

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:

APPLICATION OF AMERICAN TOWER CORPORATION (ATC)
AND 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 AT 701 LYDALL STREET MANCHESTER,
CONNECTICUT

DOCKET NO. 453

February 23, 2015

AMERICAN TOWER CORPORATION (ATC) and
NEW CINGULAR WIRELESS, PCS LLC (AT&T)
RESPONSES TO CONNECTICUT SITING COUNCIL PRE-HEARING INTERROGATORIES SET II

- Q1. During the public hearing on January 20, 2015, AT&T testified that antennas on the tower at 230 Box Mountain Road would not achieve its coverage objectives at a height of 100 feet. Would AT&T be able to achieve its coverage objectives from this location if its antennas were located at 150 feet? 200 feet? 250 feet? Provide coverage plots for 700 MHz and 1900 MHz LTE for these heights.
- A1. *As set forth in the Site Search Summary included in Attachment 2 of the Application, a facility on the tower at 230 Box Mountain Road would not meet AT&T's coverage objectives (Site #6 in the Site Search Summary). The tower at 230 Box Mountain Road was evaluated at a height of 170' AGL.*

Included in Attachment 1 are propagation maps at heights of 170' AGL, 200' AGL and 250' on the tower at Box Mountain Road for 700 MHz and 1900 MHz. Please note that the location of the Box Mountain Road tower on the enclosed propagation maps is labeled "S2020F" and "Alternate F."

As shown in the attached propagation maps, the Box Mountain Road tower does provide adequate coverage to the area AT&T is seeking to serve by the Facility proposed in this Docket. The Box Mountain Road tower is too far from the area where service is needed and too close to an existing AT&T site (CT1069 Monopole at 130 Vernon Road, Bolton).

- Q2. Since the public hearing held on January 20, 2015, has ATC and/or AT&T had discussions with the Manchester Conservation Land Trust about the possibility of leasing a portion of its property around Risley Pond for a telecommunications site? If so, what was the outcome of any such discussions?

- A2. *Jennifer Young Gaudet reached out to Malcolm Barlow, President of the Manchester Conservation Land Trust, about locating a tower on the Trust's Risley Reservoir property. Mr. Barlow's response indicated that the Trust is not interested in leasing its property in that area. A copy of the correspondence between Ms. Gaudet and Mr. Barlow is enclosed in Attachment 2.*
- Q3. *If the land trust is amenable to leasing a portion of its property, is there a location on the property feasible for a telecommunications facility that would be able to meet AT&T's coverage objectives? If so, what height would a tower at this location have to be to provide the requisite coverage?*
- A3. *As indicated in response to Q2 above, the Land Trust is not amenable to leasing a portion of its Risley Reservoir property. In addition, as shown in the propagation maps included in Attachment 3, locating a tower on the Land Trust property would not provide adequate coverage to the area AT&T is seeking to serve. The attached plots show five locations within the Land Trust property at heights of 150', 200' and 250' AGL and demonstrate that a facility at any of these heights would not meet AT&T's coverage objectives.*
- Q4. *Is it possible to adjust antenna configurations and power settings at adjacent sites to provide coverage for AT&T's target area?*
- A4. *No. The sites are all running at full power and the antenna configuration and all other settings on the neighbor sites have been optimized to produce the maximum amount of coverage they can without interfering with the proper operation of the rest of the network.*

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.

The Honorable Kelly Luxenberg
State Representative – 12th District
Legislative Office Building
Room 4200
Hartford, CT 06106
Kelly.Luxenberg@cga.ct.gov

The Honorable Steve Cassano
State Senator – 4th District
Legislative Office Building
Room 220
Hartford, CT 06106
Steve.Cassano@cga.ct.gov

Dated: February 23, 2015

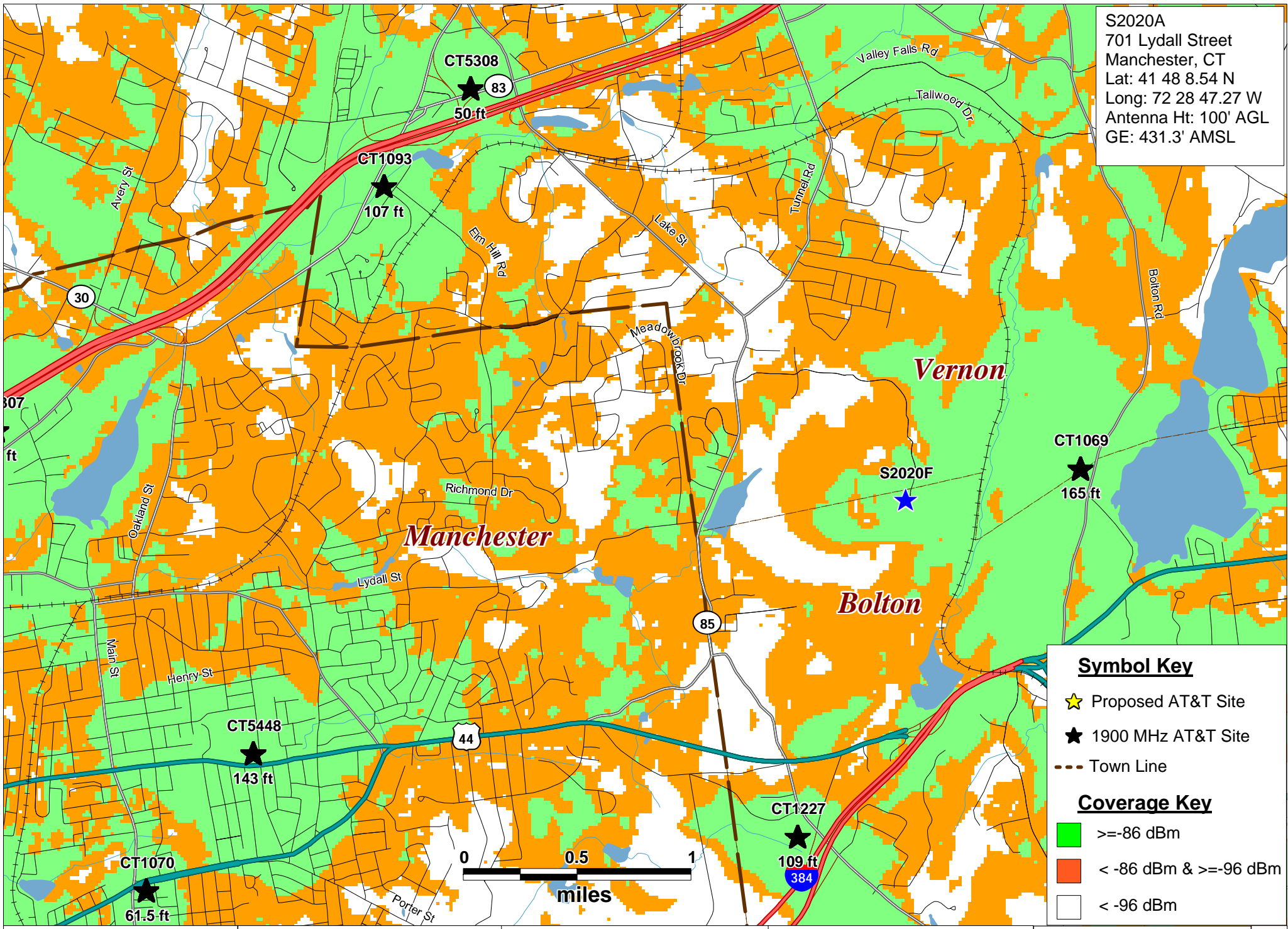


Lucia Chiochio
Lucia Chiochio

cc: Blake Paynter, ATC
Michele Briggs, ATC
Jennifer Young Gaudet, HPC Wireless

ATTACHMENT 1

S2020A
 701 Lydall Street
 Manchester, CT
 Lat: 41 48 8.54 N
 Long: 72 28 47.27 W
 Antenna Ht: 100' AGL
 GE: 431.3' AMSL



Symbol Key

- ★ Proposed AT&T Site
- ★ 1900 MHz AT&T Site
- - - Town Line

Coverage Key

- Green: >= -86 dBm
- Orange: < -86 dBm & >= -96 dBm
- White: < -96 dBm

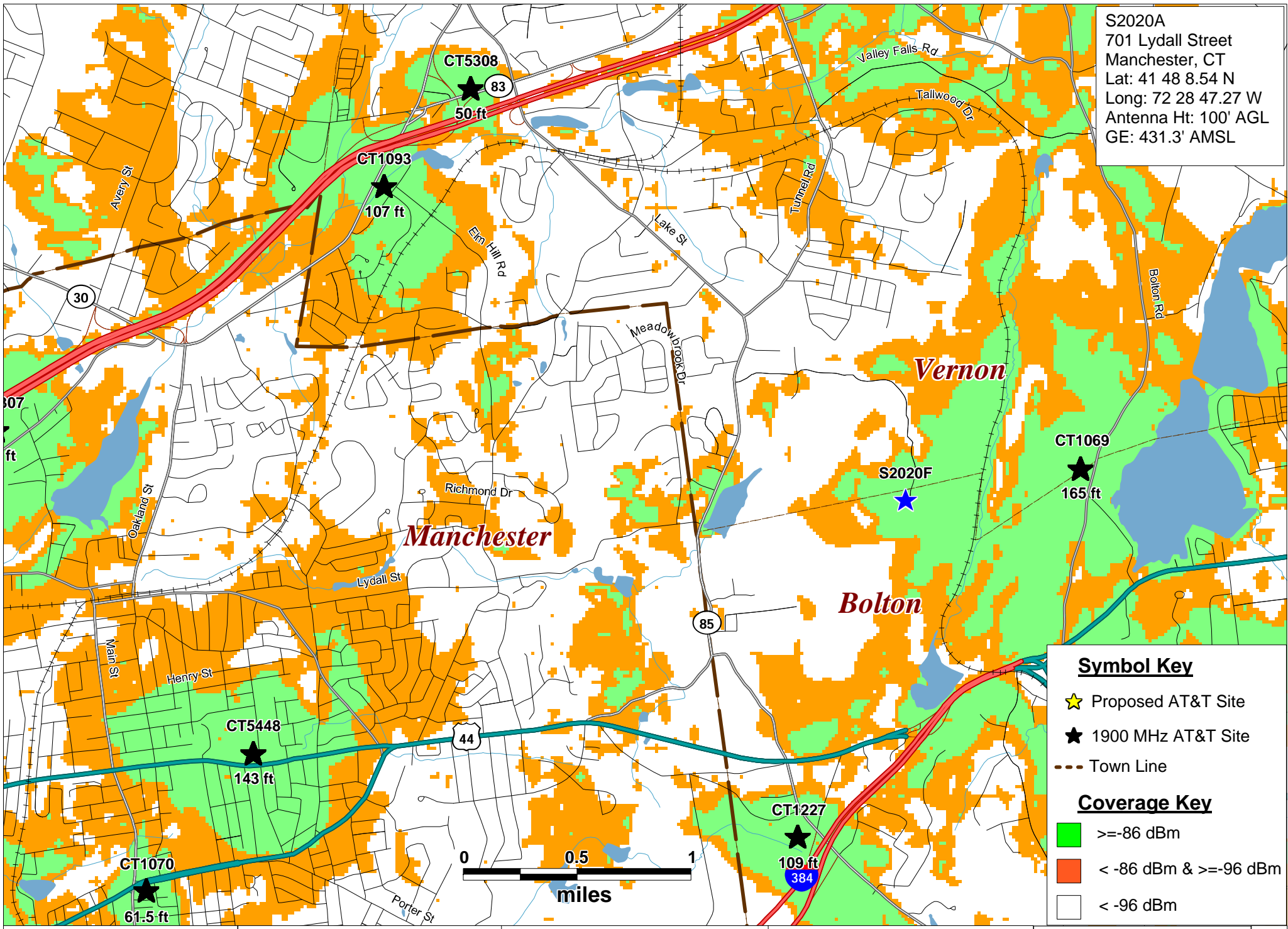
Existing with Alternate F
 700 MHz LTE Coverage
 at 170 feet AGL

