

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

Internet: ct.gov/csc

Daniel F. Caruso

Chairman

May 7, 2008

Jennifer Young Gaudet

Transcend Wireless

479 Route 17 North

2nd Floor

Mahwah, NJ 07430

RE: **EM-SPRINT-NEXTEL-015-080325** – Sprint Nextel Corporation notice of intent to modify an existing telecommunications facility located at 1280/1330 Chopsey Hill Road, Bridgeport, Connecticut.

Dear Ms. Gaudet:

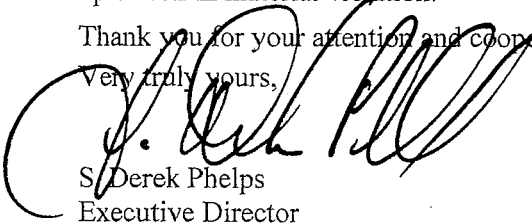
The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated March 24, 2008, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,



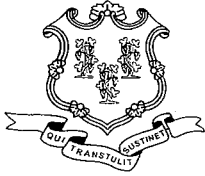
S/Derek Phelps
Executive Director

SDP/MP

c: Honorable Bill Finch, Mayor, City of Bridgeport
Melanie J. Howlett, Associate City Attorney, City of Bridgeport
Remo Tartaglia



Affirmative Action / Equal Opportunity Employer



STATE OF CONNECTICUT

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Phone: (860) 827-2935 Fax: (860) 827-2950

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Internet: ct.gov/csc

Daniel F. Caruso
Chairman

March 27, 2008

The Honorable Bill Finch
Mayor
City of Bridgeport
City Hall Annex
999 Broad Street
Bridgeport, CT 06604

RE: **EM-SPRINT-NEXTEL-015-080325** – Sprint Nextel Corporation notice of intent to modify an existing telecommunications facility located at 1280/1330 Chopsey Hill Road, Bridgeport, Connecticut.

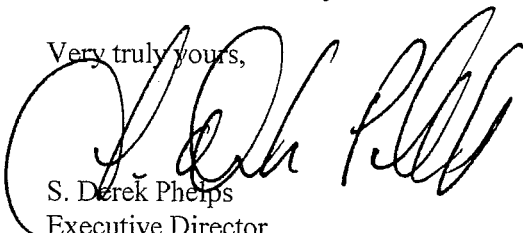
Dear Mayor Finch:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

If you have any questions or comments regarding this proposal, please call me or inform the Council by April 10, 2008.

Thank you for your cooperation and consideration.

Very truly yours,


S. Derek Phelps
Executive Director

SDP/jb

Enclosure: Notice of Intent

c: Melanie J. Howlett, Associate City Attorney, City of Bridgeport

Transcend Wireless

479 ROUTE 17 NORTH
2ND FLOOR
MAHWAH, NJ 07430

PHONE: 201.684.0055
FAX: 201.684.0066

EM-SPRINT-NEXTEL-015-080325

VIA OVERNIGHT DELIVERY

March 24, 2008

ORIGINAL

Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051
Attn: Mr. S. Derek Phelps, Executive Director

RECEIVED
MAR 25 2008
CONNECTICUT
SITING COUNCIL

Re: Sprint Nextel Corporation – exempt modification
1280/1330 Chopsey Hill Road, Bridgeport, Connecticut

Dear Mr. Phelps:

This letter and attachments are submitted on behalf of Sprint Nextel Corporation (also identified as “Sprint” or “Nextel”). Sprint is enhancing its wireless system in Connecticut by implementing WiMAX technology. In order to do so, Sprint will modify antenna configurations and add related equipment at a number of its existing sites. Please accept this letter and attachments as notification, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter and attachments is being sent to the Mayor of Bridgeport.

Sprint plans to modify the existing facility at 1280 Chopsey Hill Road (a/k/a 1330 Chopsey Hill Road), Bridgeport (coordinates 41°13’10.52” N, -73°12’05.58” W). Attached are a compound plan and elevation depicting the planned changes, and documentation of the structural sufficiency of the tower to accommodate the revised antenna configuration. Also included is a power density calculation reflecting the modification to Sprint’s operations at the site.

The changes to the facility do not constitute a modification as defined in Connecticut General Statutes (“C.G.S.”) Section 16-50i(d) because the general physical characteristics of the facility will not be significantly changed. Rather, the planned changes to the facility fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(b)(2).

Mr. S. Derek Phelps


March 24, 2008

Page 2

1. The height of the overall structure will be unaffected. Both Sprint's existing and proposed antennas will be located with center lines at approximately 187' AGL on the 240' tower. Six CDMA antennas are currently installed; three (3) WiMAX panel antennas (one per sector) will be added. One GPS receive-only antenna will be attached to the existing ice bridge. In addition, three microwave dishes, two approximately 1' diameter and one approximately 2' diameter, will be placed at approximately the 180' level of the tower. None of the modifications will extend the height of the tower.
2. The proposed changes will not extend the site boundaries. Two additional cabinets will be added to the Sprint equipment configuration. They will be placed on a 7' x 8' concrete slab within the existing compound, and the ice bridge will be extended to reach the cabinets. Thus, there will be no effect on the site boundaries.
3. The proposed changes will not increase the noise level at the existing facility by six decibels or more. The incremental effect of the additional cabinets will be negligible.
4. The changes to the facility will not increase the calculated "worst case" power density for the combined operations at the site to a level at or above the applicable standard for uncontrolled environments as calculated for a mixed frequency site. As indicated on the attached power density calculation, Sprint's operations at the site will result in a power density of 19.3893%; the combined site operations will result in a total power density of 55.4065%.

