

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

IN RE:

APPLICATION OF NEW CINGULAR WIRELESS PCS,  
LLC (AT&T) FOR A CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY AND PUBLIC  
NEED FOR THE CONSTRUCTION, MAINTENANCE  
AND OPERATION OF A TELECOMMUNICATIONS  
TOWER FACILITY LOCATED AT THE FIRSTLIGHT  
HYDRO GENERATING COMPANY PROPERTY AT  
KENT ROAD IN THE TOWN OF NEW MILFORD,  
CONNECTICUT

DOCKET NO. 444

March 25, 2014

NEW CINGULAR WIRELESS, PCS LLC (AT&T) RESPONSES TO CONNECTICUT  
SITING COUNCIL PRE-HEARING QUESTIONS SET II

Q41. Has AT&T considered co-locating on the tower at the Gaylordsville Volunteer Fire Department or replacing the tower with a taller one in order to provide service? Would this location meet coverage objectives?

A41. *The tower at the Gaylordsville Volunteer Fire Department was not considered due to its distance of approximately one mile outside of the search ring area and its location within a valley. Given the elevation of this location and the terrain between this location and the area where service is needed, a taller tower at the Gaylordsville Volunteer Fire Department would not meet AT&T's coverage objectives.*

Q42. The proposed antenna platform has four sectors. Why are the antennas only proposed to be installed on three of the four sectors?

A42. *The four-sided antenna mounting platform is needed for this proposed Facility due to the antenna sector azimuths. The three antenna sector azimuths 160, 250 and 340 degrees are separated by 90 degrees. The square or four-sided platform allows the antenna azimuth to be perpendicular to the platform, instead of offsetting the antennas on two of the sectors by 30 degrees.*

Q43. Are all of the proposed panel antennas approximately eight feet tall?

A43. *Yes.*

Q44. Provide the lengths (in feet) of the existing paved access (from Kent Road) to be utilized and proposed gravel access drive to reach the compound.

A44. *The distance of the proposed access drive from Kent Road along the existing paved access is approximately 56' and the distance of the proposed gravel access drive from the end of the paved access to the equipment compound is approximately 383'.*

Q45. In AT&T's response to interrogatory number 4, AT&T shows the same amount of net cut for the compound area and the entire project. Wouldn't the correct amount of net cut for the compound area be 293.87 cubic yards? Explain.

A45. *Yes, the net cut for the compound area is 293.87 cubic yards.*

Q46. In AT&T's response to interrogatory number 20, in this scenario, are the existing coverage gaps the same irrespective of whether it's cellular, PCS, or LTE? Or does AT&T generally base its coverage gaps on LTE? If the gaps are not the same for cellular, PCS, and LTE, provide the missing data.

A46. *Please see the table below.*

Name	Road	Current Coverage Gap in New Milford (miles) @ Cellular Frequency	Total Coverage Gap (miles)	Current Coverage Gap in New Milford (miles) @ PCS Frequency	Total Coverage Gap (miles)	Current Coverage Gap in New Milford (miles) @ LTE700 Frequency	Total Coverage Gap (miles)
Kent Road, New Milford, CT	Major	5.85	5.85	10.69	10.69	0.6789	0.6789
Memory Lane, New Milford, CT	Secondary	0.109	5.2267	0.109	5.2267	0.0581	4.1532
Burkhardt Way, New Milford, CT	Secondary	0.2327		0.2327		0.1583	
Strid Lane, New Milford, CT	Secondary	0.156		0.156		0.156	
Meadowland Drive, New Milford, CT	Secondary	0.453		0.453		0.453	
Loorman Lane, New Milford, CT	Secondary	0.13		0.13		0.0869	
Grove Road, New Milford, CT	Secondary	0.77		0.77		0.487	
Webatuck Rd., New Milford, CT	Secondary	0.613		0.613		0.3839	
Housatonic Pt., Sherman, CT	Secondary	0.06		0.06		0	
Long River Road, Sherman, CT	Secondary	1.35		1.35		1.3302	
Pond View Lane, Sherman, CT	Secondary	0.215		0.215		0.172	
Evans Hill Road, Sherman, CT	Secondary	0.95		0.95		0.8678	
River Bend Lane, New Milford, CT	Secondary	0.188		0.188		0	

Q47. In AT&T's response to interrogatory number 23, AT&T listed the coverage areas for cellular and PCS. Provide similar coverage area data for LTE.