Manchester, CT

701 Lydall Street
 Manchester, CT 06042



PREPARED ON: 12/1/2014
 DATE: 02/10/2015
 REV 0



S2020A
 701 Lydall Street
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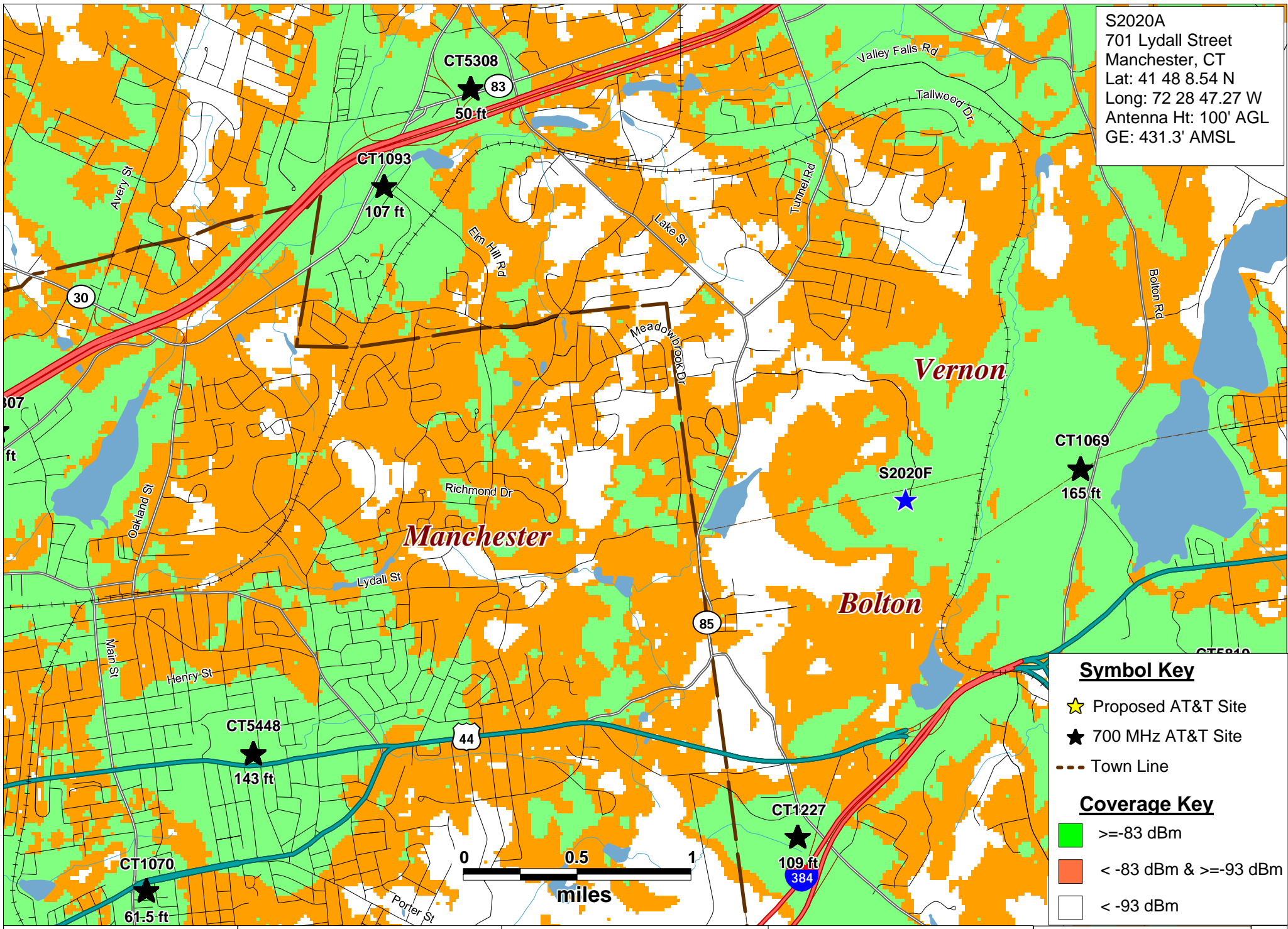
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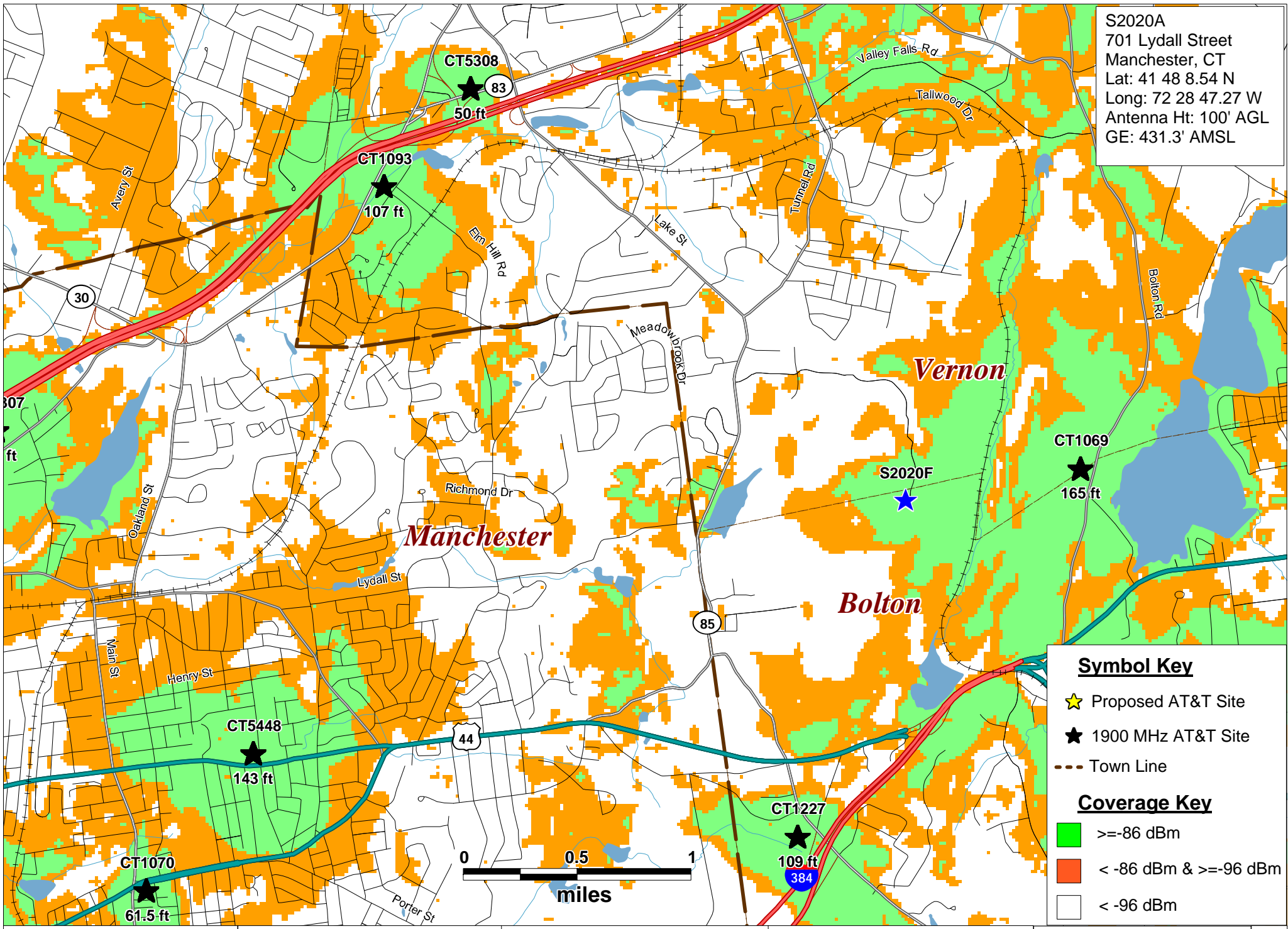
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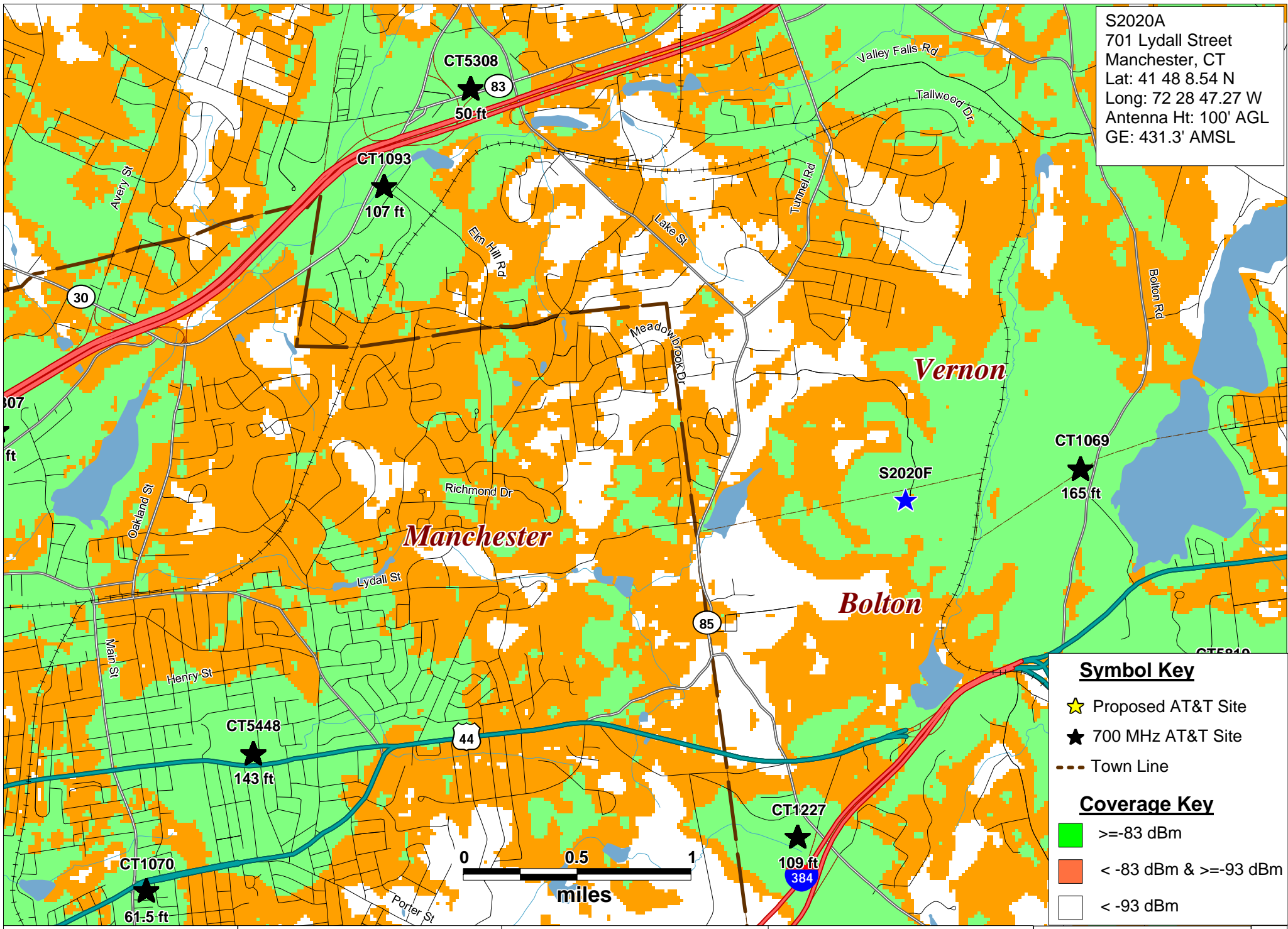
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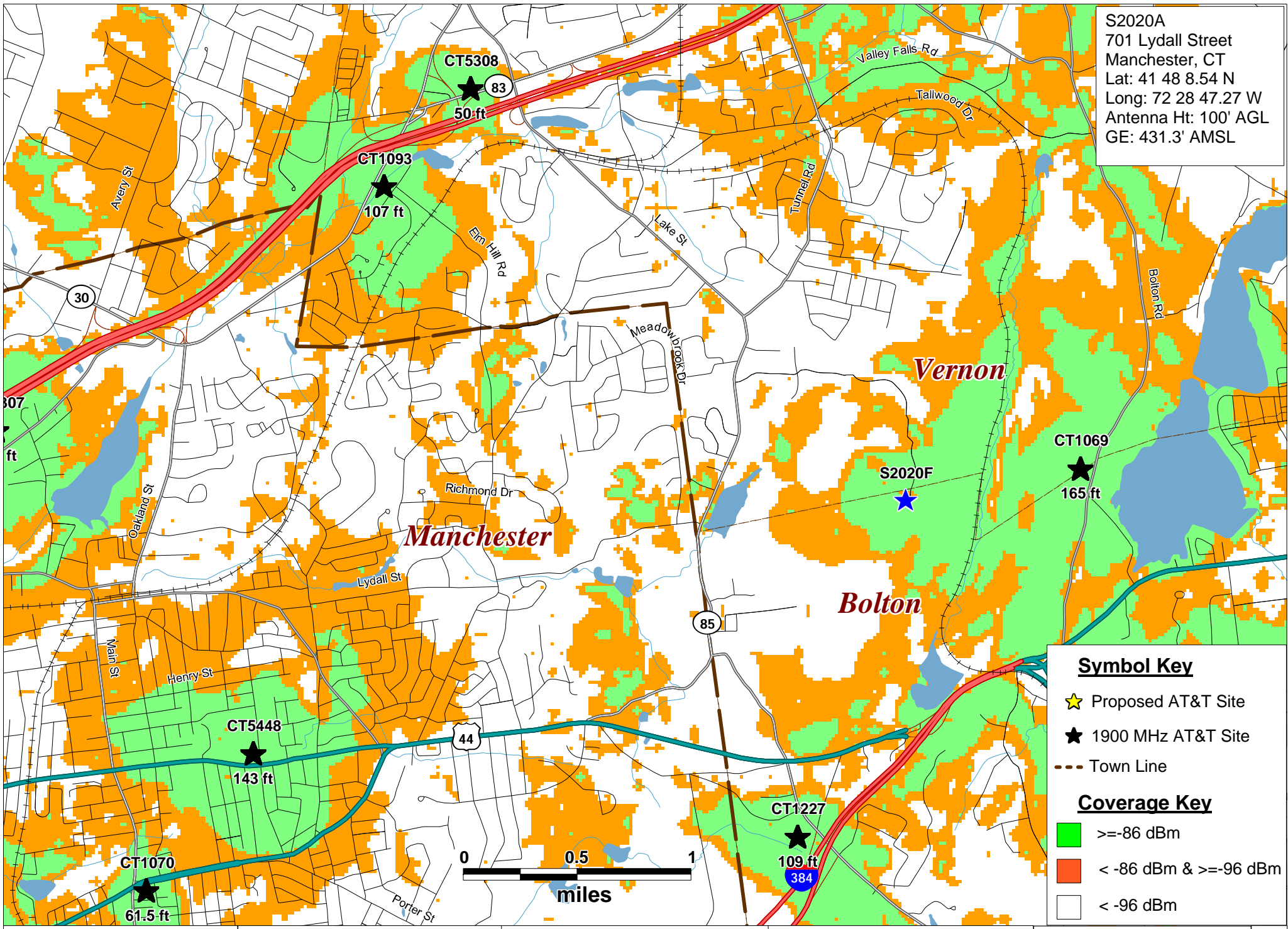
Existing with Alternate F
 700 MHz LTE Coverage
 at 250 feet AGL