Please feel free to call me at (860) 798-7454 with questions concerning this matter.
Thank you for your consideration.

Respectfully yours,

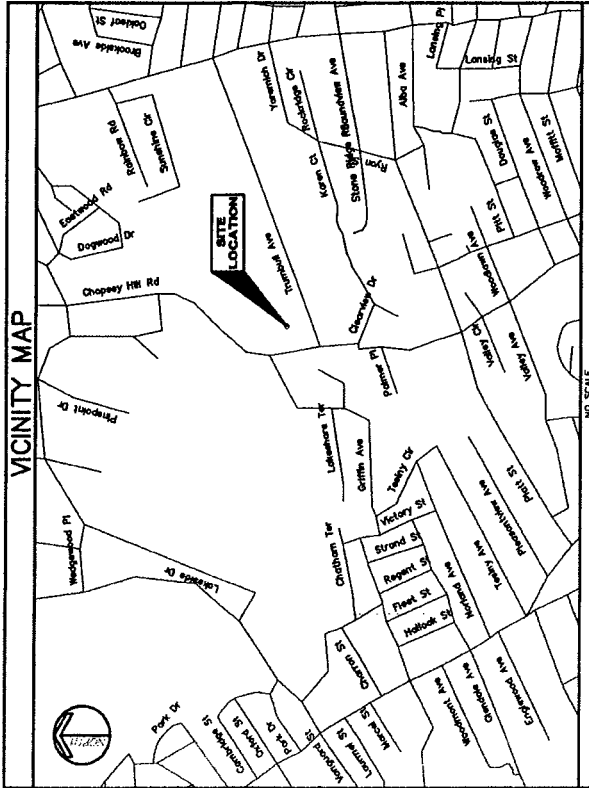

Jennifer Young Gaudet

cc: Honorable Bill Finch, Mayor, City of Bridgeport
Attachments



**EAST FARM VILLAGE
CT01YC346 / CT03XC325
1280 CHOPSEY HILL ROAD
BRIDGEPORT, CT 06606**

NOT FOR CONSTRUCTION



DRIVING DIRECTIONS

FROM 100 CORPORATE PLACE, ROCKY HILL, CT:
HEAD SOUTH ON CORPORATE PLACE. TURN LEFT ON WEST STREET. THEN MERGE RIGHT ON I-91 (S) TOWARD NEW HAVEN. TAKE EXIT 17 (WILBER CROSS PKWY. /RT-15 (S)). GO SOUTH ON RT-15 TO EXIT 52 (RT-8). SOUTH ON RT-8, TAKE EXIT 7 (OLD TOWN ROAD). TAKE OLD TOWN ROAD (SW) WHICH BECOMES TRUMBULL AVENUE. TURN RIGHT ON CHOPSEY HILL ROAD. SITE IS ON YOUR RIGHT.

PROJECT INDEX

| | |
|---------------------------|--|
| SITE NUMBER: | CT01YC346 / CT03XC325 |
| SITE NAME: | EAST FARM VILLAGE |
| SITE ADDRESS: | 1280 CHOPSEY HILL ROAD BRIDGEPORT, CT 06606 |
| APPLICANT: | SPRINT NEXTEL CORP. 1 INTERNATIONAL BLVD., SUITE 800 MAHWAH, NJ 07485 |
| APPLICANT REPRESENTATIVE: | TRANSCEND WIRELESS, LLC 479 ROUTE 17 NORTH, 2ND FLOOR MAHWAH, NJ 07430 |
| CONTACT: | JASON DEIBERT (347) 284-8617 |
| PROPERTY OWNER: | UNISON SITE MANAGEMENT LLC 92 THOMAS JOHNSON DRIVE FREDERICK, MARYLAND 21702 |
| JURISDICTION: | CONNECTICUT SITING COUNCIL |
| TAX MAP/BLOCK/LOT: | UNKNOWN |
| ZONING DISTRICT: | UNKNOWN |
| COORDINATES: | 41° 13' 10.52" N (41.21958822 N) -73° 12' 05.58" W (-73.20155 W) |

SHEET INDEX

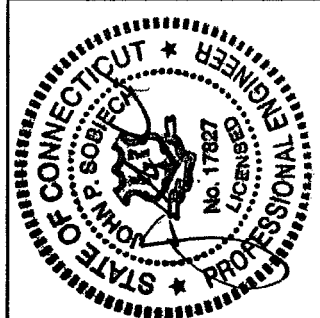
| SHEET NO: | SHEET TITLE | REVISION HISTORY | |
|-----------|-----------------|------------------|--------------|
| | | NO: | DATE |
| T01 | TITLE SHEET | 1 | 03 / 10 / 08 |
| SC01 | COMPOUND PLAN | 1 | 03 / 10 / 08 |
| SC02 | TOWER ELEVATION | 1 | 03 / 10 / 08 |