A47. Please see the table below for the incremental coverage areas for cellular, PCS and LTE.

Technology	Centerline	Existing Coverage Footprint (without S4067) in New Milford (sq miles)		Overall Coverage Footprint (with S4067) in New Milford (sq miles)		Stand-Alone Coverage Footprint (with S4067 Only) in New Milford (sq miles)		Overall Stand-Alone Coverage Footprint (with S4067 Only) (sq miles)	
		>= -74 dBm	>= -82 dBm	>= -74 dBm	>= -82 dBm	>= -74 dBm	>= -82 dBm	>= -74 dBm	>= -82 dBm
UMTS Cellular	At 146' AGL	8.067	18.90	8.554	20.19	0.4872	1.343	0.9686	2.832
UMTS Cellular	AT 136' AGL			8.548	20.1	0.4807	1.241	0.9479	2.656
UMTS Cellular	At 126' AGL			8.537	20.01	0.4707	1.142	0.9213	2.476
UMTS PCS	At 146' AGL	1.048	4.079	1.104	4.318	0.05593	0.239	0.05617	0.5417
UMTS PCS	AT 136' AGL			1.1	4.317	0.05184	0.2383	0.05184	0.5279
UMTS PCS	At 126' AGL			1.095	4.322	0.04653	0.2433	0.04653	0.5243
Technology	Centerline	>= -83 dBm	>= -93 dBm	>= -83 dBm	>= -93 dBm	>= -83 dBm	>= -93 dBm	>= -83 dBm	>= -93 dBm
LTE 700	At 146' AGL	39.31	57.46	40.65	58.33	2.313	4.568	6.949	16.07
LTE 700	AT 136' AGL			40.57	58.26	2.181	4.321	6.593	15.29
LTE 700	At 126' AGL			40.5	58.25	2.058	4.137	6.226	14.53

Q48. Using the same scale as the previous coverage plots, provide existing coverage plots for LTE and PCS. Also include LTE and PCS coverage plots depicting the existing and proposed coverage.

A48. Please see the coverage plots included in Attachment 1.

Q49. What type(s) of outdoor lighting would be installed on the equipment shelter, if any? When would the lighting operate?

A49. The proposed equipment shelter will include a halogen lamp with two bulbs located next to the shelter access door. Typical bulb wattage is 75W. This light is activated by a motion sensor.

Q50. Estimate the number of homes with year-round visibility of the tower and seasonal visibility of the tower.

A50. Approximately 5 homes may have year-round visibility of the proposed tower and approximately 14 homes may have seasonal visibility of the proposed tower. These estimates are conservative as visibility is assumed for any location where potential visibility is uncertain.

Q51. In AT&T's response to interrogatory number 11, AT&T listed numbers in the direction column. Are those compass bearing degrees (with zero degrees being north)? Is this bearing based on the direction from the proposed tower to the adjacent hand off site? Based on that orientation, indicate the directions as using terms such as north, southeast, etc.

A51. *Please see the table of adjacent hand-off sites below:*

Site ID	Longitude	Latitude	Address	Town	State	Structure Type	AT&T Antenna Centerline (ft)	Overall Height (ft)	Distance (mi)	General Direction
CTV1008	73.486638	41.681631	136 BULLS BRIDGE RD	SOUTH KENT	CT	MONOPOLE	180	180	1.48	N
CTV2001	73.437474	41.599403	33 BOARDMAN RD	NEW MILFORD	CT	STEALTH STRUCTURE	120	150	3.66	SE
CTV5502	73.503799	41.612492	2 TABER RD	SHERMAN	CT	SILO	70	74	2.48	SW