Manchester, CT

701 Lydall Street
 Manchester, CT 06042



PREPARED ON: 12/1/2014
 DATE: 01/22/2015
 REV 0



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Existing with Alternate F
 1900 MHz LTE Coverage
 at 250 feet AGL

Manchester, CT

701 Lydall Street
 Manchester, CT 06042



PREPARED ON: 12/1/2014
 DATE: 02/10/2015
 REV 0

ATTACHMENT 2

Vergati, Christine M.

From: Chiocchio, Lucia [LChiocchio@CUDDYFEDER.COM]
Sent: Friday, February 20, 2015 3:31 PM
To: Chiocchio, Lucia
Subject: FW: Manchester Land Conservation Trust property - Risley [C&F-iManage.FID388916]

From: Malcolm F. Barlow [<mailto:mfbarlow@barlow-murphy.com>] <[mailto:\[mailto:mfbarlow@barlow-murphy.com\]](mailto:[mailto:mfbarlow@barlow-murphy.com])>
Sent: Sunday, February 08, 2015 5:13 PM
To: Jennifer Gaudet
Subject: RE: Manchester Land Conservation Trust property - Risley

Dear Ms. Gaudet: Thank you for your interest. There are several reasons we may not reach an agreement for use of Land Trust property for a tower. First, Gerald Reid is a good friend to the Trust, particularly in helping us with management of the 155-acre Risley Park. All trustees know and respect Mr. Reid. None of us would want to step on his toes.

Secondly, you may find our park is not receptive to a tower site. Our Risley Park land goes well up the west side of Box Mountain, but does not reach the top. And at the top you'll find the tower(s) of Marcus Communications. Only if a tower close to the Marcus arrangements would not interfere with each other could it be done. The tallest Marcus tower is well over 400' from the top of Box Mountain, which is about 900' feet at that spot. And we do not have road access to all of our lands on the west side of Box Mountain - dirt or otherwise.

I did speak to Senator Cassano about other lands of the Land Trust. One is in the southwest corner of Manchester near its corner bordering Glastonbury and East Hartford. It is Bush Hill, which is 326' high, but without much else high around it. It must be at least 6 miles from your Reid tower proposed site. The speakers at the Reid tower hearing may only care that the Reid tower not be in their back yards. If the Trust can help you, please give me a call. But know that we are not interested in competing with Mr. Reid in this part of Manchester.

Malcolm F. Barlow
Barlow & Murphy, LLP
172 East Center Street
Manchester, CT 06040-5208
Phone 860-646-4081
FAX 860-645-1608
mfbarlow@barlow-murphy.com <<mailto:mfbarlow@barlow-murphy.com>>

From: Jennifer Gaudet [<mailto:jgaudet@hpcwireless.com>]
Sent: Thursday, February 05, 2015 4:02 PM
To: Malcolm F. Barlow
Subject: Manchester Land Conservation Trust property - Risley

Dear Mr. Barlow:

HPC Wireless Services is working on behalf of American Tower Corp. to develop a tower in the Lydall and Lake Street area near the Manchester/Vernon/Bolton town lines. I believe you are aware that American Tower has arranged with Gerald Reid to lease a portion of his property at 701 Lydall Street.

American Tower and AT&T have applied to the Connecticut Siting Council for approval of a tower at that location. During the course of the proceeding, and in particular at hearings in Manchester on January 20, several Manchester residents as well as Senator Cassano suggested that use of the Land Trust property surrounding Risley Reservoir would be preferable to the proposed location. American Tower would seek to lease a parcel approximately 100' x 100' for development of a cleared, fenced compound with a tower and associated equipment (either in prefabricated shelters or on concrete pads. Access to the site would be required; that typically consists of a gravel drive from the public road to the location.

I would appreciate hearing from you as to whether the Trust is willing to entertain this proposal. I am available to discuss this with you, your Board or the Trust membership. If a location acceptable to the Trust were available, that location would be reviewed by AT&T's engineers to determine whether it could fill the need the site is intended to address.

I look forward to hearing from you at your earliest convenience.

Thank you.

Jennifer Young Gaudet

Development Manager

22 Shelter Rock Ln., Building C, Danbury, CT 06810

Office:

(203) 797-1112

Fax:

(203) 797-1137

Mobile:

(860) 798-7454

Email:

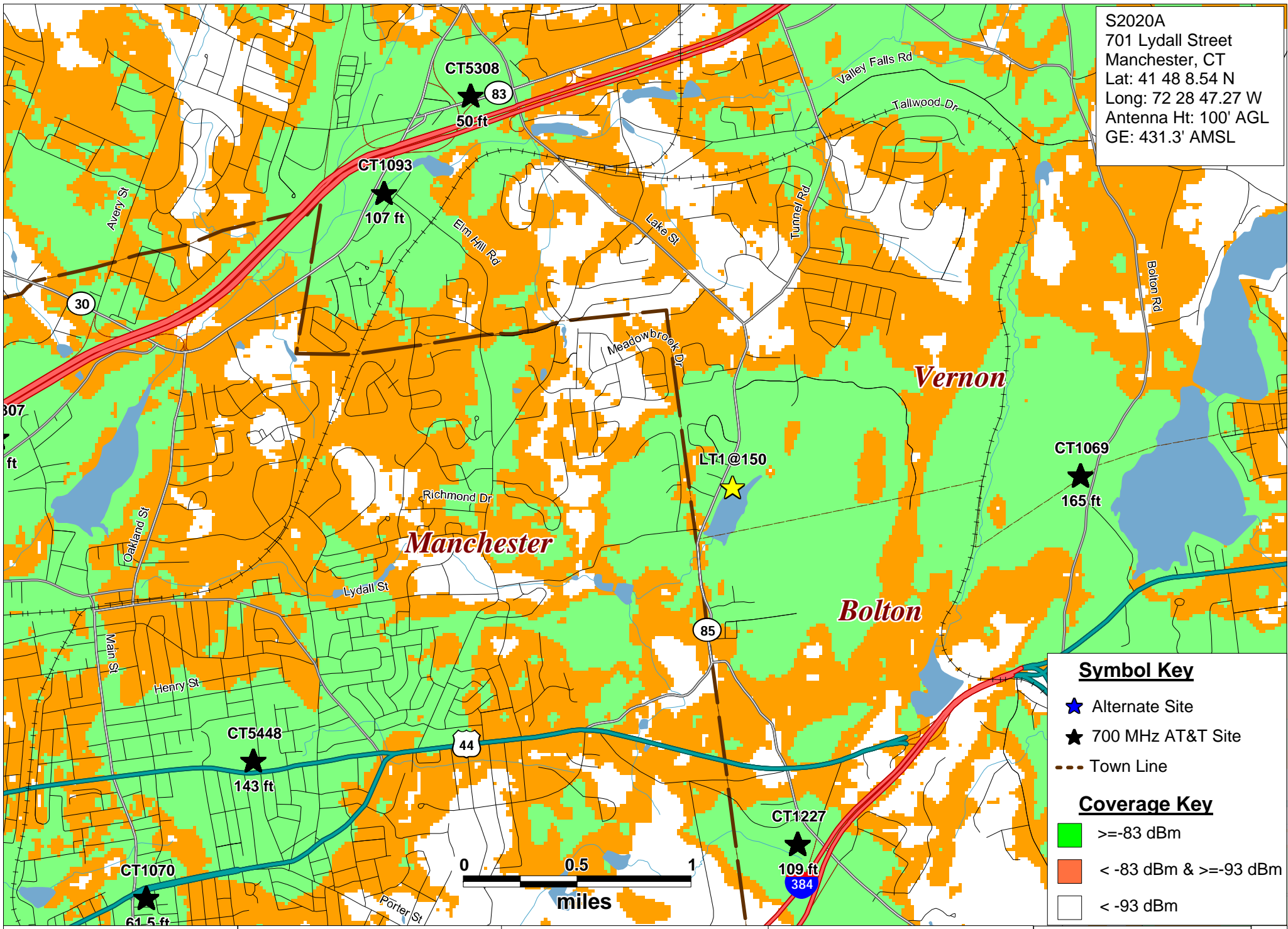
jgaudet@hpcwireless.com<<mailto:jgaudet@hpcwireless.com>>

