

# 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@po.state.ct.us www.ct.gov/csc

October 27, 2004

Christopher B. Fisher, Esq. Cuddy & Feder LLP 90 Maple Avenue White Plains, NY 10601-5196

EM-AT&T-015-041019 - AT&T Wireless PCS, LLC notice of intent to modify an existing RE: telecommunications facility located at 1069 Connecticut Avenue, Bridgeport, Connecticut.

Dear Attorney Fisher:

At a public meeting held on October 26, 2004, the Connecticut Siting Council (Council) acknowledged 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 received in our office on October 19, 2004, 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. 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 worstcase 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.

Chairman PBK/laf

The Honorable John Fabrizi, Mayor, City of Bridgeport

Melanie J. Howlett, Assistant City Attorney, City of Bridgeport

Stephen J. Humes, Esq., McCarter & English, LLP

Thomas F. Flynn, III, Nextel Communications

Melanie Girton, Property Management Dept., Spectrasite Communications





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Ten Franklin Square, New Britain, CT 06051 Phone: (860) 827-2935 Fax: (860) 827-2950 E-Mail: siting.council@po.state.ct.us www.ct.gov/csc

October 19, 2004

The Honorable John Fabrizi Mayor City of Bridgeport 999 Broad Street Bridgeport, CT 06604

RE:

EM-AT&T-015-041019 - AT&T Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 1069 Connecticut Avenue, Bridgeport, Connecticut.

Dear Mayor Fabrizi:

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.

The Council will consider this item at the next meeting scheduled for October 26, 2004 at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

If you have any questions or comments regarding this proposal, please call me or inform the council by October 25, 2004.

Thank you for your cooperation and consideration.

Very trally yours

Executive Director

SDP/cm

Enclosure: Notice of Intent

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



# 7 1 9 2004 NOTICE OF INTENT TO MODIFY AN EXISTING TELECOMMUNICATIONS FACILITY AT NAME CONNECTICUT AVENUE, BRIDGEPORT, CONNECTICUT

§ 16-50g et. seq. ("PUESA"), and Sections 16-50j-72(b) of the Regulations of Connecticut State Agencies adopted pursuant to the PUESA, AT&T Wireless PCS, LLC ("AT&T Wireless") hereby notifies the Connecticut Siting Council of its intent to modify an existing facility located at 1069 Connecticut Avenue, Bridgeport, Connecticut (the "Connecticut Avenue Facility"), owned by SpectraSite Communications (the "Tower Owner"). AT&T Wireless and the Tower Owner have agreed to share the use of the Connecticut Avenue Facility, as detailed below.

### **The Connecticut Avenue Facility**

The Connecticut Avenue Facility consists of an approximately one hundred thirty (130) foot monopole (the "Tower") and associated equipment currently being used and/or approved for use for wireless communications by T-Mobile (formerly VoiceStream) and Nextel. A chain link fence surrounds the Tower compound.

### **AT&T Wireless' Facility**

As shown on the enclosed plans prepared by Natcomm, LLC, including a compound plan, tower elevation and antenna configuration of the Connecticut Avenue Facility, AT&T Wireless proposes shared use of the Facility by placing antennas on the Tower and equipment cabinets needed to provide wireless services within the existing fenced compound. AT&T Wireless will install up to 12 panel antennas at approximately the 100 foot level of the Tower and associated equipment including two Nokia Ultrasite cabinets, one E911 cabinet and one SSC cabinet within the existing fenced compound. As evidenced in the letter of structural integrity prepared by SpectraSite Communications, Inc., annexed hereto as Exhibit A, AT&T has confirmed that the tower is structurally capable of supporting the addition of AT&T Wireless' antennas and associated equipment.

### AT&T Wireless' Facility Constitutes An Exempt Modification

The proposed addition of AT&T Wireless' antennas and equipment to the Connecticut Avenue Facility constitutes an exempt "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d) and Council regulations promulgated pursuant thereto. Addition of AT&T Wireless' antennas and equipment to the Tower will not result in an increase of the Tower's height nor extend the site boundaries. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's boundary. As set forth in an Emissions Report prepared by Harjeet Singh, Radio Frequency Engineer, annexed hereto as Exhibit B, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes and MPE limits established by the Federal Communications Commission. For all the foregoing

### Page 2

reasons, addition of AT&T Wireless' facility to the Tower constitutes an exempt modification which will not have a substantially adverse environmental effect.