APPLICANT:
SPRINT NEXTEL CORP.
1 INTERNATIONAL BLVD, SUITE 800
MAHWAH, NJ 07485

TRANSCEND WIRELESS, LLC
479 ROUTE 17 NORTH,
2ND FLOOR
MAHWAH, NJ 07430

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CLOUGH HARBOUR & ASSOCIATES LLP
81 Wilton Chase, PO Box 5280 Albany, NY 12205-0288
Main: (518) 452-5500 • www.cloughharbour.com
CHA PROJECT NO.
17181 - 3004 - 1601

| NO. | DATE | ISSUED FOR | BY: | CHK: | APP'D: |
|-----|----------|------------------------------|-----|------|------------|
| 0 | 11/14/07 | ISSUED FOR SITING COUNCIL | PAL | RJT | APPR: JPS |
| 1 | 03/10/08 | RE-ISSUED FOR SITING COUNCIL | BY: | CHK: | APP'D: JPS |



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SITE ID:
CT01YC346 - CT03XC325
SITE NAME:
EAST FARM VILLAGE
SITE ADDRESS:
**1280 CHOPSEY HILL ROAD
BRIDGEPORT, CT 06606
FAIRFIELD COUNTY**

SHEET TITLE
TITLE SHEET
SHEET NUMBER
T01

APPLICANT:

**SPRINT NEXTEL
CORP.**

1 INTERNATIONAL BLVD, SUITE 800
MAHWAH, NJ 07435

TRANSCEND WIRELESS, LLC
479 ROUTE 17 NORTH,
2ND FLOOR
MAHWAH, NJ 07430

CHA
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CLOUGH HARBOUR & ASSOCIATES LLP
111 Wilkes Circle, PO Box 5008 - Albany, NY 12205-0008
Main: (518) 452-4500 • Fax: (518) 452-4501
CHA PROJECT NO:
17181 - 3004 - 1801

| SUBMITTAL | | | |
|-----------|----------|---------------|----------------|
| NO. | DATE | ISSUED FOR | SITING COUNCIL |
| 0 | 11/14/07 | CHK: PAL | APP'D: JPS |
| 1 | 03/10/08 | RE-ISSUED FOR | SITING COUNCIL |
| | | CHK: BKC | APP'D: JPS |

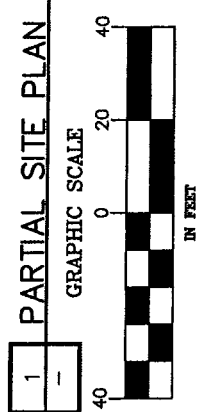
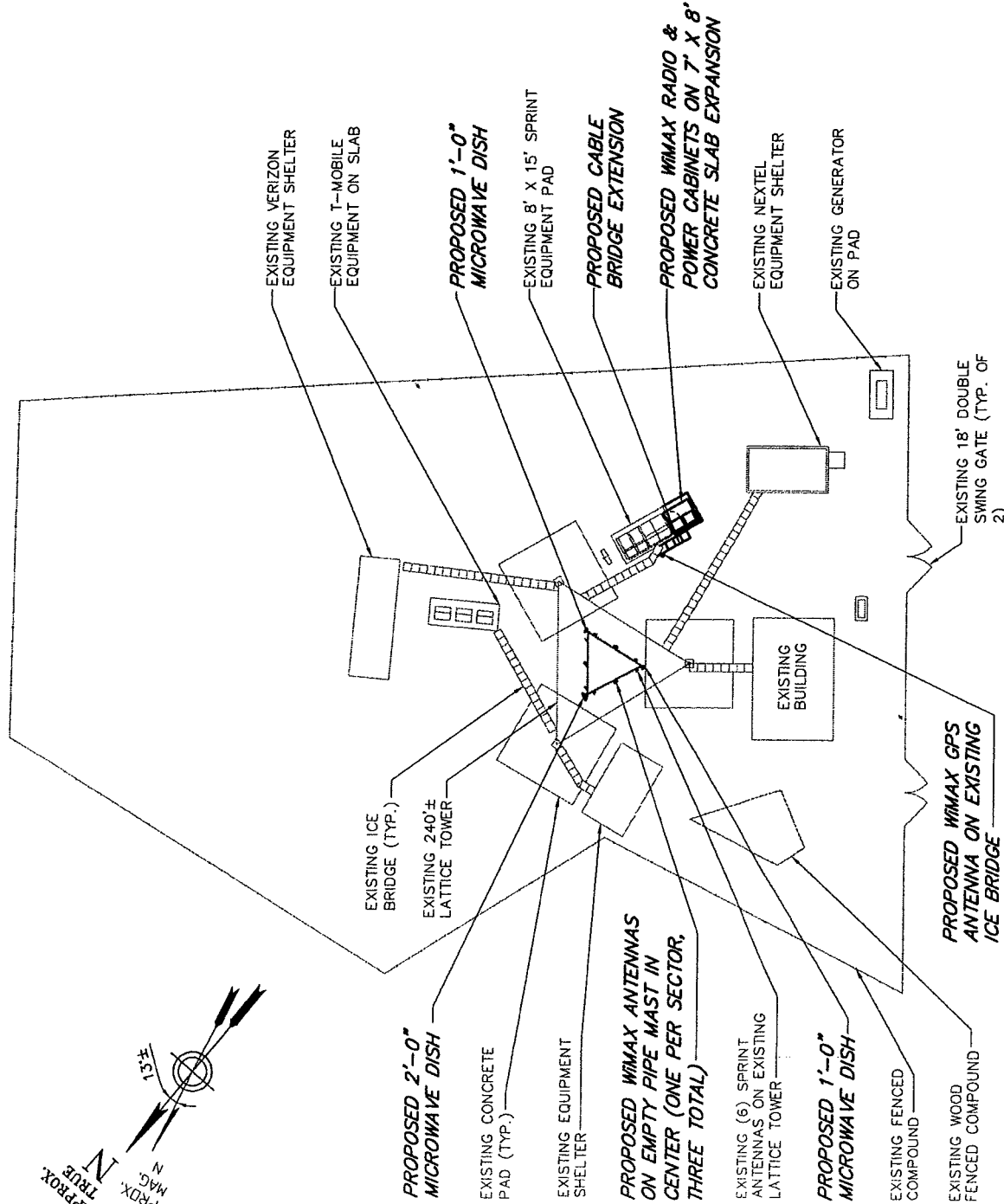