[HPC Logo]

Please visit our website: www.hpcwireless.com<<http://www.hpcwireless.com/>>

ATTACHMENT 3

S2020A
 701 Lydall Street
 Manchester, CT
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 GE: 431.3' AMSL



Symbol Key

- ★ Alternate Site
- ★ 700 MHz AT&T Site
- - - Town Line

Coverage Key

- ≥ -83 dBm
- < -83 dBm & ≥ -93 dBm
- < -93 dBm



Existing 700 MHz LTE Coverage with Land Trust 1 at 150 feet AGL

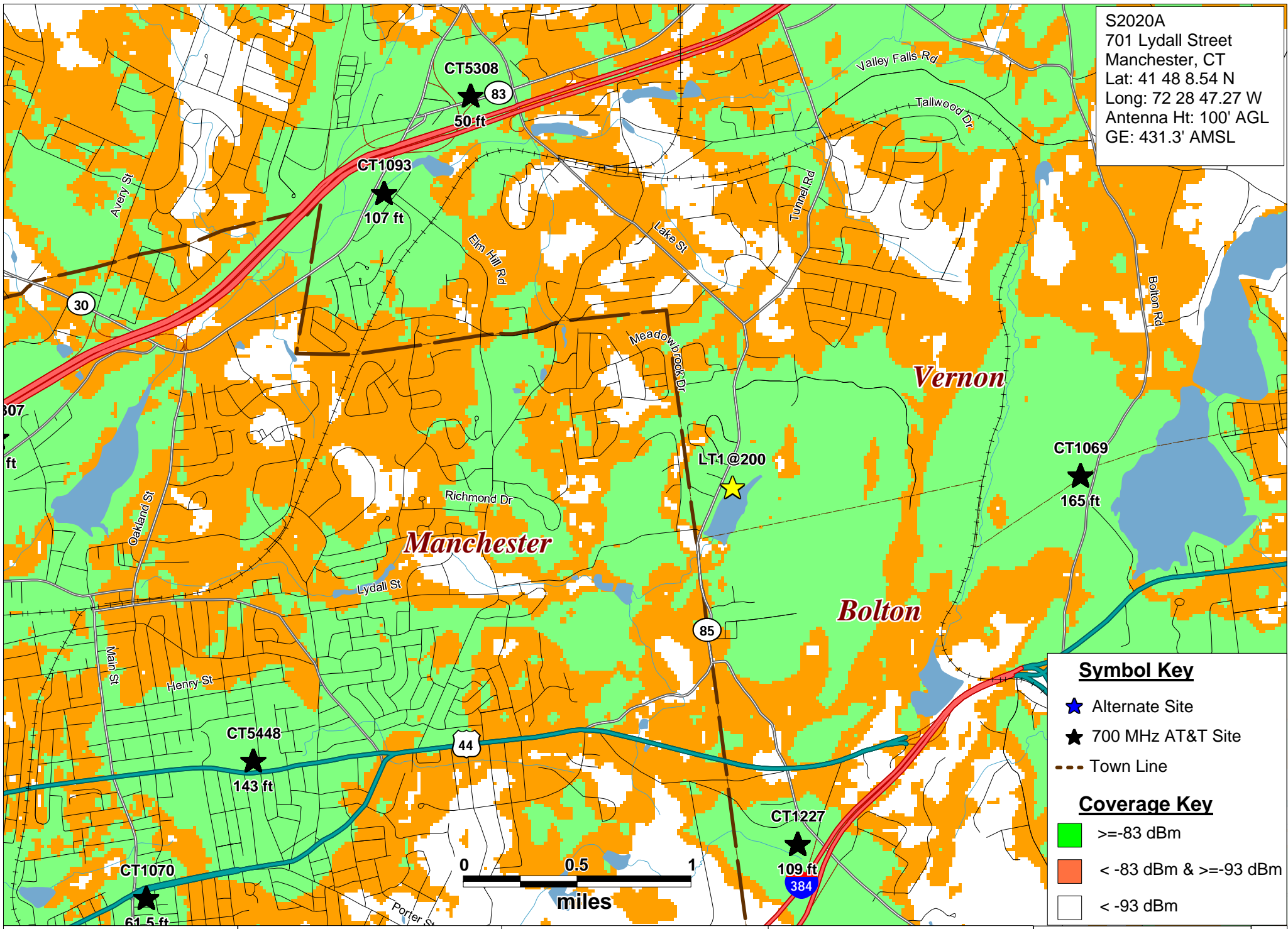
Manchester, CT

701 Lydall Street
 Manchester, CT 06042



PREPARED ON: 12/1/2014
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 REV 0

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Existing 700 MHz LTE Coverage with Land Trust 1 at 200 feet AGL

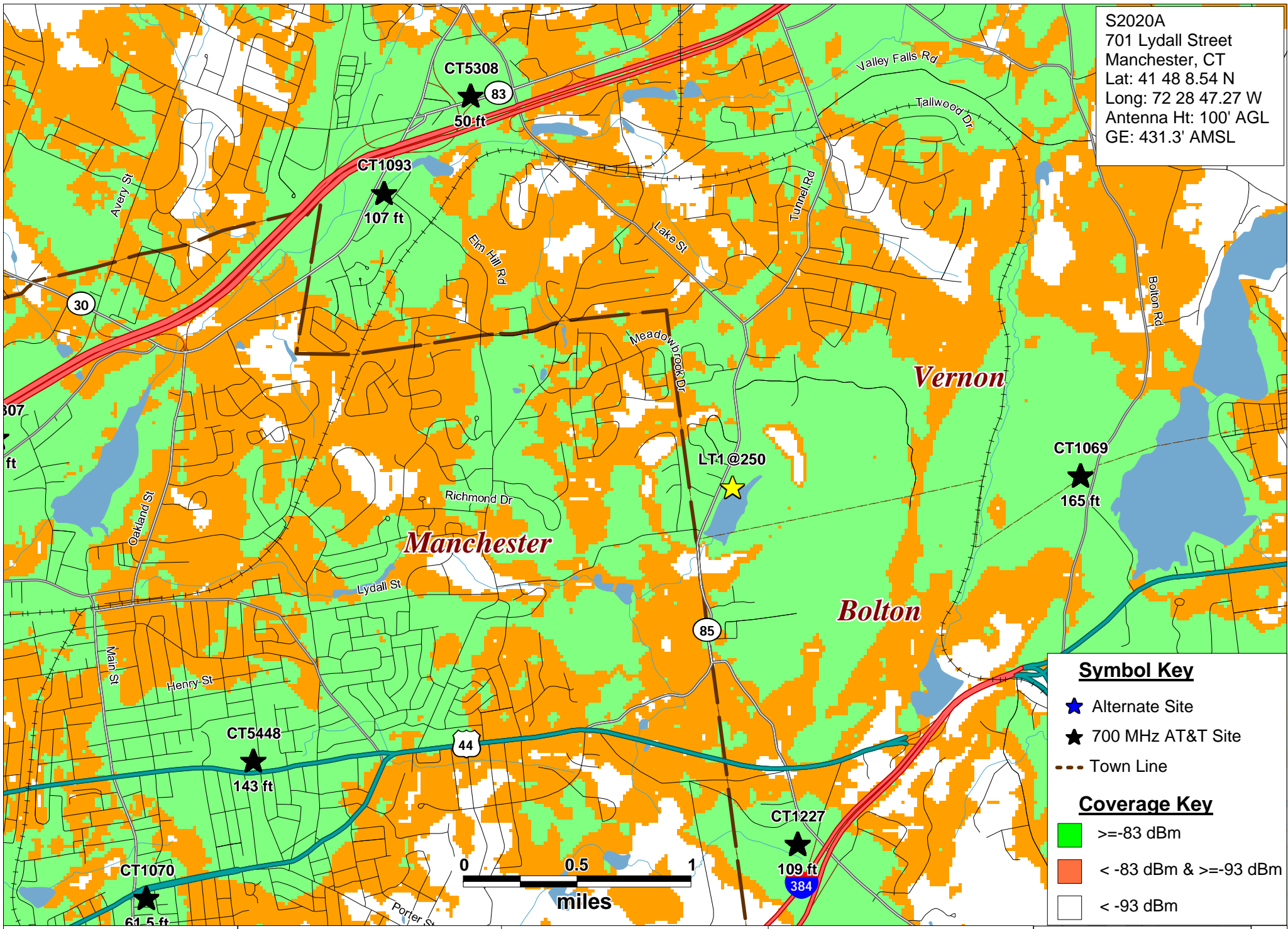
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Coverage Key

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Existing 700 MHz LTE Coverage with Land Trust 1 at 250 feet AGL