# Conclusion

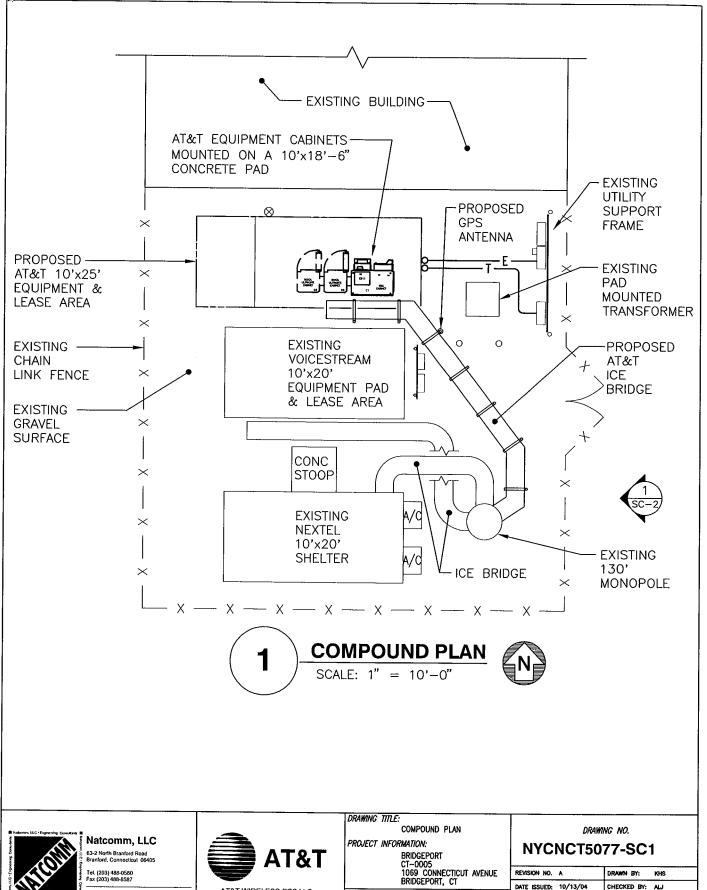
Accordingly, AT&T Wireless requests that the Connecticut Siting Council acknowledge that its proposed modification to the Connecticut Avenue Facility meets the Council's exemption criteria.

Respectfully Submitted,

Christopher B. Fisher, Esq. On behalf of AT&T Wireless

cc:

John Fabrizi, Mayor, City of Bridgeport Melanie J. Howlett, Esq. Neil Alexander, Esq. Tim Parks, CSOFB





Tel. (203) 488-0580 Fax (203) 488-8587

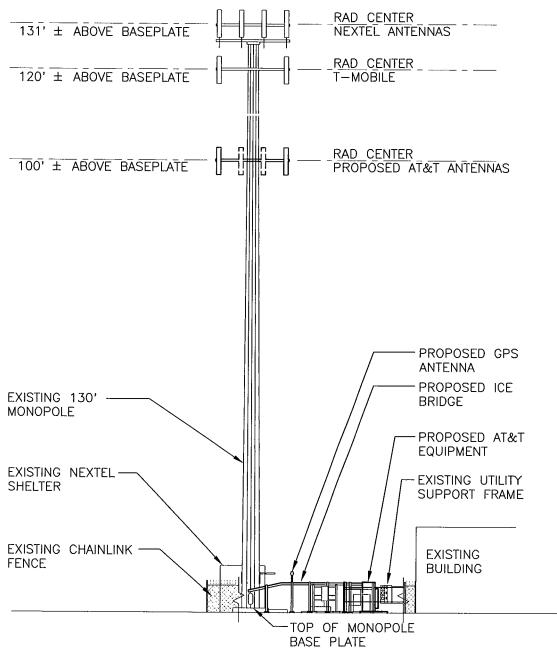


AT&T WIRELESS PCS LLC 12 OMEGA DRIVE STAMFORD, CONNECTICUT 06907

LESSOR:

SPECTRASITE COMMUNICATIONS REGENCY FOREST DRIVE CARY, NC 27511

| REVISION NO. | A        |      | DRAWN BY:    | кнѕ  |
|--------------|----------|------|--------------|------|
| DATE ISSUED: | 10/13/04 |      | CHECKED BY:  | ALJ  |
| SCALE:       | AS NOTED |      | APPROVED BY: | CFC  |
|              |          |      | SHEET NO. 1  | 0F 3 |
| A/E PROJECT  | NO:      | CT~C | 77           |      |





# **TOWER ELEVATION**

SCALE: 1" = 20'-0"





AT&T WIRELESS PCS LLC
12 OMEGA DRIVE
STAMFORD, CONNECTICUT 06907

DRAWING TITLE:
TOWER ELEVATION
PROJECT INFORMATION:

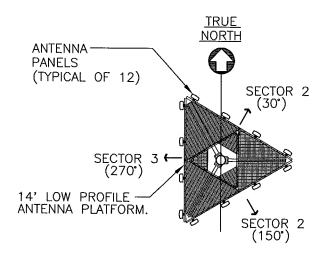
BRIDGEPORT CT-0005 1069 CONNECTICUT AVENUE BRIDGEPORT, CT

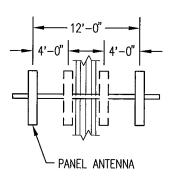
LESSOR:

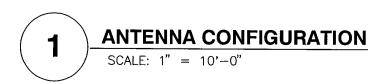
SPECTRASITE COMMUNICATIONS REGENCY FOREST DRIVE CARY, NC 27511 DRAWING NO.

# NYCNCT5077-SC2

| REVISION NO | . A        | DRAWN BY: KHS    |
|-------------|------------|------------------|
| DATE ISSUED | : 10/13/04 | CHECKED BY: ALJ  |
| SCALE:      | AS NOTED   | APPROVED BY: CFC |
|             |            | SHEET NO. 2 OF 3 |











AT&T WIRELESS PCS LLC
12 OMEGA DRIVE
STAMFORD, CONNECTICUT 06907

DRAWING TITLE:
ANTENNA CONFIGURATION
PROJECT INFORMATION:

BRIDGEPORT CT-0005 1069 CONNECTICUT AVENUE BRIDGEPORT, CT

LESSOR:

SPECTRASITE COMMUNICATIONS REGENCY FOREST DRIVE CARY, NC 27511

| DRAWING | NO. |
|---------|-----|
|         |     |

# NYCNCT5077-SC3

| REVISION NO. A        | DRAWN BY: KHS    |
|-----------------------|------------------|
| DATE ISSUED: 10/13/04 | CHECKED BY: ALJ  |
| SCALE: AS NOTED       | APPROVED BY: CFC |
|                       | SHEET NO. 3 OF 3 |
| A/E PROJECT NO: C'    | T-077            |



| Level 1 Structural Evaluation <sup>1</sup> |                                       |                                  |  |  |  |
|--|---------------------------------------|----------------------------------|--|--|--|
| Site Number & Name                         | CT-0005 Bridgeport                    |                                  |  |  |  |
| Site Address                               | 1069 Connecticut Avenue               |                                  |  |  |  |
|  | Bridgeport, CT 06607                  |                                  |  |  |  |
| Tower Description                          | 130 ft Engineered Endeavors Monopole  |                                  |  |  |  |
| Standards & Codes <sup>2</sup>             | ANSI/TIA/EIA-222-F (1996)             | 1996 BOCA National Building Code |  |  |  |
|  | 85 mph (Fairfield County) w/0" radial | 85 mph w/0" radial ice           |  |  |  |
|  | ice                                   | 40 mph w/ ¾" radial ice          |  |  |  |