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SITE ID:
CT01YC346-CT03XC325
SITE NAME:
EAST FARM VILLAGE
SITE ADDRESS:
1280 CHOPSEY HILL
ROAD
BRIDGEPORT, CT 06606
FAIRFIELD COUNTY

SHEET TITLE
COMPOUND PLAN

SHEET NUMBER
SC01



NOT FOR CONSTRUCTION

APPLICANT:

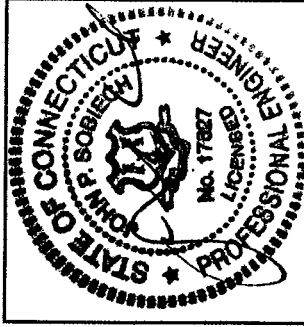
**SPRINT NEXTEL
CORP.**

1 INTERNATIONAL BLVD, SUITE 800
MAHWAH, NJ 07485

TRANSCEND WIRELESS, LLC
479 ROUTE 17 NORTH,
2ND FLOOR
MAHWAH, NJ 07430

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CLOUGH HARBOUR & ASSOCIATES LLP
11 Wynnton Circle, PO Box 5269 - Albany, NY 12205-0269
Main: (518) 432-3300 • Fax: (518) 432-3301 • www.cloughharbour.com
CH&A PROJECT NO.
17181 - 3004 - 1601

| NO. | DATE | DESCRIPTION |
|-----|----------|------------------------------|
| 0 | 11/14/07 | ISSUED FOR SITING COUNCIL |
| | BY: PAL | CHK: RJT APP'D: JPS |
| 1 | 03/10/08 | RE-ISSUED FOR SITING COUNCIL |
| | BY: EKC | CHK: RJT APP'D: JPS |