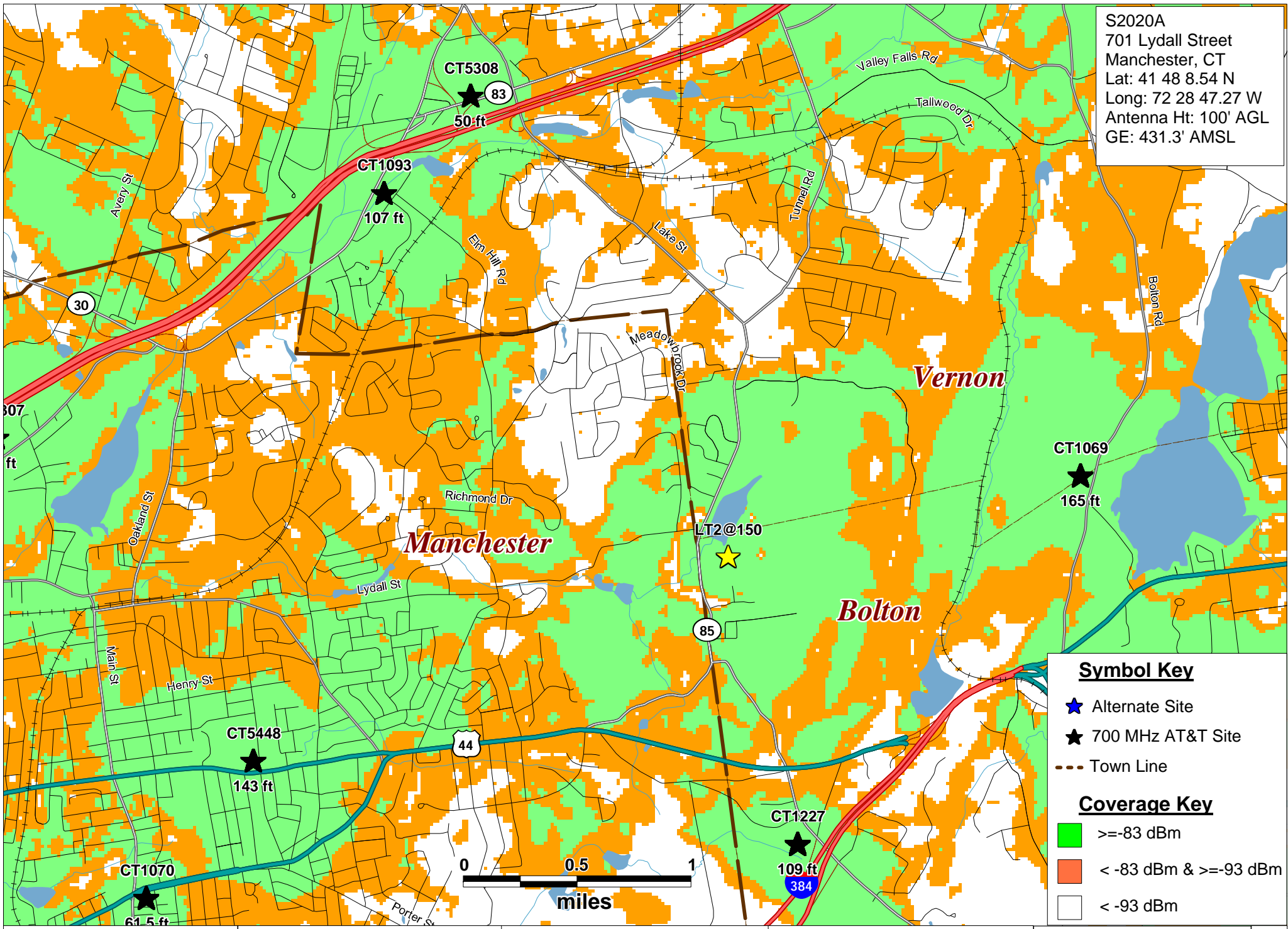
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- - - Town Line

Coverage Key

- >= -83 dBm
- < -83 dBm & >= -93 dBm
- < -93 dBm

Existing 700 MHz LTE
 Coverage with Land Trust 2
 at 150 feet AGL

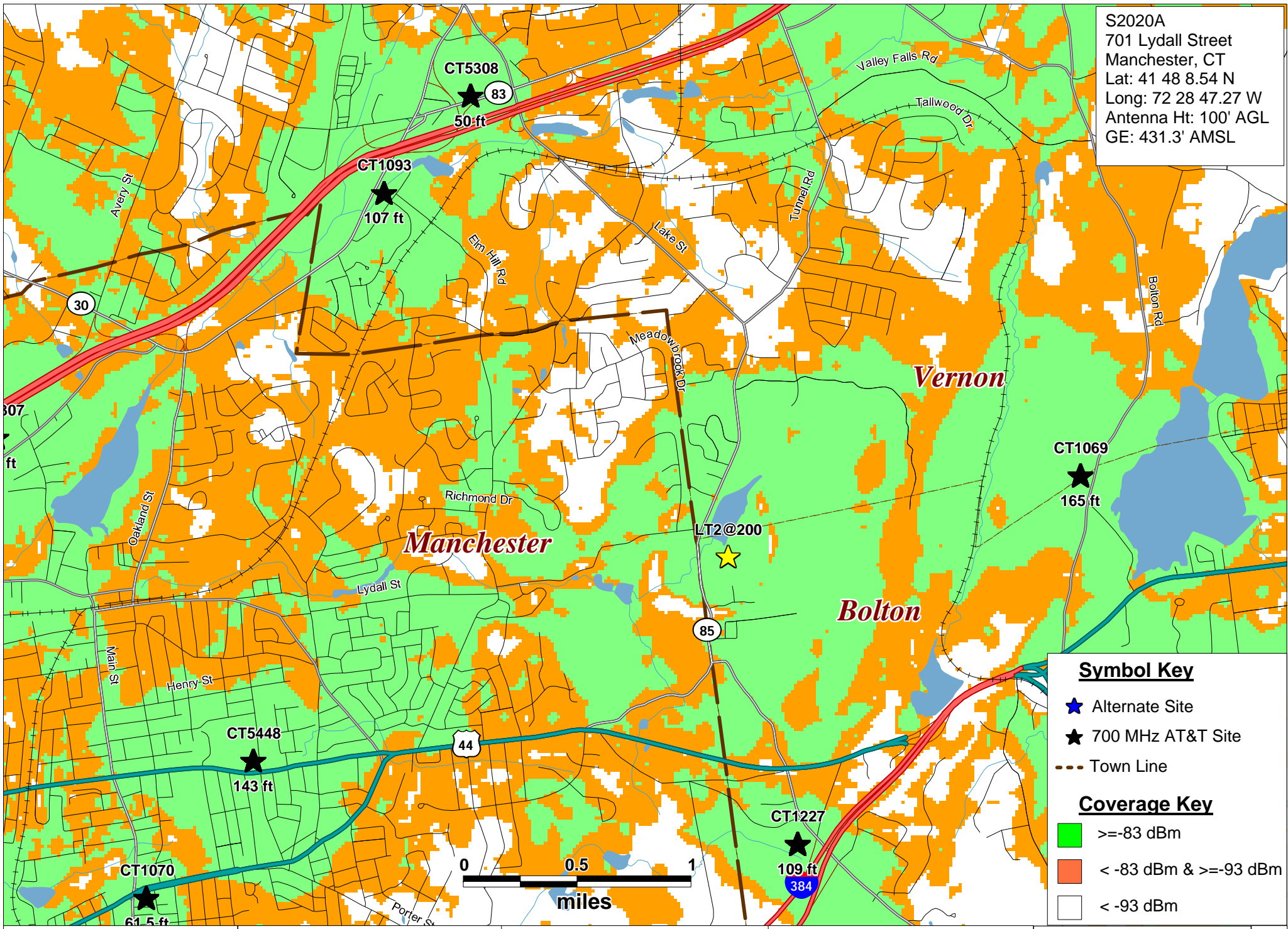
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Existing 700 MHz LTE Coverage with Land Trust 2 at 200 feet AGL

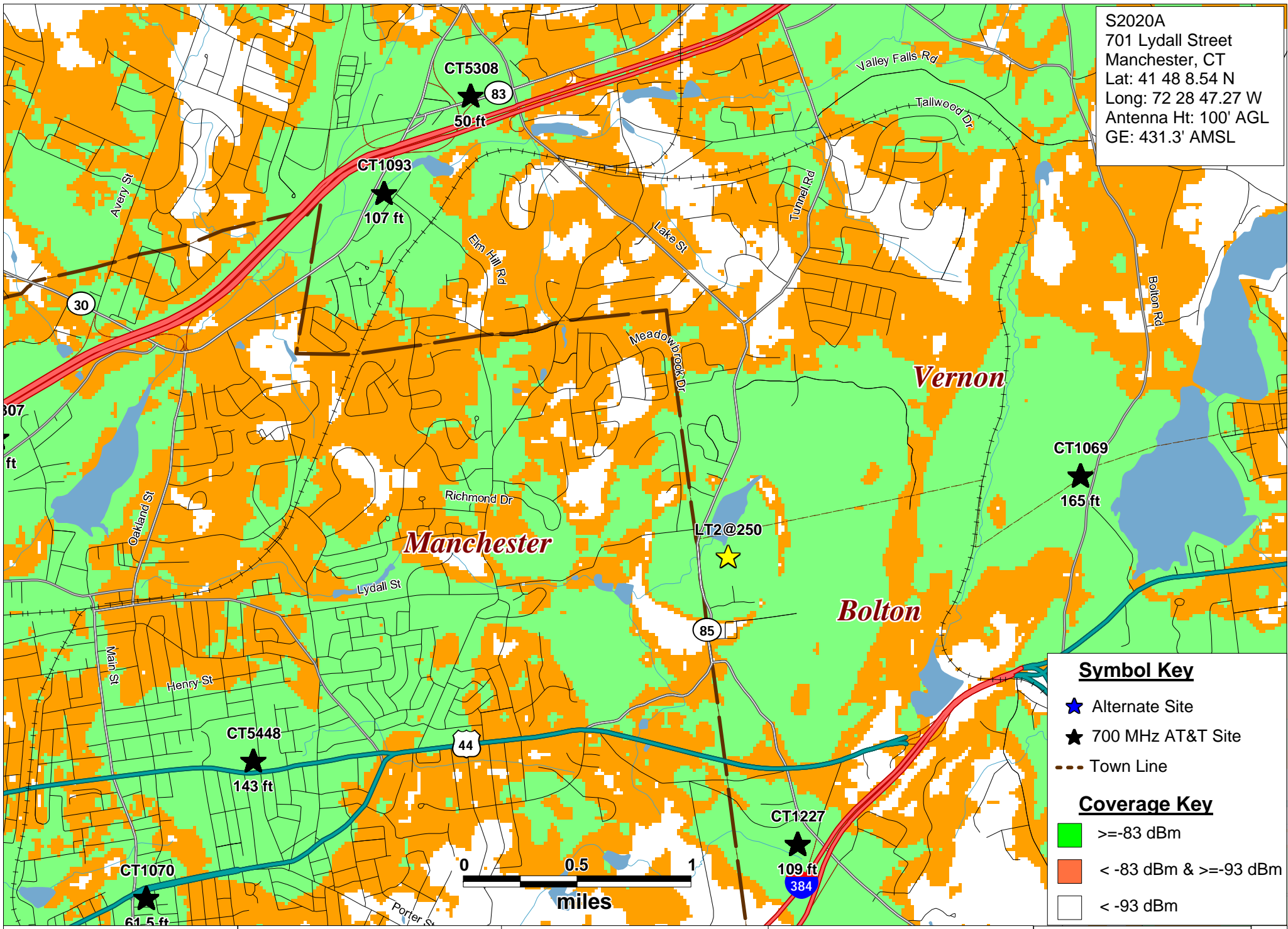
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Coverage Key

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Existing 700 MHz LTE Coverage with Land Trust 2 at 250 feet AGL