|             | Table 1: Existing and Proposed Antenna Configuration                |               |              |                      |                         |  |
|-------------|---|---------------|--------------|----------------------|-------------------------|--|
| HEIGHT (ft) | ANTENNA MODEL &<br>MOUNT TYPE                                       | CARRIER       | COAX<br>SIZE | [I]/[O] <sup>a</sup> | STATUS                  |  |
| 131         | (12) Decibel DB844H90E-<br>XY<br>on Platform w/Handrails            | Nextel        | (12) 1-1/4"  | I                    | Existing                |  |
| 120         | (6) EMS RR90-17-02DP<br>on Low Profile Platform                     | T-Mobile      | (12) 1-5/8"  | I                    | Remove Existing         |  |
| 120         | (9) EMS DR85-17-<br>02DPL2Q<br>on Low Profile Platform              | T-Mobile      | (18) 1-5/8"  | I                    | Proposed<br>Replacement |  |
| 100         | (6) Allgon 7391.00<br>(6) Allgon 7740.00<br>on Low Profile Platform | AT&T WIRELESS | (24) 7/8"    | Ip                   | Proposed                |  |

a [I]/[O] denotes coax installed inside or outside the monopole, respectively.

The subject tower and foundation are adequate to support the above stated loads in conformance with specified requirements.<sup>3</sup>

Analysis prepared by:

Bryan Lanier, E.I. **Project Engineer** (919) 466-5777

Jason Seaverson, P.E. Senior Design Engineer

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Connecticut.

b Use existing hand holes at base, 100' & 105' to install proposed coax inside of monopole.

<sup>&</sup>lt;sup>1</sup> The existing and proposed loads of *Table 1* are compared to the original tower design loads or previous analysis.

<sup>&</sup>lt;sup>2</sup> The design wind criteria are compared to the current code requirements.

<sup>&</sup>lt;sup>3</sup> The tower should be re-evaluated as future loads are added or if actual loads are found different from those mentioned in Table 1.



# RF Exposure Analysis for Proposed AWS Antenna Facility

CT-077-A

October 12, 2004

Prepared by Bechtel Telecommunication. Harjeet Singh - RF Engineer

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#### 1. Introduction

This report constitutes an RF exposure analysis for the proposed AT&T Wireless antenna facility to be located at 1069 Connecticut Ave, Bridgeport CT. This analysis uses site-specific engineering data to determine the predicted levels of radio frequency (RF) electromagnetic energy in the vicinity of the proposed facility and compares those levels with the Maximum Permissible Exposure (MPE) limits established by the Federal Communications Commission.

#### 2. Site Data

| Site Name:                                  | Spectrasite Monopole                                  |
|---|---|
| Number of simultaneously operating channels | 4   |
| Type of antenna                             | Allgon 7740<br>Allgon 7391                            |
| Power per channel (Watts EIRP)              | 250.0 Watts ERP: 1900 MHz<br>250.0 Watts ERP: 850 MHz |
| Height of antenna (feet AGL)                | 100 feet  |
| Antenna Aperture Length                     | 52 inch<br>53 inch                                    |

### 3. RF Exposure Prediction

The following equations established by the FCC, in conjunction with the site data, were used to determine the levels of RF electromagnetic energy present in the vicinity of the proposed facility<sup>1</sup>:

$$PowerDensity = \frac{0.64 * N * EIRP(\theta)}{\pi * R^2} (mw/cm^2)$$
 Eq. 1-Far-field

Where, N= Number of channels, R= distance in cm from the RC (Emission Center) of antenna, and  $EIRP(\theta)=$  The isotropic power expressed in milliwatts in the direction of prediction point.

$$PowerDensity = \frac{P_{in} / ch * N * 10^{3}}{2 * \pi * R * h * \alpha / 360} (mw/cm^{2})$$
 Eq. 2-Near-field

Where  $P_{in}/ch$  = Input power to antenna terminals in watts/ch, R = distance to center of emission, h = aperture height in meters,  $\alpha$  = 3 dB band-width of horizontal pattern.

<sup>&</sup>lt;sup>1</sup> RF exposure is measured and predicted in terms of power density in units of milliwatts (mW), a thousandth of a watt, or microwatts ( $\mu$ W), a millionth of a watt, per square centimeter (cm<sup>2)</sup>. Data comparing predictive analysis with on site measurements has demonstrated that power density can be effectively predicted at given locations in the vicinity of a wireless antenna facility.