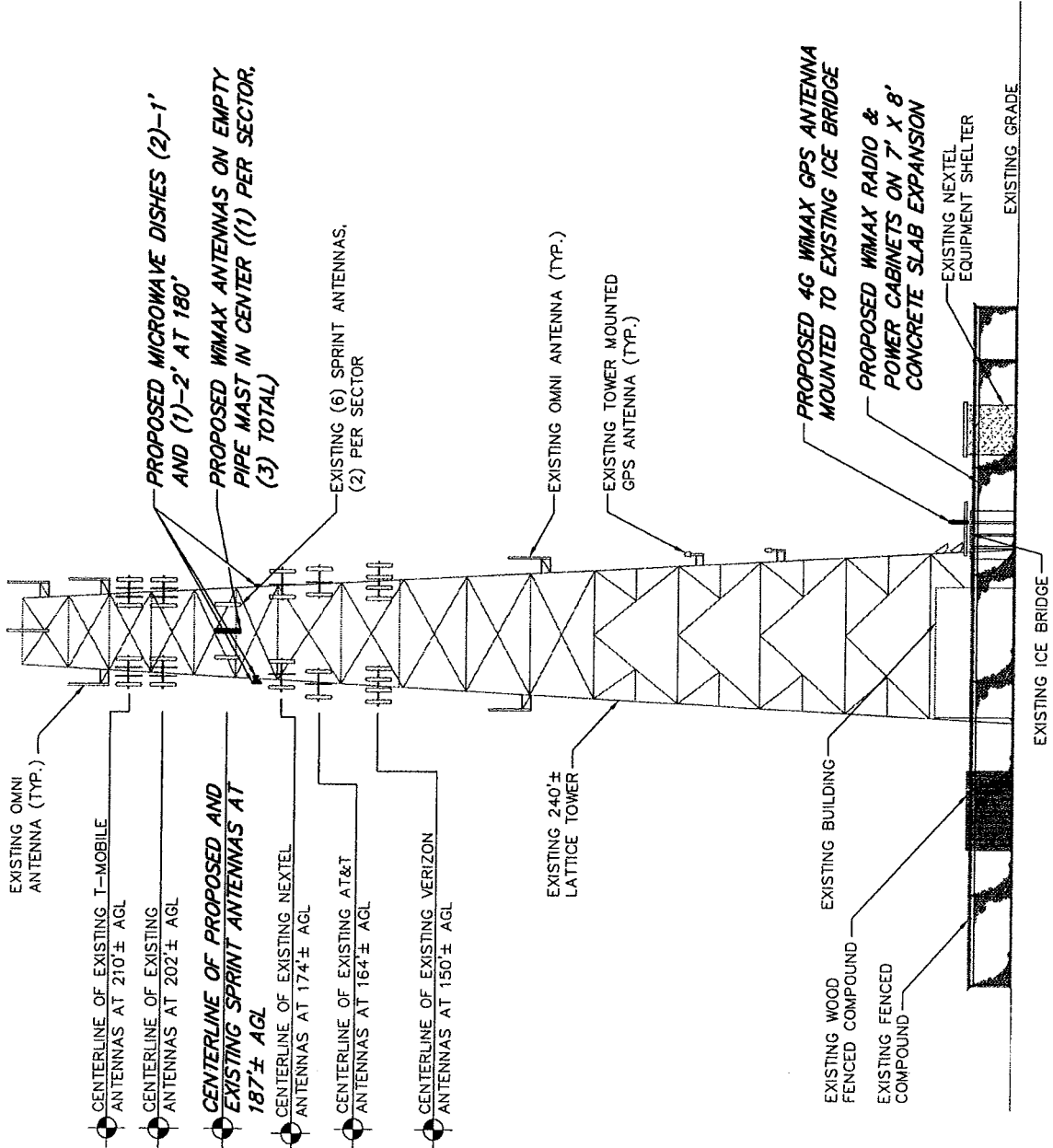


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SITE ID:
CT01YC346-CT03XC325
SITE NAME:
EAST FARM VILLAGE
SITE ADDRESS:
1280 CHOPSEY HILL
ROAD
BRIDGEPORT, CT 06606
FAIRFIELD COUNTY

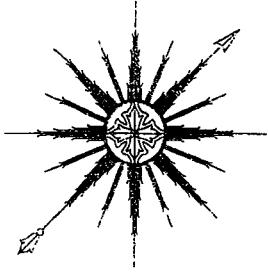
SHEET TITLE
TOWER ELEVATION

SHEET NUMBER
SC02



| | |
|---|-----------------------|
| 1 | SITE ELEVATION |
| - | NO SCALE |

NOT FOR CONSTRUCTION



ALL-POINTS TECHNOLOGY CORPORATION, P.C.

**STRUCTURAL ANALYSIS REPORT
240' SELF-SUPPORTING TOWER
CHOPSEY HILL
BRIDGEPORT, CONNECTICUT**

Prepared for
Transcend Wireless, LLC

Sprint Site #CT01YC346-CT03XC325

March 7, 2008



APT Project #CT265110

**STRUCTURAL ANALYSIS REPORT
240' SELF-SUPPORTING TOWER
BRIDGEPORT, CONNECTICUT
prepared for
Transcend Wireless, LLC**

EXECUTIVE SUMMARY:

All-Points Technology Corporation, P.C. (APT) performed a structural analysis of this 240-foot ROHN Model SSMW self-supporting tower. The analysis was performed for Sprint's proposed addition of three KMW Model AM-X-WM-17-65 panel antennas on existing mounts at 187', fed by six 1-5/8" waveguide cables, and three small microwave dish antennas at 180' fed by six 3/8" lines.

Our analysis indicates the tower meets the requirements of the Connecticut State Building Code and EIA/TIA-222 with the proposed equipment. Foundations were evaluated from original design reactions and were found to be adequate.

INTRODUCTION:

A structural analysis was performed on the above-mentioned communications tower by APT for Transcend Wireless, LLC. The tower is located on Chopsey Hill in Bridgeport, Connecticut.

APT previously visited the tower site on November 21, 2007 to record information regarding physical and dimensional properties of the structure and its appurtenances. Robert O. Parrott climbed the structure in its entirety to compile data necessary to perform the structural analysis.

The analysis also utilized information previously provided to APT, which included ROHN tower drawing No. C880398 dated January 28, 1988, and a structural analysis report prepared by Tectonic Engineering Consultants, P.C. dated July 26, 2002 (W.O. #2955.01, Revision 4).

The structure is a 240-foot ROHN Model SSMW three-legged, galvanized steel, self-supporting tower. The tower was originally designed to be extended to 270'.

The analysis was performed in accordance with EIA/TIA-222-F using the following antenna inventory (proposed equipment shown in **bold** text):

All-Points Technology Corporation

150 Old Westside Road
North Conway, NH 03860
(603) 356-5214

3 Saddlebrook Drive
Killingworth, CT 06419
(860) 663-1697

| Antenna | Elev. | Mount | Coax. |
|--|-------------|------------------------|--------------------------|
| Beacon | 240' | Top plate | 1" conduit |
| 16' omnidirectional whip | 240' | 8' pipe on bracing | 1-1/4" |
| Vacant | 238' | 3' sidearm | 7/8" (dead) |
| 12' omnidirectional whip | 236' | 3' sidearm | 1-1/4" |
| (2) 10' omnidirectional whips | 230' | (2) 3' sidearms | 7/8", 1-1/4" |
| Vacant | 229' | 10' x 2-3/8" pipe | None |
| 10' omnidirectional whip | 224' | 3' sidearm | (2) 1-1/4" |
| (6) 800-10504 panels, (6) RCUs | 210' | (3) 10' sector mounts | (12) 1-5/8" |
| (6) APX-16PV-16PVL, (6) TMAs | 202' | (3) 13' sector mounts | (12) 1-5/8" |
| (6) RR90-11-00DBL, (3) AM-X-WM-17-65 ¹ | 187' | (3) 6' sector mounts | (18) 1-5/8" ² |
| Vacant | 185' | 14' x 2-7/8" pipe | None |
| (2) 1' & (1) 2' high performance dishes | 180' | Legs | (6) 3/8" |
| 4' yagi | 176' | 10' x 2-3/8" pipe | 7/8" |
| (6) 7184.05 panel antennas | 174' | (9) 14' x 2-7/8" pipes | (6) 1-5/8" |
| (6) 7740.00 panels, (9) TMAs | 164' | (3) 14' sector mounts | (12) 1-5/8" |
| 20' omnidirectional whip | 163' | On sector mount above | (2) 1-5/8" |
| (6) APL199014, (6) APL869012 | 150' | (3) 14' sector mounts | (12) 1-5/8" |
| (3) obstruction lights | 140' | Legs | 1" conduit |
| 10' omnidirectional whip | 136' | 2' sidearm | 3/8" |
| Vacant | 132' | 2' sidearm | None |
| 12' omnidirectional whip | 118' | 3' sidearm | 7/8" |
| 12' omnidirectional whip | 108' | 3' sidearm | (2) 3/8" |
| 4' yagi | 98' | 2' sidearm | (2) 3/8" |
| Vacant | 82' | 2' sidearm | (2) 3/8" (dead) |
| 0.8M satellite dish | 25' | 1.5' sidearm | 1/8" |

¹ Currently six RR90-11-00DBL panels installed.