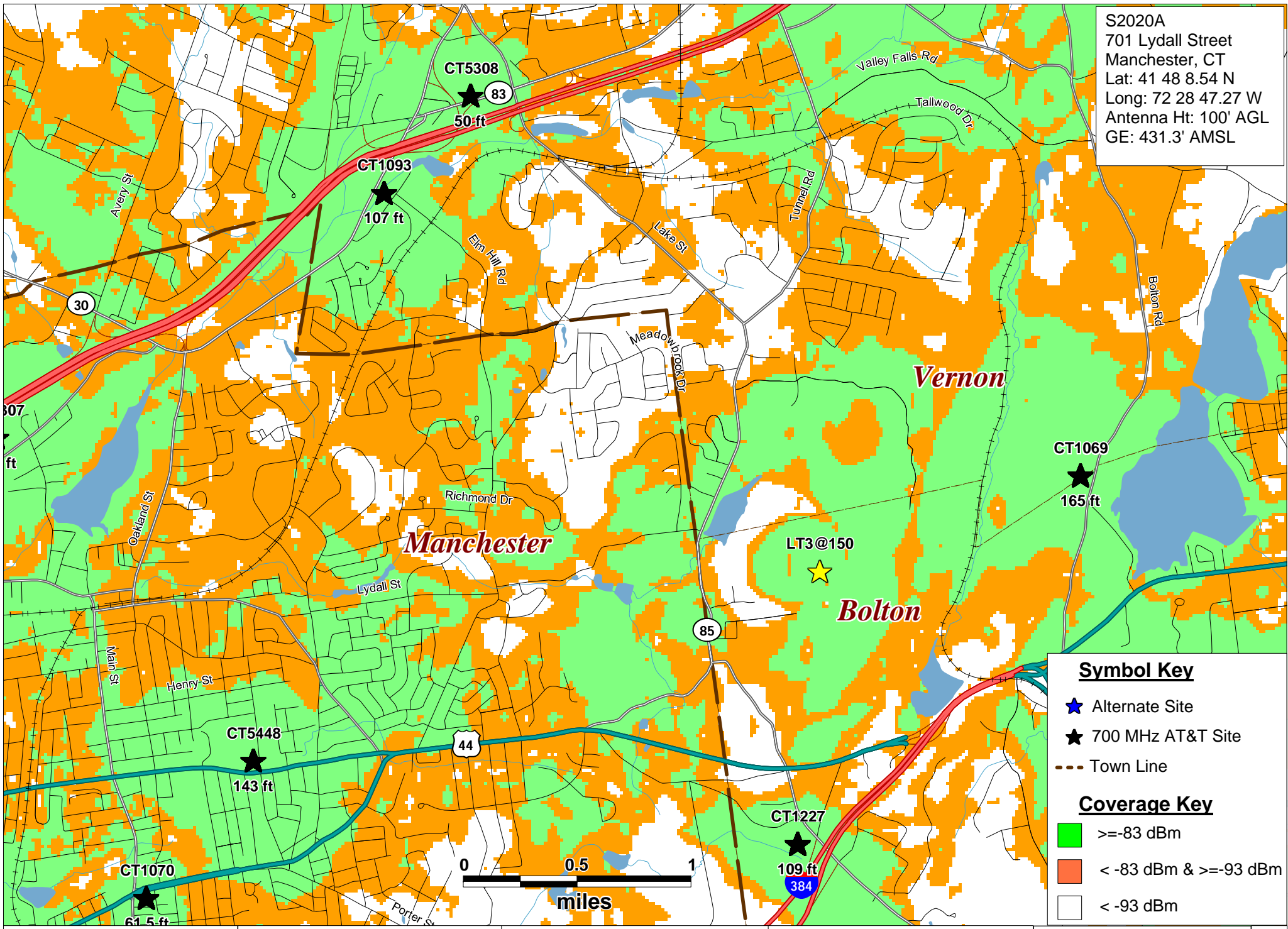
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Coverage Key

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Existing 700 MHz LTE Coverage with Land Trust 3 at 150 feet AGL

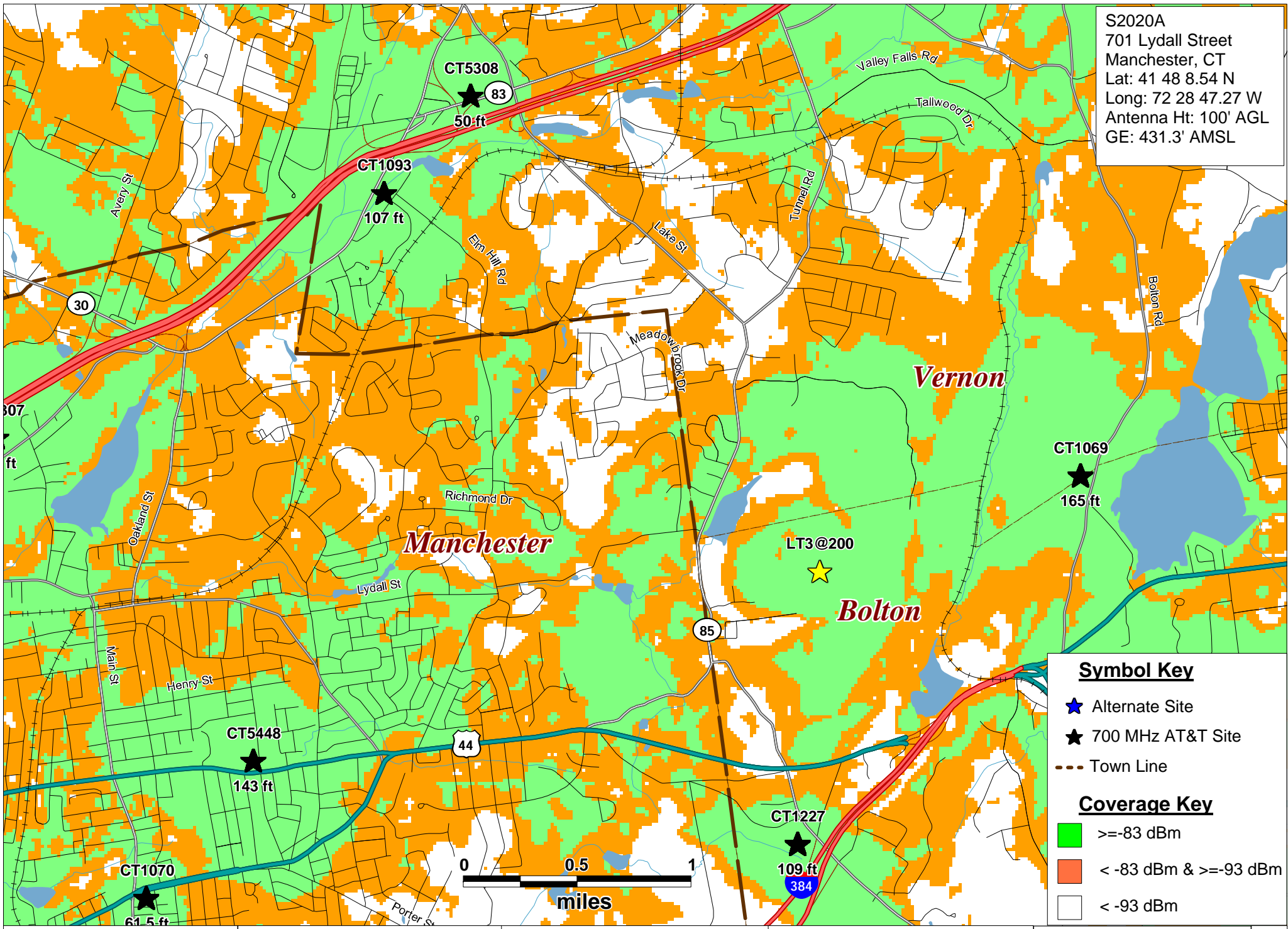
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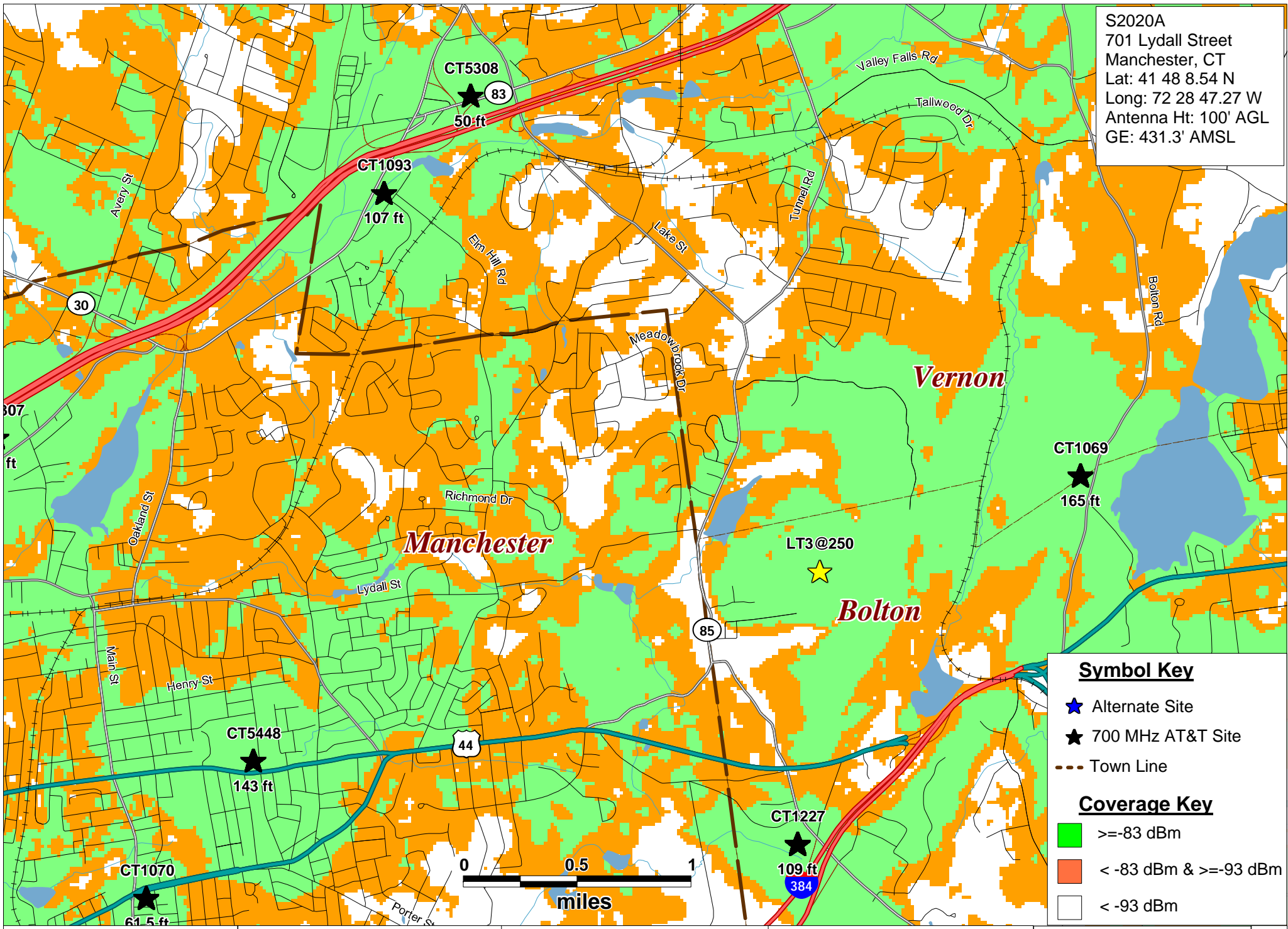
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Existing 700 MHz LTE Coverage with Land Trust 3 at 250 feet AGL

