T's licensed operating frequencies in this part of the state include the 850 MHz ("cellular") band, specifically 880-894 MHz, as well as the 1900 MHz ("PCS") band. Initially AT&T will install 850 MHz cellular service and expand to the 1900 MHz PCS service to provide additional capacity as needed.
- Q.2 What is the design signal strength for AT&T's system for in-vehicle coverage? For in-building coverage?
- A2. AT&T designs for -82 dBm in-vehicle coverage and -74 dBm in-building coverage.
- Q3. What is the existing signal strength in the area AT&T would serve from the proposed site?
- A3. The existing coverage in this area is between -90 and -105 dBm. This site will improve coverage along route 179 and 214, in addition to providing service to other local roads and in the wider area surrounding the proposed facility.
- Q4. What would be the total area AT&T could cover from the proposed site?
- A4. The total area AT&T can cover from the proposed facility at the proposed height of 167' is approximately 6.9 square miles at -82dBm.
- Q5. What are the lengths of AT&T's coverage gaps on Route 219 and Route 179 in the vicinity of the proposed facility?
- A5. The length of AT&T's gap in coverage along Route 219 is approximately 3.8 miles. The length of AT&T's coverage gap along Route 179 is approximately 3.3miles.

- Q6. What is the distance AT&T could cover on Route 219 from the Proposed Site? On Route 179?
- A6. At -82dBm, AT&T's in-vehicle design standard, AT&T would be able to provide approximately 2.48 miles of coverage along Route 219 and 2.6 miles of coverage along Route 179.
- Q7. Identify, by address, sites which AT&T's antennas at the proposed site would hand-off signals - include type and height of structure and height of AT&T's antennas on structure and distance and direction from the proposed tower.
- A7. The proposed facility would hand off to Site 1167, a 120' AT&T-owned monopole located at 350 Hartland Boulevard in the Town of Hartland. AT&T's antennas at Site 1167 are located at 120' AGL. Interaction with Site 1170 is also anticipated. Site 1170 is a 120' monopole tower located at 30 Higley Road in Granby. AT&T's antennas at Site 1170 are located at 120' AGL.
- Q8. What is the proposed minimum height at which AT&T could achieve its coverage objectives from the proposed site?
- A8. The minimum height at which AT&T could achieve its coverage objectives is 157'. However, at 157', AT&T's coverage would be approximately .23 square miles less than the proposed height of 167'.
- Q9. Provide a propagation map showing what AT&T's coverage would be at 10 feet below its antennas' proposed heights at the proposed site.
- A9. Attached please find a coverage map depicting current coverage plus that of the proposed site with AT&T's antennas at 157' AGL. This coverage map was created on October 26, 2009.
- Q10. What is the approximate cost of the antennas and related equipment that AT&T would install at the proposed facility?
- A10. The approximate cost of antennas and associated equipment is \$250,000.
- Q11. What would AT&T use for backup power?
- A11. AT&T's proposed emergency backup power plan relies on battery backup as well as a permanent diesel generator to be located on a 4' x 11' generator pad.

CERTIFICATE OF SERVICE

I hereby certify that on this day, a copy of the foregoing was sent electronically and by overnight mail to the Connecticut Siting Council with copy to:

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Dated: December 1, 2009

A handwritten signature in black ink, appearing to read 'D. M. Laub', with a horizontal line extending to the right from the end of the signature.

Daniel M. Laub

cc: Michele Briggs, AT&T
John Blevins, AT&T
Marie Burbank, SAI