, ·

# 4. FCC Guidelines for Evaluating the Environmental Effects of RF Radiation

In 1985, the FCC established rules to regulate radio frequency (RF) exposure from FCC licensed antenna facilities. In 1996, the FCC updated these rules, which were further amended in August 1997 by a Second Memorandum Opinion and Order. These new rules represent a consensus of the federal agencies responsible for the protection of public health and the environment, including the Environmental Protection Agency (EPA), the Food and Drug Administration (FDA), the National Institute for Occupational Health and Safety (NIOSH), and the Occupational Safety and Health Administration (OSHA).

Under the laws that govern the delivery of wireless communications services in the United States, as amended by the Telecommunications Act of 1996, the FCC has exclusive jurisdiction over RF emissions from personal wireless antenna facilities, which include cellular, PCS, messaging and aviation sites. <sup>2</sup> Pursuant to its authority under federal law, the FCC has established rules to regulate the safety of emissions from these facilities.

### 5. Comparison with Standards

Exhibit A and B show the levels of RF electromagnetic energy as one move away from the antenna facility. As shown in Exhibit A, the maximum power density is  $0.46 \,\mu$  W/cm² for 1900 MHz which occurs at 90 feet from the antenna facility. Similarly, Exhibit B shows the maximum power density is  $0.94 \,\mu$  W/cm² for 850 MHz that occurs at 21 feet from the antenna facility. These values were calculated by taking into account the existing system of all the wireless carriers and proposed system of AT&T Wireless operating on the monopole.

Table 1 below shows the Maximum Permissible Exposure (MPE) limits established by the FCC. There are different MPE limits for public/uncontrolled and occupational/controlled environments.

FrequencyPublic/UncontrolledOccupational/controlledMaximum power density at Accessible locationPCS $1000 \mu \text{ W/cm}^2$  $5,000 \mu \text{ W/cm}^2$  $0.46 \mu \text{ W/cm}^2$ Cellular $580 \mu \text{ W/cm}^2$  $2,900 \mu \text{ W/cm}^2$  $0.94 \mu \text{ W/cm}^2$ 

Table 1: Maximum Permissible Exposure limits for RF radiation

The maximum power density at the proposed facility represents only 0.05% for 1900 MHz and 0.17% for 850MHz of the public MPE limit. The cumulative maximum power density at the proposed facility represents only 0.22% of the public MPE limit.

Following carriers were taken into consideration in performing the calculations:

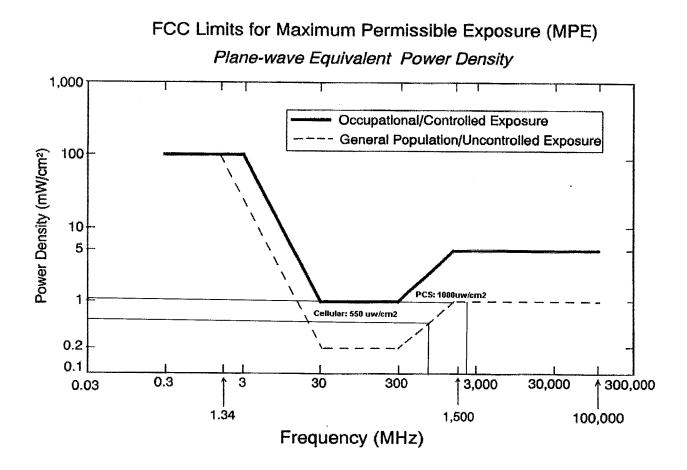
1900 MHz PCS: AT&T & T-Mobile 850 MHz Cellular: AT&T & Nextel

<sup>&</sup>lt;sup>2</sup> 47 U.S. C. Section 332 (c) (7)(B)(iv) states that "[n]o State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that such facilities comply with the Commission's regulations concerning such emissions."

### 6. Conclusion

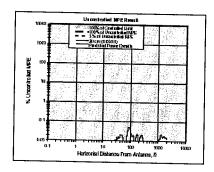
The analysis was performed using the worst case scenario (i.e. comparable antennas, frequencies, total operating channels and the transmit power per channel etc.) for all the carriers operating at the location. This analysis show that the cumulative maximum power density in accessible areas at this location is  $1.40~\mu$  W/cm² or 0.22% a level of RF energy that is well below the Maximum Permissible Exposure limit established by the FCC.