CERTIFICATE OF SERVICE

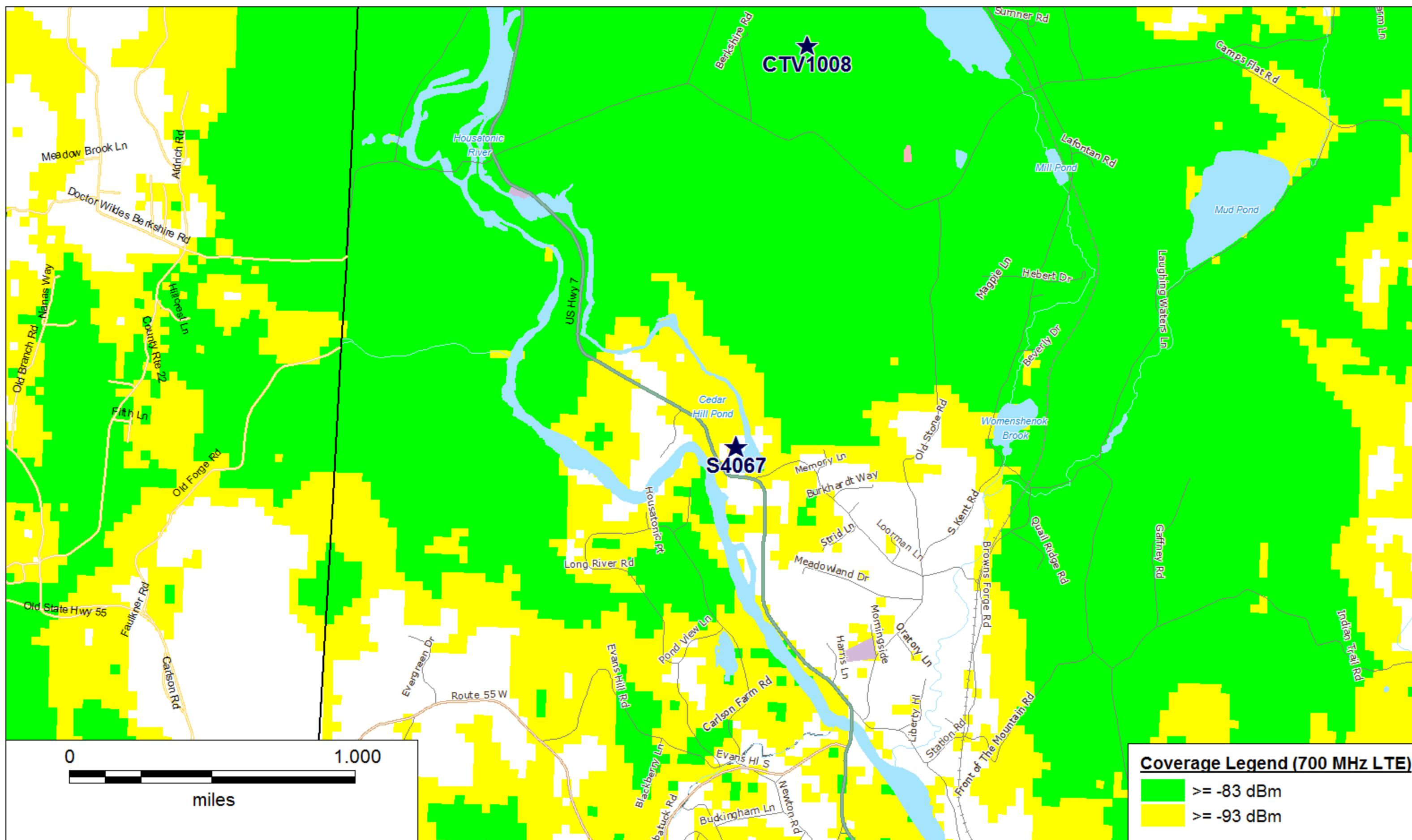
I hereby certify that on this day, an original and fifteen copies of the foregoing was sent electronically and by overnight mail to the Connecticut Siting Council.