² Six new waveguide cables assumed to be installed stacked on existing twelve lines.

STRUCTURAL ANALYSIS:

Methodology:

The structural analysis was done in accordance with EIA/TIA-222-F, Structural Standards for Steel Antenna Towers and Antenna Supporting Structures (EIA); and the American Institute

All-Points Technology Corporation

150 Old Westside Road
 North Conway, NH 03860
 (603) 356-5214

3 Saddlebrook Drive
 Killingworth, CT 06419
 (860) 663-1697

of Steel Construction (AISC), Manual of Steel Construction, Allowable Stress Design, Ninth Edition.

The analysis was conducted using a fastest mile wind speed of 85 miles per hour (equivalent to 105-mph 3-second gust) and one-half inch of radial ice over the entire structure and all appurtenances. The EIA/TIA Standard requires a basic wind speed of 85 miles per hour for Fairfield County, Connecticut.

Two loading conditions were evaluated in accordance with EIA/TIA-222-F to determine the tower's capacity. The more demanding of the two cases is used to calculate the tower capacity:

- Case 1 = Wind Load (without ice) + Tower Dead Load
- Case 2 = 0.75 Wind Load (with ice) + Ice Load + Tower Dead Load

The TIA/EIA standard permits a one-third increase in allowable stresses for towers less than 700-feet tall. Allowable stresses of tower members were increased by one-third when computing the load capacity values shown below.

Analysis Results:

Analysis of the tower was conducted in accordance with the criteria outlined herein with antenna additions as previously described.

The following table summarizes the results of the analysis based on stresses of individual leg and bracing members:

| Elevation | Legs | Bracing |
|-----------|------|---------|
| 220'-240' | 1% | 6% |
| 200'-220' | 3% | 14% |
| 180'-200' | 6% | 27% |
| 160'-180' | 12% | 50% |
| 140'-160' | 20% | 75% |
| 120'-140' | 29% | 51% |
| 100'-120' | 34% | 94% |
| 80'-100' | 43% | 61% |
| 60'-80' | 41% | 67% |
| 30'-60' | 49% | 81% |
| 0'-30' | 61% | 92% |

All-Points Technology Corporation

150 Old Westside Road
North Conway, NH 03860
(603) 356-5214

3 Saddlebrook Drive
Killingworth, CT 06419
(860) 663-1697

Base Foundation:

Foundations were evaluated by comparing calculated base reactions with original design reactions shown on ROHN tower drawings. The foundations were found to be adequate.

Base reactions imposed with the additional antennas were calculated as follows:

| | |
|---------------------|---------------|
| Uplift: | 332.7 kips |
| Compression: | 418.1 kips |
| Shear: | 68.1 kips |
| Overturning Moment: | 13088 ft-kips |

CONCLUSIONS AND RECOMMENDATIONS:

Our structural analysis indicates that the 240-foot ROHN self-supporting tower located on Chopsey Hill in Bridgeport, Connecticut meets the requirements of the Connecticut State Building Code and EIA/TIA-222 with Sprint's proposed equipment.

LIMITATIONS:

This report is based on the following:

1. Tower is properly installed and maintained.
2. All members are in new condition.
3. All required members are in place.
4. All bolts are in place and are properly tightened.
5. Tower is in plumb condition.
6. All tower members were properly designed, detailed, fabricated, and installed and have been properly maintained since erection.

All-Points Technology Corporation, P.C. (APT) is not responsible for modifications completed prior to or hereafter which APT is not or was not directly involved. Modifications include but are not limited to:

1. Replacing or strengthening bracing members.
2. Reinforcing vertical members in any manner.
3. Adding or relocating torque arms or guys.
4. Installing antenna mounting gates or side arms.

All-Points Technology Corporation

150 Old Westside Road
North Conway, NH 03860
(603) 356-5214

3 Saddlebrook Drive
Killingworth, CT 06419
(860) 663-1697

APT hereby states that this document represents the entire report and that it assumes no liability for any factual changes that may occur after the date of this report. All representations, recommendations, and conclusions are based upon the information contained and set forth herein. If you are aware of any information which is contrary to that which is contained herein, or you are aware of any defects arising from the original design, material, fabrication and erection deficiencies, you should disregard this report and immediately contact APT. APT disclaims all liability for any representation, recommendation, or conclusion not expressly stated herein.