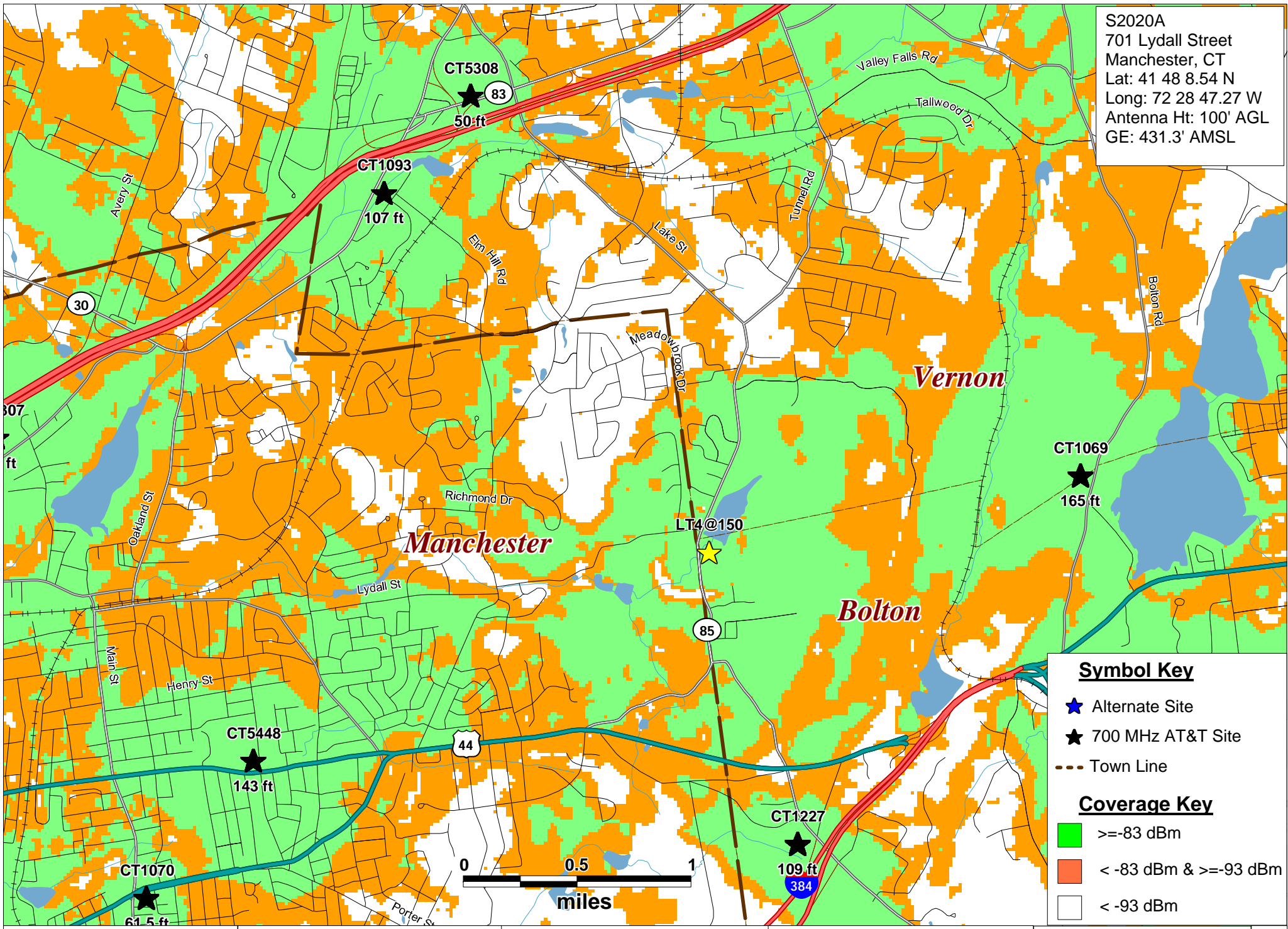
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Existing 700 MHz LTE Coverage with Land Trust 4 at 150 feet AGL

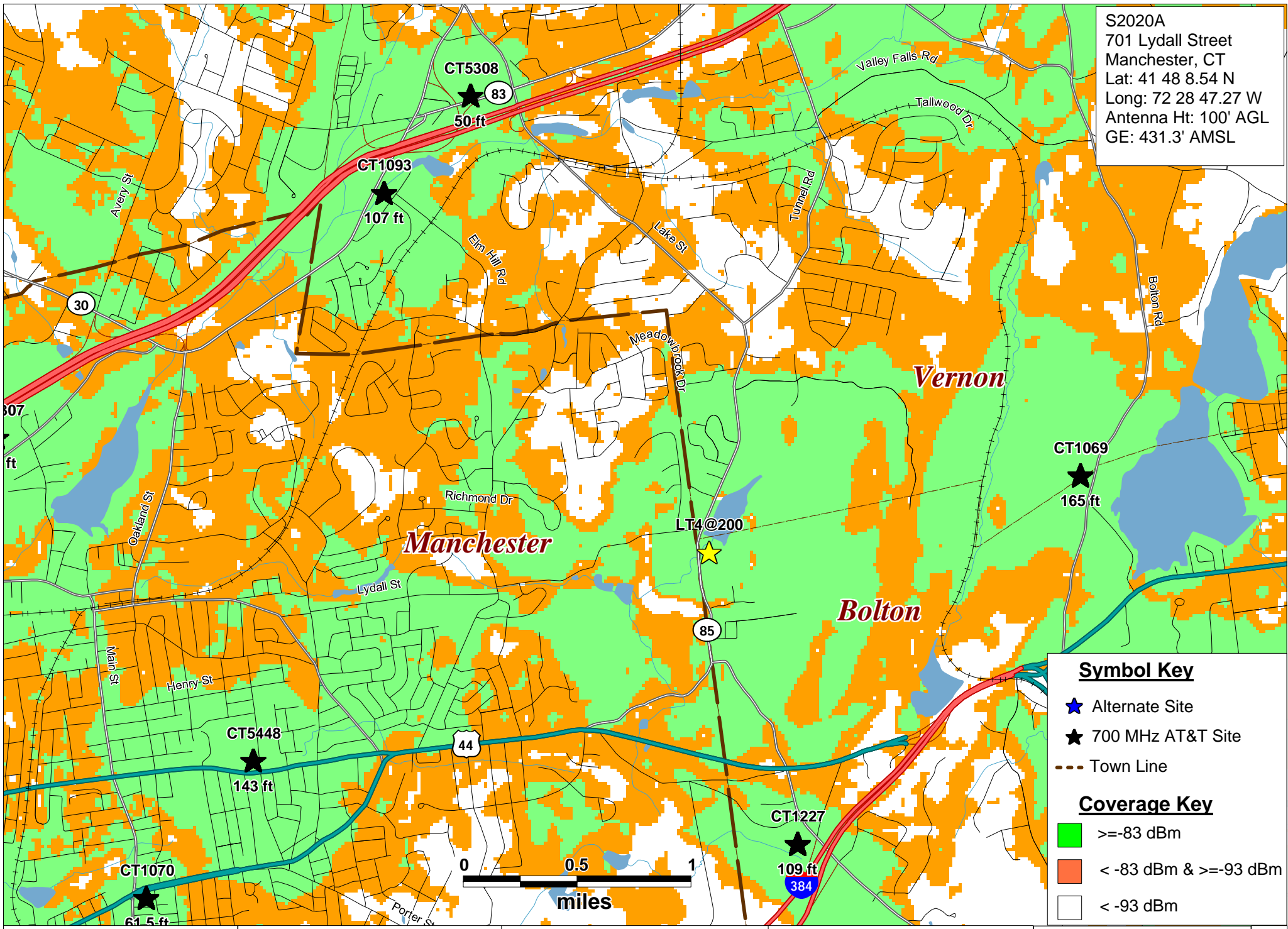
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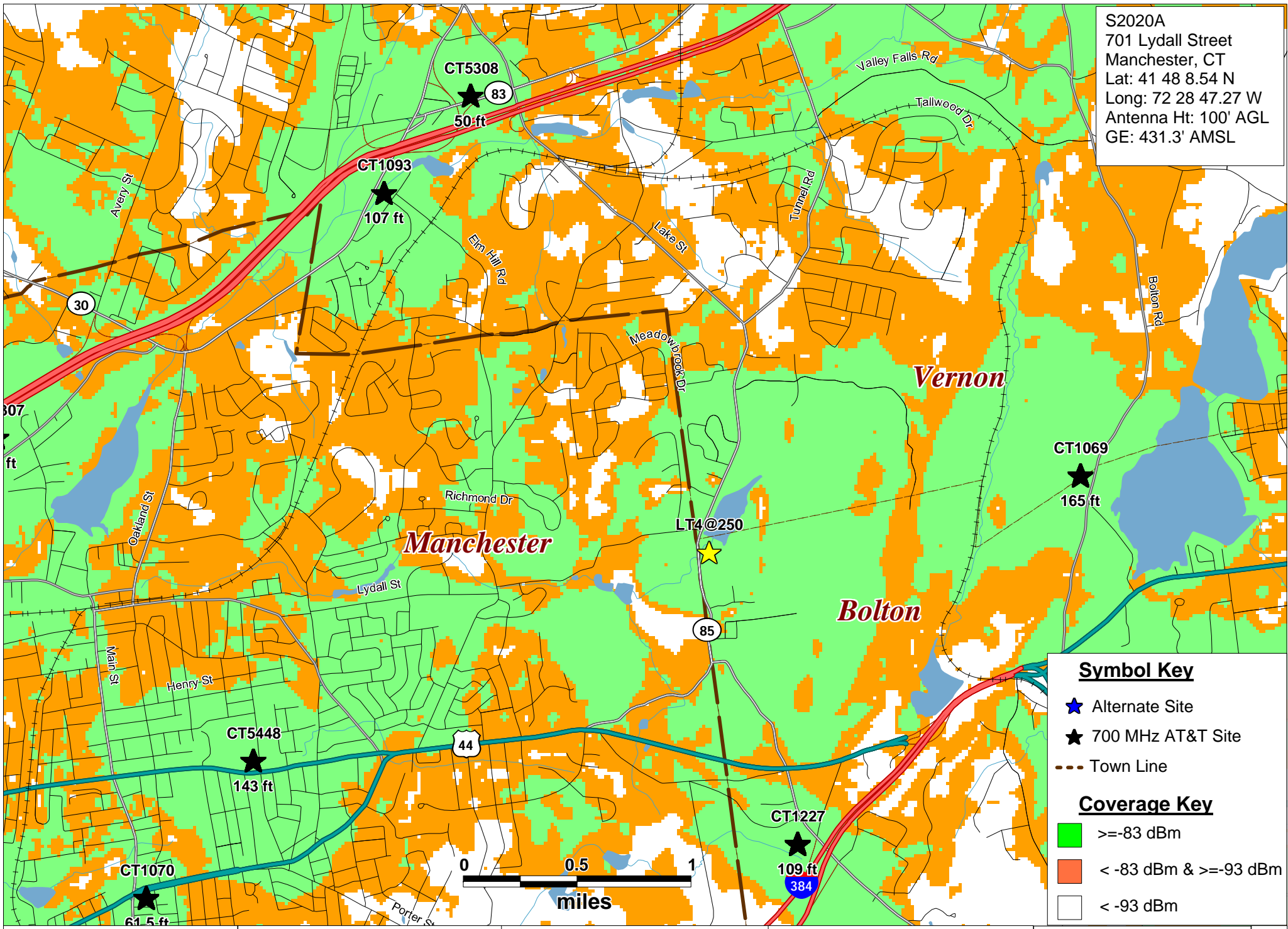
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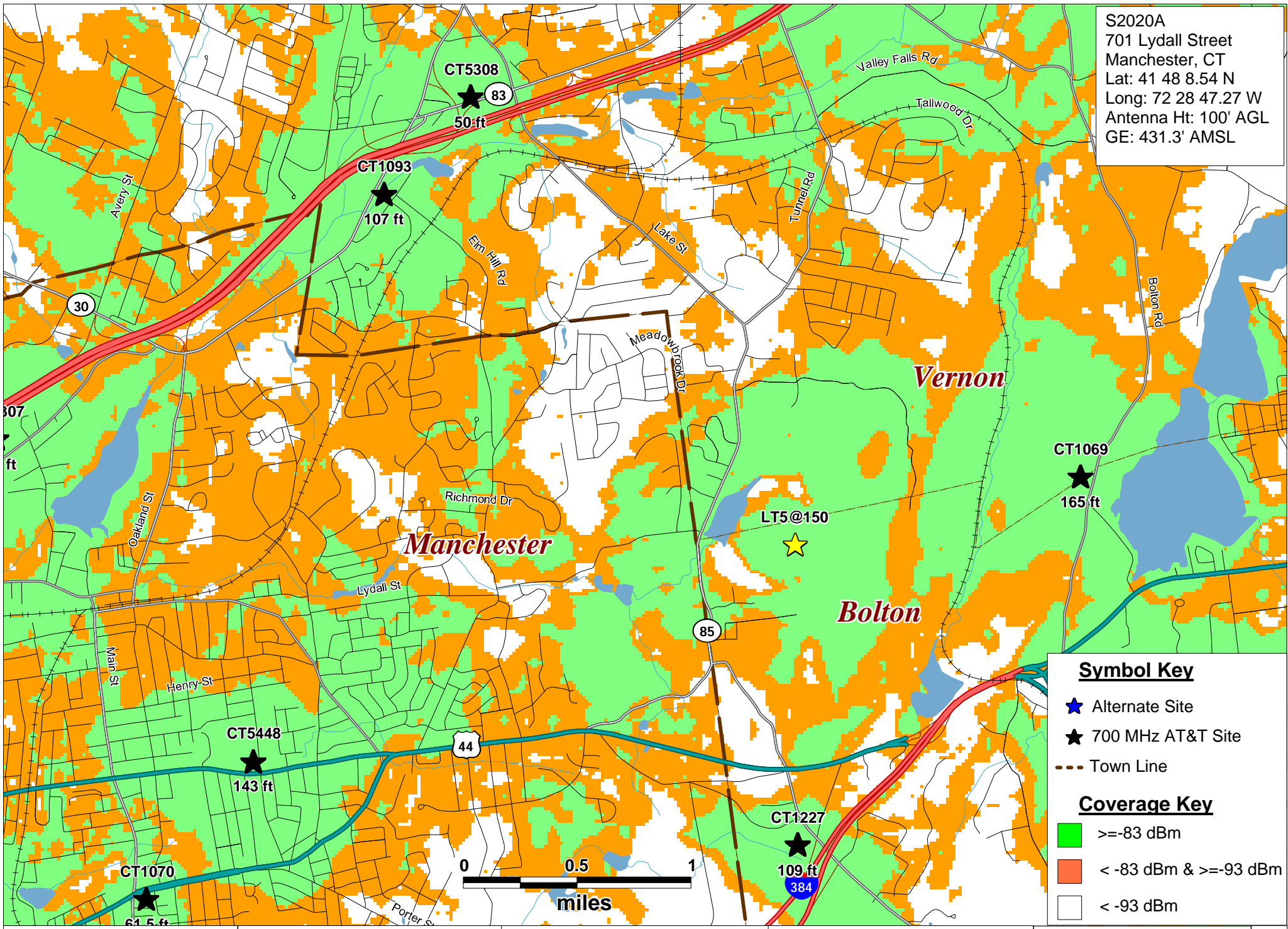
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Existing 700 MHz LTE
 Coverage with Land Trust 5
 at 150 feet AGL