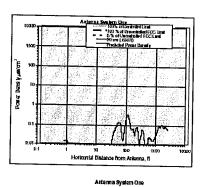
# 7. FCC Limits for Maximum Permissible Exposure

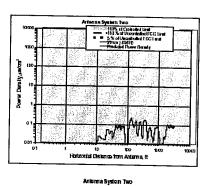


# 8. Exhibit A: 1900 MHz PCS

CT-077-A / Exhibit A: 1900 MHz PCS







Humber of Antoma Systems: 2 Meals FCC Controlled Limits for The Antomas Bystems.

Blook PCC Uncontrolled Limits for The Antenna Systems.

Nee's 5% of PCC Uncontrolled Limits for The Antonias Systems.

No Further Maximum Permissible Exposure (MPE) Analysis Required.

|   |             | a Dansily     | Children Dis |
|---|-------------|---------------|--------------|
|   | 1944/443    | % of ball     | feat         |
| Maximum Power Density =                 | 0.46        | 8.06          | 90.00        |
| 2,195.88 times touts from the APE limit | OF UNICODED | Selection and | 70.10        |
| Composite Power (ERP) -                 | 200000      | Walk          |              |

Site ID: CT-677-A Site Name: Now Capacity Bite Location: IGEO Connectical Ay.

Performed By: darjeet Single
Date: (QTD94)

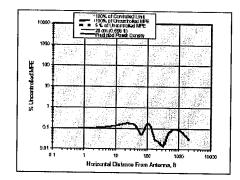
|                       | unk     | Value          |
|-----------------------|---------|----------------|
| Figure 3              | YAR     | 1955           |
| #of Charmats          | . #     |                |
| Max ERDYCH            | Wels    | 250            |
| _ fax PenChido Art    | Wals    | 9.957679264    |
| Denter of Reclaring   | feet    | 100            |
| Calculation Part      | 152     | 6              |
| jatove pround ar      |         | 0              |
| turi serface          |         | 8              |
| citizentelionidi.     |         | Algori 77407.6 |
| Max Ant Cain          | d≣al    | 14             |
| Down in               | degross | - 8            |
| Miscellanussis Alt    | dB      | 0              |
| Halofit of aperture   | fied    | 4.33           |
| Ani HeW               | decress | 80             |
| Distance to Articular | feet    | 21.836         |
| W097                  | Y:N7    | - 71           |

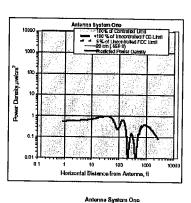
Ant System ONE Owner: ATAT Bester: A4 B & C Aximalit: 30/1902/10

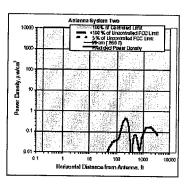
|                        | uris         | Yate        |
|------------------------|--------------|-------------|
| Frequency              | 8.4-12       | 1945        |
| #of Charnels           |              | 4           |
| Max ERPACH             | <b>Yhith</b> | 250         |
| Max Perion Into Ant    | alish        | 9.076061260 |
| Certific of Radiator's | final        | 120         |
| Calculation Point      | (Gef         | - 6         |
| (stave ground or       |              | В           |
| DOS SURFACES           |              | Ü           |
| Artismos Model No.     |              | \$699617n2  |
| Max Ant Cale           | diad         | 14.4        |
| DOM: III               | Closusor     | 0           |
| FA scoolan sessas Alt  | Œ.           | 8           |
| Height of specture     | lost         | 466         |
| Anti-Bar               | CASTRES      | 90          |
| Distance to Ambotion   | fina!        | 131.67      |
| W0297                  | YAZ          | 13          |

Ant System TWO Denter: T Mebbs Sector: AABRC Azimuth 30/190270

# 9. Exhibit B: 850 MHz Cellular







Number of Antenna Systems: 2 Mosts FCC Controlled Limits for The Antennae Systems.

Moots FCC Uncontrolled Limits for The Antenna Systems.

Moets 5% of FGC Uncontrolled Limits for The Antenna Systems.