All-Points Technology Corporation

150 Old Westside Road
North Conway, NH 03860
(603) 356-5214

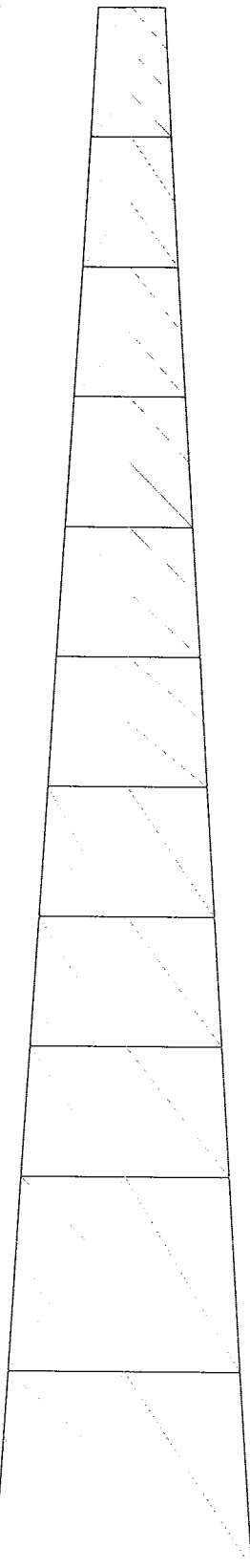
3 Saddlebrook Drive
Killingworth, CT 06419
(860) 663-1697

Appendix A

Tower Schematic

| | | | | | | | | | | | | |
|-------------------|--------------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Section | T10 | T11 | T12 | T13 | T14 | T15 | T16 | T17 | T18 | T19 | T20 | T21 |
| Legs | ROHN 10 EH | | | | | | | | | | | |
| Leg Grade | | | | | | | | | | | | |
| Diagonals | ROHN 3 STD | ROHN 3 STD | ROHN 3 STD | ROHN 3 STD | ROHN 3 STD | ROHN 3 STD | ROHN 3 STD | ROHN 3 STD | ROHN 3 STD | ROHN 3 STD | ROHN 3 STD | ROHN 2 STD |
| Diagonal Grade | | | | | | | | | | | | |
| Top Chits | | | | | | | | | | | | |
| Horizontals | ROHN 3.5 STD | ROHN 3 STD | ROHN 2.5 STD | ROHN 2.5 STD | ROHN 2.5 STD | ROHN 2.5 STD | ROHN 2.5 STD | ROHN 2.5 STD | ROHN 2.5 STD | ROHN 2.5 STD | ROHN 2.5 STD | ROHN 2 STD |
| Reed. Horizontals | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| Reed. Diagonals | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD |
| Reed. Hips | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD | ROHN 2 STD |
| Inner Bracing | L3x3x1/4 | L3x3x1/4 | L2 1/2x2 1/2x3/16 | L2 1/2x2 1/2x3/16 | L2 1/2x2 1/2x3/16 | L2 1/2x2 1/2x3/16 | L2 1/2x2 1/2x3/16 | L2 1/2x2 1/2x3/16 | L2 1/2x2 1/2x3/16 | L2 1/2x2 1/2x3/16 | L2 1/2x2 1/2x3/16 | L2 1/2x2 1/2x3/16 |
| Face Width (ft) | 40.25 | 36.23 | 32.54 | 30.04 | 27.54 | 25.04 | 22.54 | 19.96 | 17.46 | 14.96 | 12.63 | 10.58 |
| # Panels @ (ft) | 2 @ 30 | 3 @ 20 | 3 @ 20 | 3 @ 20 | 3 @ 20 | 3 @ 20 | 3 @ 20 | 3 @ 20 | 3 @ 20 | 3 @ 20 | 3 @ 20 | 3 @ 20 |
| Weight (lb) | 59992.2 | 6398.7 | 6070.3 | 6070.3 | 6070.3 | 6070.3 | 6070.3 | 6070.3 | 6070.3 | 6070.3 | 6070.3 | 6070.3 |

240.0 ft
220.0 ft
200.0 ft
180.0 ft
160.0 ft
140.0 ft
120.0 ft
100.0 ft
80.0 ft
60.0 ft
30.0 ft
0.0 ft