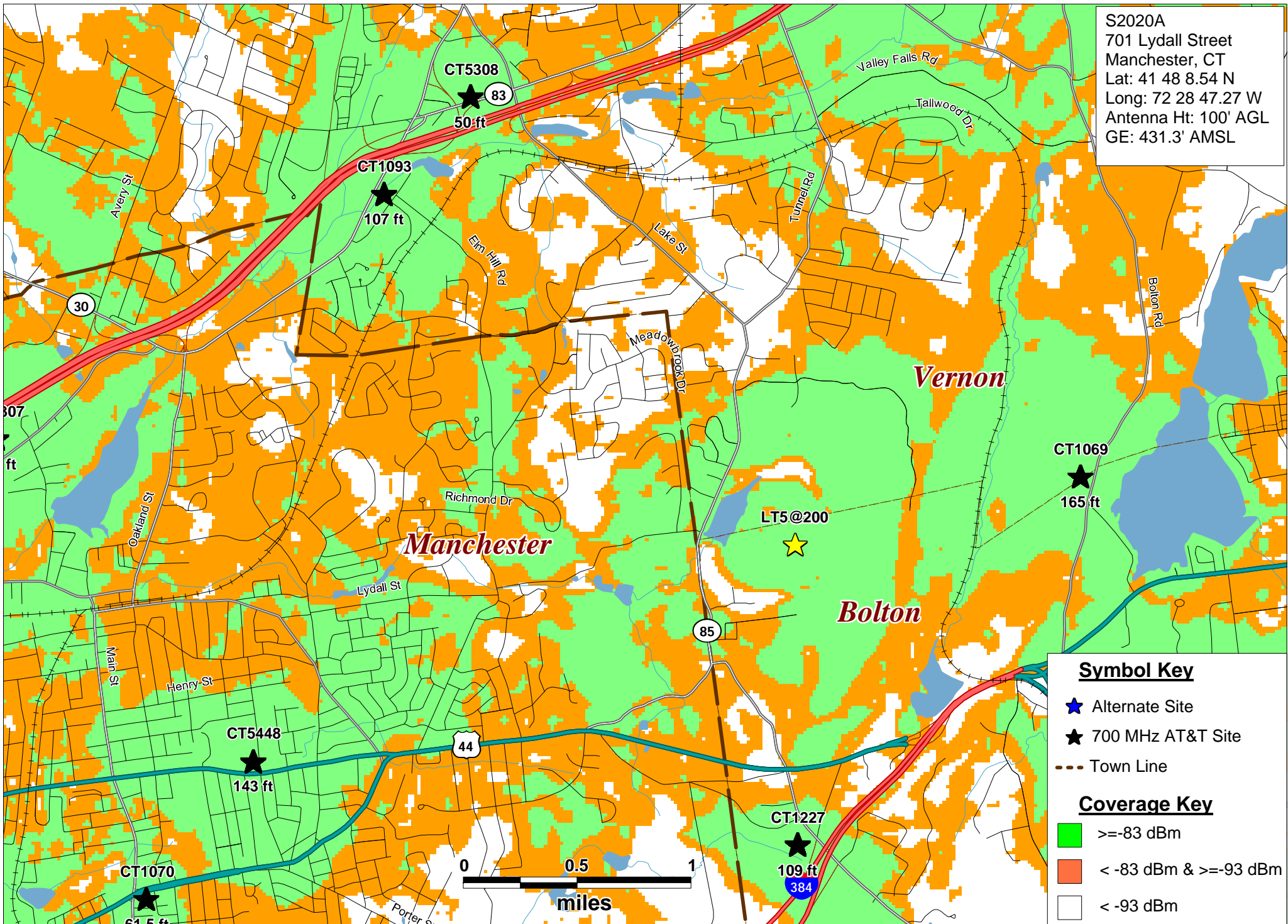
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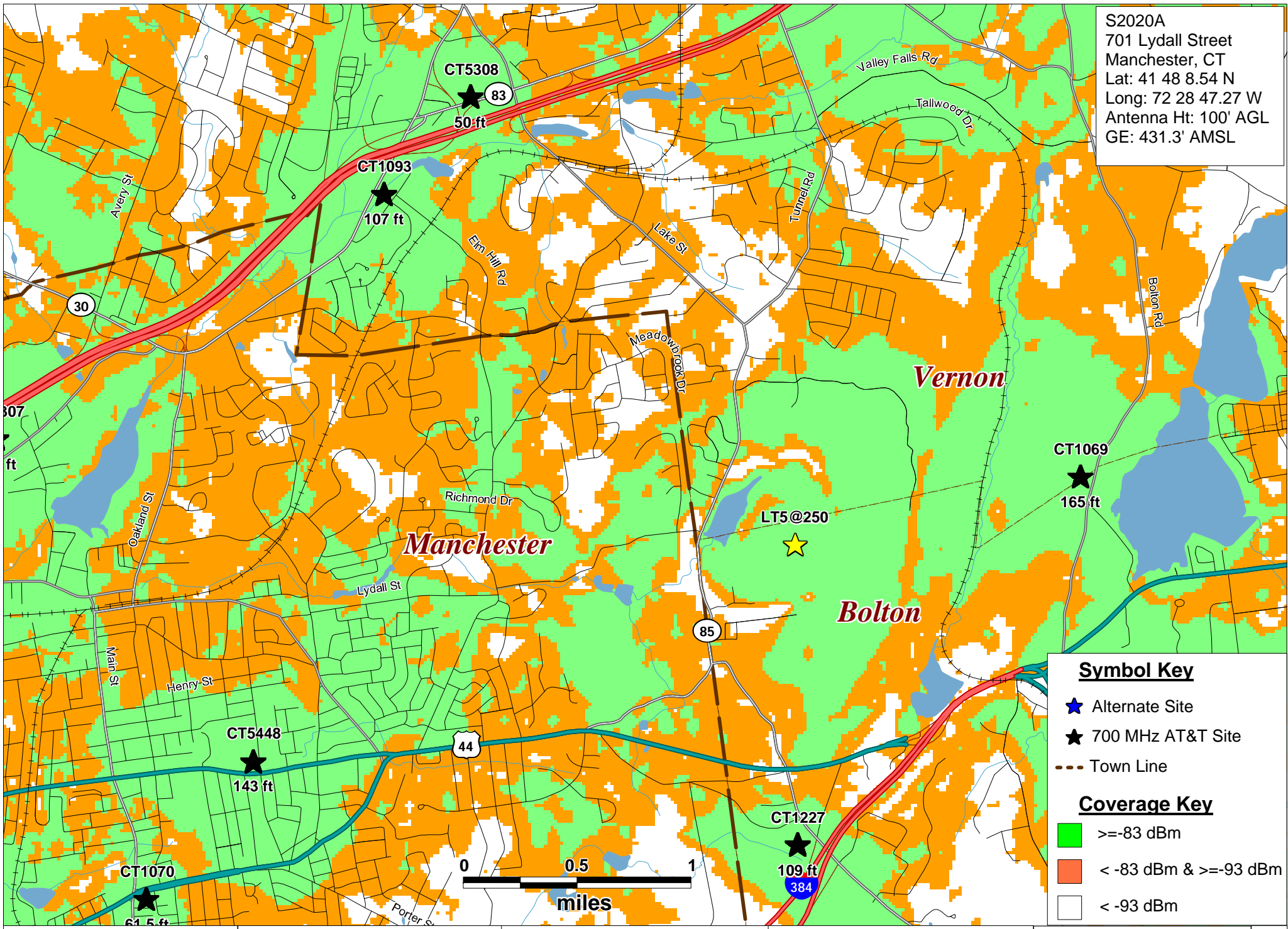
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