Dated: March 25, 2014

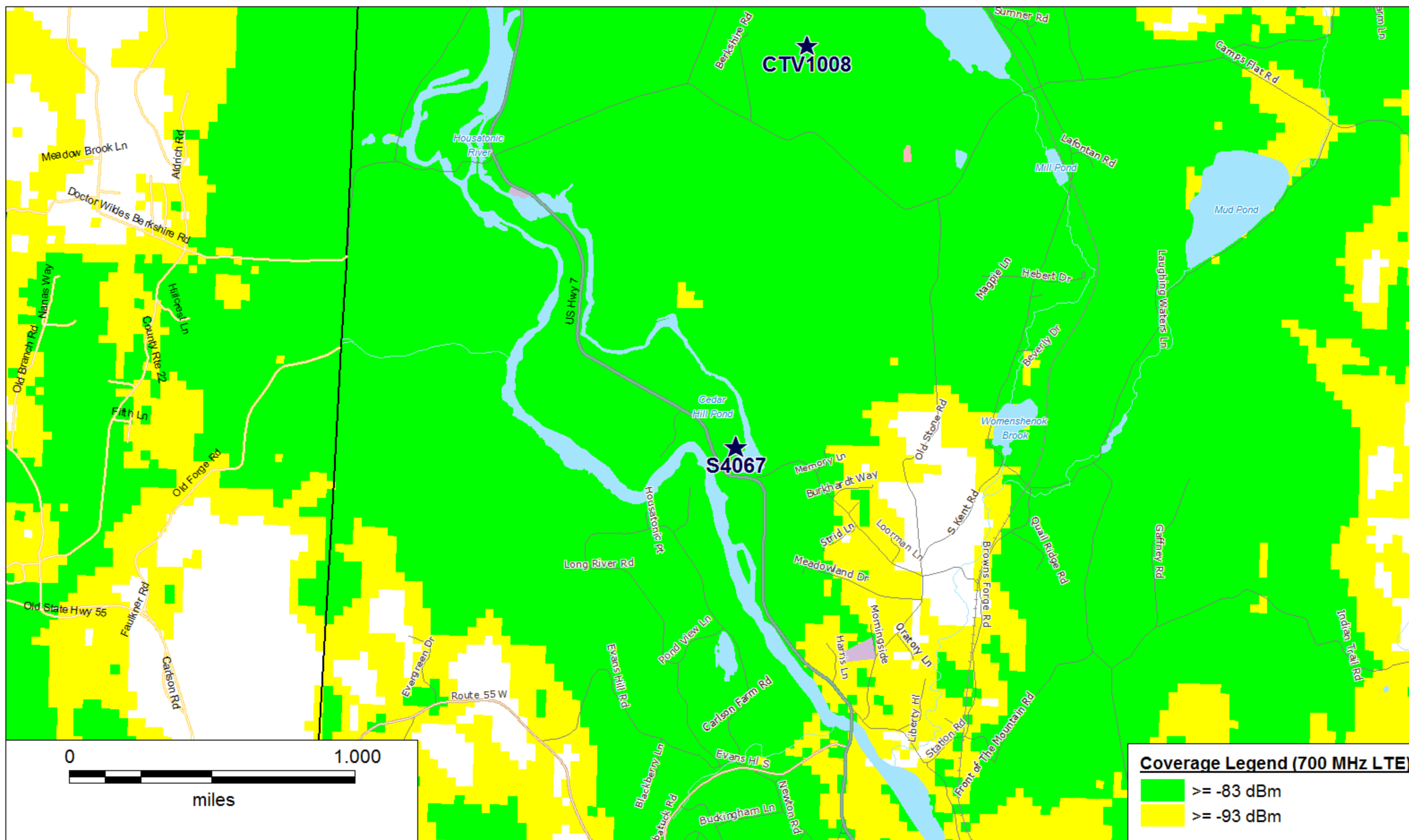
  
Lucia Chiocchio

cc: Michele Briggs, AT&T  
Peter LaMontagne, Centerline Communications  
Alex Murshteyn, Centerline Communications  
Carlo Centore, P.E., Centek  
Michael Lawton, SAI  
Michael Libertine, APT  
Dean Gustafson, APT