No Further Maximum Permissible Espasare (MPE) Analysis Required.

|   | Power Consity |                | @Horiz, Dist     |  |
|---|---------------|----------------|------------------|--|
|   | ghWam²        | % of limit     | faci             |  |
| htsximum Pawer Dansky =                 | 0.94          | 0.17           | 21.00            |  |
| 604.71 fimas lower than the MPE limit I | or uncontroll | od anvironment | 1 21.00          |  |
| Composite Power (ERP) =                 | 2,000.00      | Walls          |                  |  |
| Site ID: CT-077-A                       |               | Performed B    | y: larjaot Singl |  |

Site ID: CT-077-A
Site Name: How Capacity
Site Location: 1009 Connecticut Ave.

rformed By: -larjaot Single Date: 10/12/04

|   |                  | urits   | Value         |  |
|---|------------------|---------|---------------|--|
|   | Frequency        | MHz     | 280           |  |
|   | # of Channels    | .*      | 4             |  |
|   | Max ERPACH       | Watts   | 250           |  |
| Mag                                     | Pwi/Ch Into Ant. | Watts   | 18,95443338   |  |
|   | (Conter of       | fact    | 100           |  |
|   | Point            | feet    | 6             |  |
|   | cr               |         | 0             |  |
|   | roof surface)    |         | 0             |  |
|   | No               |         | Algon 7391.00 |  |
|   | Max Ant Gain     | dist    | 11.2          |  |
|   | Down till        | degrees | 0             |  |
| Miscelanorus Alt.<br>Height of aperture |                  | dB      | 0             |  |
|   |                  | foot    | 4.4           |  |
|   | Art HBY/         | degrees | 90            |  |
| Distance to Anti-                       |                  | falat   | 91.5          |  |
|   | WOS7             | Y/N?    | n             |  |
|   |                  |         |               |  |

Ant System DNE Owner: AT&T Sector: A & B & C Azimuth: 30/150/270

| Antenna System Two |                             |         |             |  |
|--------------------|-----------------------------|---------|-------------|--|
|                    |                             | units   | Value       |  |
|                    | Frequency                   | МHz     | 200         |  |
| Мак Р              | # of Channals               | *       | 4           |  |
|                    | Max ERPICH                  | Watts   | 250         |  |
|                    | wnCh linto Ant.             | Watts   | 16.77333361 |  |
|                    | (Center of                  | foot    | 131         |  |
|                    | Point                       | foot    | ß           |  |
|                    | ground or                   |         | 0           |  |
|                    | u.iface)                    |         | .0          |  |
|                    | Model No.                   |         | DB844H90-XY |  |
|                    | Max Ant Gain                | dBd     | 12          |  |
|                    | Down tilt.                  | decrees | 0           |  |
| Miscellaneous Att. |                             | dΩ      | 0           |  |
| Height of aperture |                             | feet    | 4           |  |
|                    | WEH INA                     | degrees | 90          |  |
| Dista              | nce to Ant <sub>leter</sub> | foot    | 123         |  |
| 1                  | WOS7                        | Y/N?    | -           |  |

Ant System TWO Owner: Naxtel Sector: A & B & C Azimuth 0/120/240

### 10. For Further Information

Additional information about the environmental impact of RF energy from personal wireless antenna facilities can be obtained from the Federal Communications Commission:

Dr. Robert Cleveland Federal Communications Commission 20

Office of Engineering and Technology Washington, DC 20554

RF Safety Program: 202-418-2464 Internet address: rfsafety@fcc.gov

RF Safety Web Site: www.fcc.gov/oet/rfsafety

### 11. References

- [1] The Communications Act of 1934, as amended by the Telecommunications Act of 1996, 47 U.S.C. Section 332 (c)(7)(B)(iv).
- [2] Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation, Notice of Proposed Rulemaking, ET Docket 93-62, 8 FCC Rcd 2849 (1993).
- [3] Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation, Report and Order, ET Docket 93-62, FCC 96-326, adopted August 1, 1996. 61 Federal Register 41006 (1996).
- [4] Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation, Second Memorandum Opinion and Order, ET Docket 93-62, adopted August 25, 1997.
- [5] Evaluating Compliance with FCC Guidelines for Human Exposure to Radio frequency Electromagnetic Fields, OET Bulletin 65, August, 1997.