DESIGNED APPURTENANCE LOADING

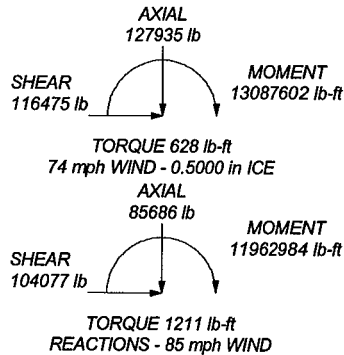
| TYPE | ELEVATION | TYPE | ELEVATION |
|-------------------------|-----------|-----------------------------|-----------|
| Flash Beacon Lighting | 240 | 6' sector mount | 184 |
| 16' x 2.5" omni whip | 240 | 2' HP dish | 180 |
| 8x2 3/8" Pipe Mount | 240 | 1' HP dish | 180 |
| 3' sidearm | 238 | 1' HP dish | 180 |
| 12' x 2" omni whip | 236 | (3) 14' x 2-7/8" pipe mount | 174 |
| 3' sidearm | 236 | (3) 14' x 2-7/8" pipe mount | 174 |
| 10' x 3" omni whip | 230 | (3) 14' x 2-7/8" pipe mount | 174 |
| 10' x 2.5" omni whip | 230 | (2) 7184.05 | 174 |
| 3' sidearm | 230 | (2) 7184.05 | 174 |
| 3' sidearm | 230 | (2) 7184.05 | 174 |
| 10x2 3/8" Pipe Mount | 229 | (3) LGP2140X TMA | 164 |
| 10' x 3" omni whip | 224 | (3) LGP2140X TMA | 164 |
| 3' sidearm | 224 | (3) LGP2140X TMA | 164 |
| (2) 800-10504 | 210 | (2) 7740.00 | 164 |
| (2) 800-10504 | 210 | (2) 7740.00 | 164 |
| (2) 800-10504 | 210 | (2) 7740.00 | 164 |
| (2) 860-10025 RCU | 210 | 14' sector mount | 163 |
| (2) 860-10025 RCU | 210 | 14' sector mount | 163 |
| (2) 860-10025 RCU | 210 | 14' sector mount | 163 |
| 10' sector mount | 210 | (2) APL869012 | 150 |
| 10' sector mount | 210 | (2) APL869012 | 150 |
| 10' sector mount | 210 | (2) APL869012 | 150 |
| (2) APX16PV-16PVL-E | 202 | 14' sector mount | 150 |
| (2) APX16PV-16PVL-E | 202 | 14' sector mount | 150 |
| (2) APX16PV-16PVL-E | 202 | 14' sector mount | 150 |
| (2) G20057A1 TMA | 202 | (2) APL199014 | 150 |
| (2) G20057A1 TMA | 202 | (2) APL199014 | 150 |
| (2) G20057A1 TMA | 202 | (2) APL199014 | 150 |
| 13' sector mount | 202 | Obstruction light | 140 |
| 13' sector mount | 202 | Obstruction light | 140 |
| 13' sector mount | 202 | Obstruction light | 140 |
| (2) RR90-11-00DBL | 187 | 10' x 1" omni whip | 136 |
| (2) RR90-11-00DBL | 187 | 2' sidearm | 136 |
| (2) RR90-11-00DBL | 187 | 2' sidearm | 132 |
| AM-X-WM-17-65 | 187 | 12' x 1.5" omni whip | 118 |
| AM-X-WM-17-65 | 187 | 3' sidearm | 118 |
| AM-X-WM-17-65 | 187 | 3' sidearm | 108 |
| 14' x 2-7/8" pipe mount | 185 | 12' x 2" omni whip | 108 |
| 6' sector mount | 184 | 2' sidearm | 98 |
| 6' sector mount | 184 | 4' yagi | 98 |
| 6x4 1/2" Pipe Mount | 184 | 2' sidearm | 82 |
| 6x4 1/2" Pipe Mount | 184 | .8M satellite dish | 25 |
| 6x4 1/2" Pipe Mount | 184 | | |

MATERIAL STRENGTH

| GRADE | Fy | Fu | GRADE | Fy | Fu |
|---------|--------|--------|---------|--------|--------|
| A572-50 | 50 ksi | 65 ksi | A500-50 | 50 ksi | 62 ksi |

MAX. CORNER REACTIONS AT BASE:

DOWN: 418105 lb
UPLIFT: -332714 lb
SHEAR: 68115 lb



| | | | |
|--|--|--|----------------------------|
| All-Points Technology Corporation | | Job: 240' Self-Supporting Tower | |
| 150 Old Westside Road | | Project: CT265110 Chopsey Hill | |
| North Conway, NH 03860 | | Client: Transcend Wireless | Drawn by: Rob Adair |
| Phone: (603) 496-5853 | | Code: TIA/EIA-222-F | Date: 03/07/08 |
| FAX: (603) 356-5214 | | Scale: NTS | Dwg No. E-1 |

| CT01YC346 (Chopsey Hill Road, Bridgeport, CT) - Siting Council Power Density Calculations | | | | | | | | | |
|---|------------------|--------------------------------|--------------------|---------------------|---------------------------------------|---|------------------|---|--|
| Sprint Nextel Directional Antennas ESMR - 2657 MHz 174' | | | | | | | | | |
| Transmitters: | Frequency in MHz | CT Standard mW/cm ² | Number of Channels | ERP (W) per channel | Centerline of Tx antennas AGL (ft.)** | Power density calculated at base of tower | % of CT Standard | Note: Power densities are in mW/cm ² | |
| WIMAX | 2657 | 1.0000 | 3 | 562 | 187 | 0.0173282 | 1.7328% | | |
| CDMA | 1962.5 | 1.0000 | 11 | 411 | 187 | 0.0464654 | 4.6465% | | |
| Microwave | 19500 | 1.0000 | 2 | 4074 | 180 | 0.0903824 | 9.04% | | |
| Microwave | 22500 | 1.0000 | 2 | 1097 | 180 | 0.0243371 | 2.43% | | |
| Microwave | 22500 | 1.0000 | 2 | 692 | 180 | 0.0153521 | 1.54% | | |
| From previous filings: per CSC power density data base | | | | | | | | | |
| Marcus | | | | | | | 1.2700% | | |
| Marcus | | | | | | | 1.2700% | | |
| Red Star | | | | | | | 0.0000% | | |
| Metrocall | | | | | | | 0.5700% | | |
| Metrocall | | | | | | | 0.4700% | | |
| Clinton Tower | | | | | | | 3.5200% | | |
| AT&T TDMA | | | | | | | 4.0800% | | |
| AT&T GSM | | | | | | | 0.0000% | | |
| AT&T GSM | | | | | | | 1.8200% | | |
| SNET | | | | | | | 4.6600% | | |
| Nextel | | | | | | | 4.9100% | | |
| Verizon | | | | | | | 1.4500% | | |
| T-Mobile | | | | | | | 5.4100% | | |
| Metro PCS | | | | | | | 1.7200% | | |
| | | | | | | | 4.8700% | | |
| Total % of CT Standard | | | | | | | 55.4065% | | |