# ATTACHMENT 1

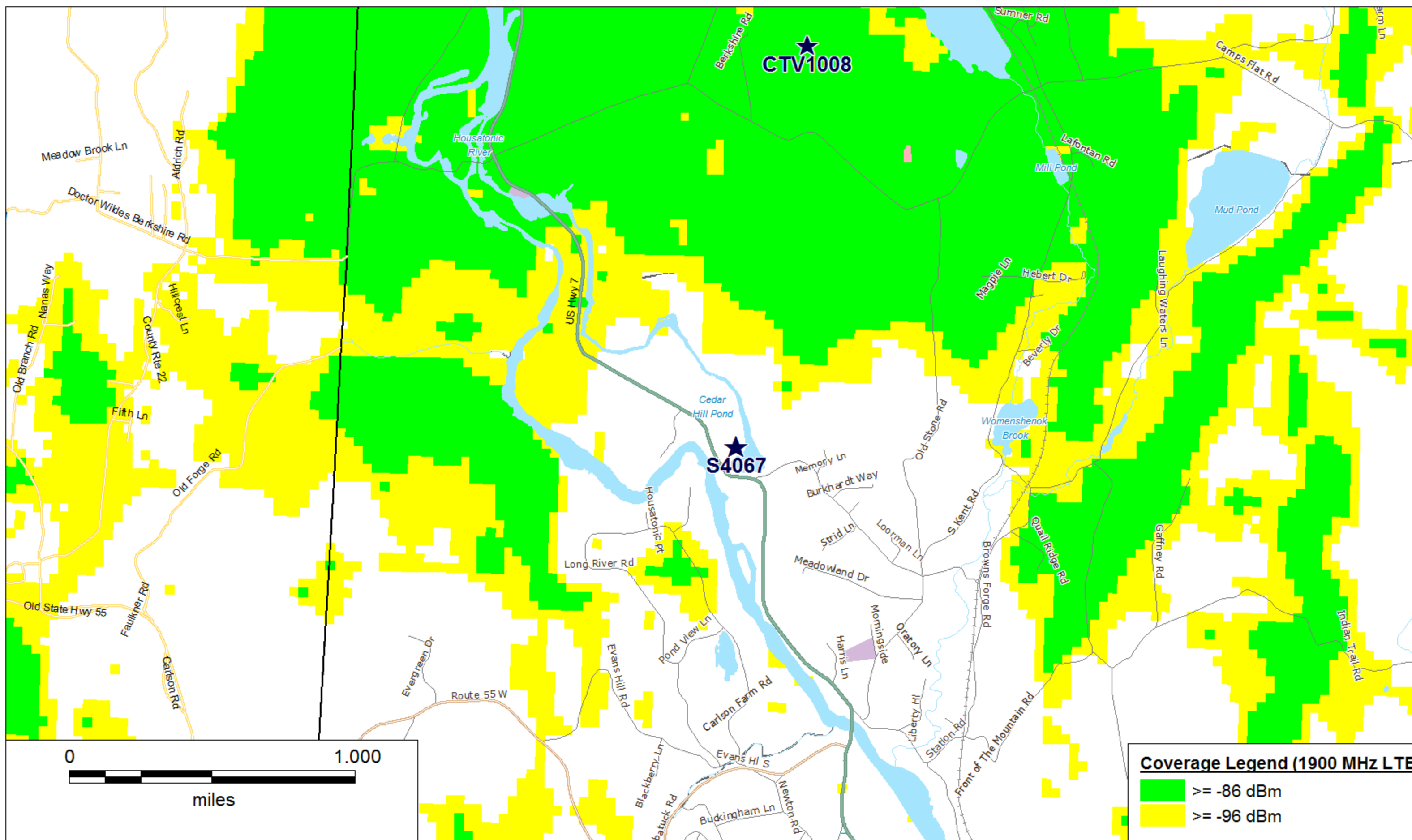


**AT&T Current Coverage (700 MHz) at New Milford, CT**

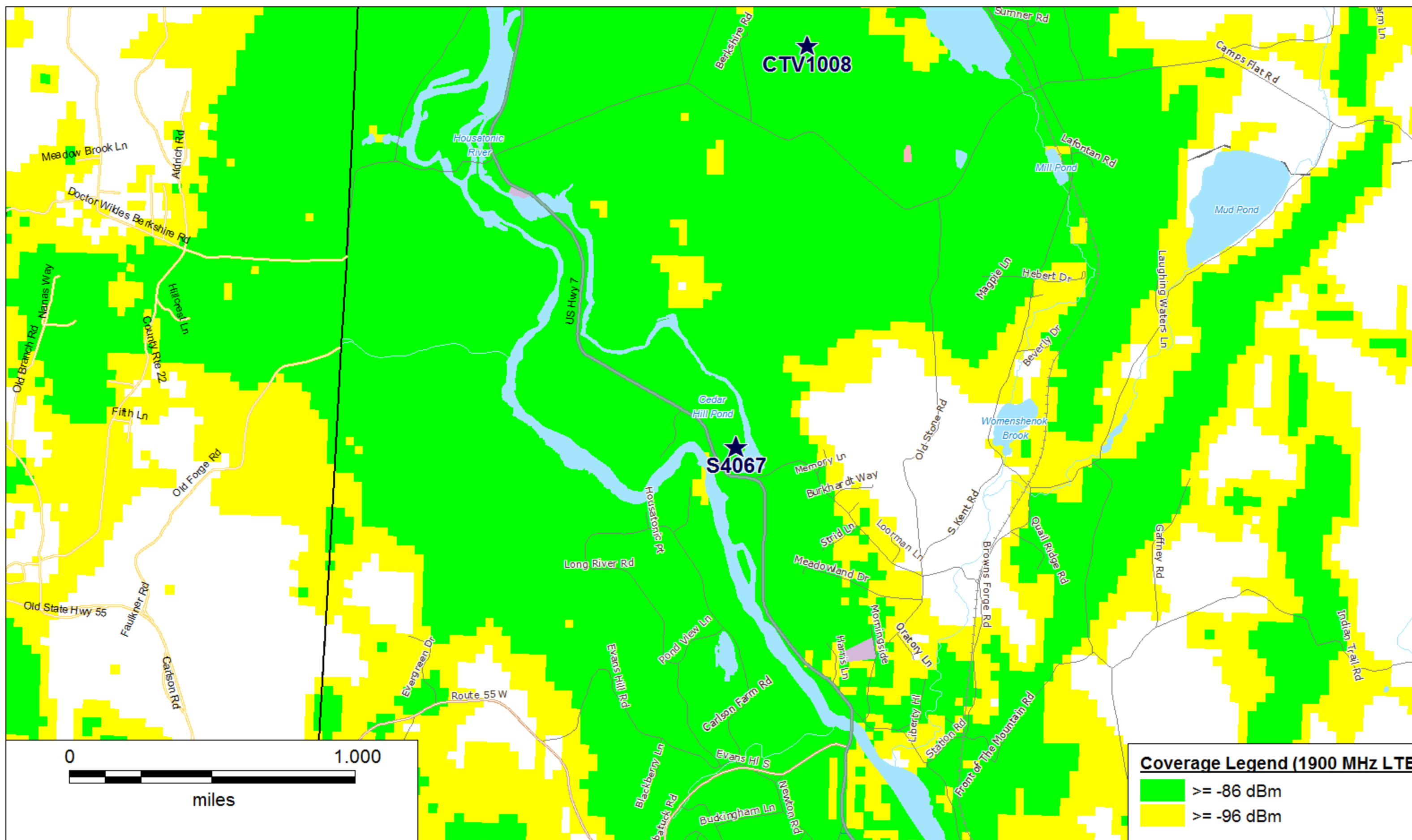


**AT&T Proposed Coverage (700 MHz) with S4067 at New Milford, CT @ 146' AGL**





**AT&T Current Coverage (1900 MHz) at New Milford, CT**



**AT&T Proposed Coverage (1900 MHz) with S4067 at New Milford, CT @ 146' AGL**