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
Web Site: www.state.ct.us/csc/index.htm

March 28, 2002

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

RE: **TS-AT&T-040-020228** - AT&T Wireless notice of intent to modify an existing telecommunications facility located at 60 South Main Street, East Granby, Connecticut.

Dear Attorney Fisher:

At a public meeting held March 21, 2002, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures. 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 may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request or notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point 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.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated February 27, 2002.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/RKE/laf

c: Honorable David K. Kilbon, First Selectman, Town of East Granby
Richard A. Nelson, Zoning Enforcement Officer, Town of East Granby
Julie M. Donaldson, Esq., Hurwitz & Sagarin LLC
Stephen J. Humes, Esq., LeBoeuf, Lamb, Greene & MacRae

CUDDY & FEDER & WORBY LLP

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WHITE PLAINS, NEW YORK 10601-5196

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Of Counsel
MICHAEL R. EDELMAN
ANDREW A. GLICKSON (also CT)
ROBERT L. OSAR (also TX)
MARYANN M. PALERMO
ROBERT C. SCHNEIDER
LOUIS R. TAFFERA

February 27, 2002

VIA FEDERAL EXPRESS
Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless Notice of Exempt Modification
175 Dickson Road, Glastonbury, Connecticut
23 Holland Road, Union, Connecticut
954 Norwich Road, Plainfield, Connecticut
60 South Main Street, East Granby, Connecticut

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

On behalf of AT&T Wireless, we respectfully enclose an original and twenty copies of its notice of exempt modification with respect to the above mentioned facilities, together with a check for $500.00 for each facility, the filing fee. We would appreciate it if these matters were placed on the next available agenda for acknowledgment by the Council. Should the Council or staff have any questions regarding this matter, please do not hesitate to contact us.

Very truly yours,

Linda Grant

cc: Christopher B. Fisher, Esq.

NOTICE OF INTENT TO MODIFY AN EXISTING TELECOMMUNICATIONS FACILITY AT 60 SOUTH MAIN STREET, EAST GRANBY, CONNECTICUT

Pursuant to the Public Utility Environmental Standards Act, Connecticut General Statutes § 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, by and through its agent AT&T Wireless PCS, Inc., ("AT&T Wireless") hereby notifies the Connecticut Siting Council of its intent to modify an existing facility located at 60 South Main Street, East Granby, Connecticut (the "South Main Street Facility"), owned by Sprint Spectrum, LP ("Sprint"). AT&T Wireless and Sprint have agreed to share the use of the South Main Street Facility, as detailed below.

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SITING COUNCIL

The South Main Street Facility

The South Main Street Facility consists of an approximately ninety seven (97) foot monopole (the "Tower") and equipment cabinets currently being used and/or leased for future use for wireless communications by Sprint and VoiceStream. A chain link fence surrounds the Tower compound. The current adjacent land uses are predominantly industrial.

AT&T Wireless' Facility

As shown on the enclosed plans prepared by Tectonic Engineering, including a site plan and tower elevation of the South Main Street Facility, AT&T Wireless proposes shared use of the Facility by placing antennas on the Tower and equipment cabinets needed to provide personal communications services ("PCS") within the existing fenced compound. AT&T Wireless will install panel antennas at approximately the 77 foot level of the Tower and associated equipment cabinets on a concrete pad. As evidenced in the letter of structural integrity prepared by Tectonic Engineering, annexed hereto as Exhibit A, AT&T has confirmed that the tower is structurally capable of supporting the addition of AT&T Wireless' antennas.

AT&T Wireless' Facility Constitutes An Exempt Modification

The proposed addition of AT&T Wireless' antennas and equipment to the South Main Street 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 Tarik Ouazzani, 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 reasons, addition of AT&T Wireless' facility to the Tower constitutes an exempt modification which will not have a substantially adverse environmental effect.

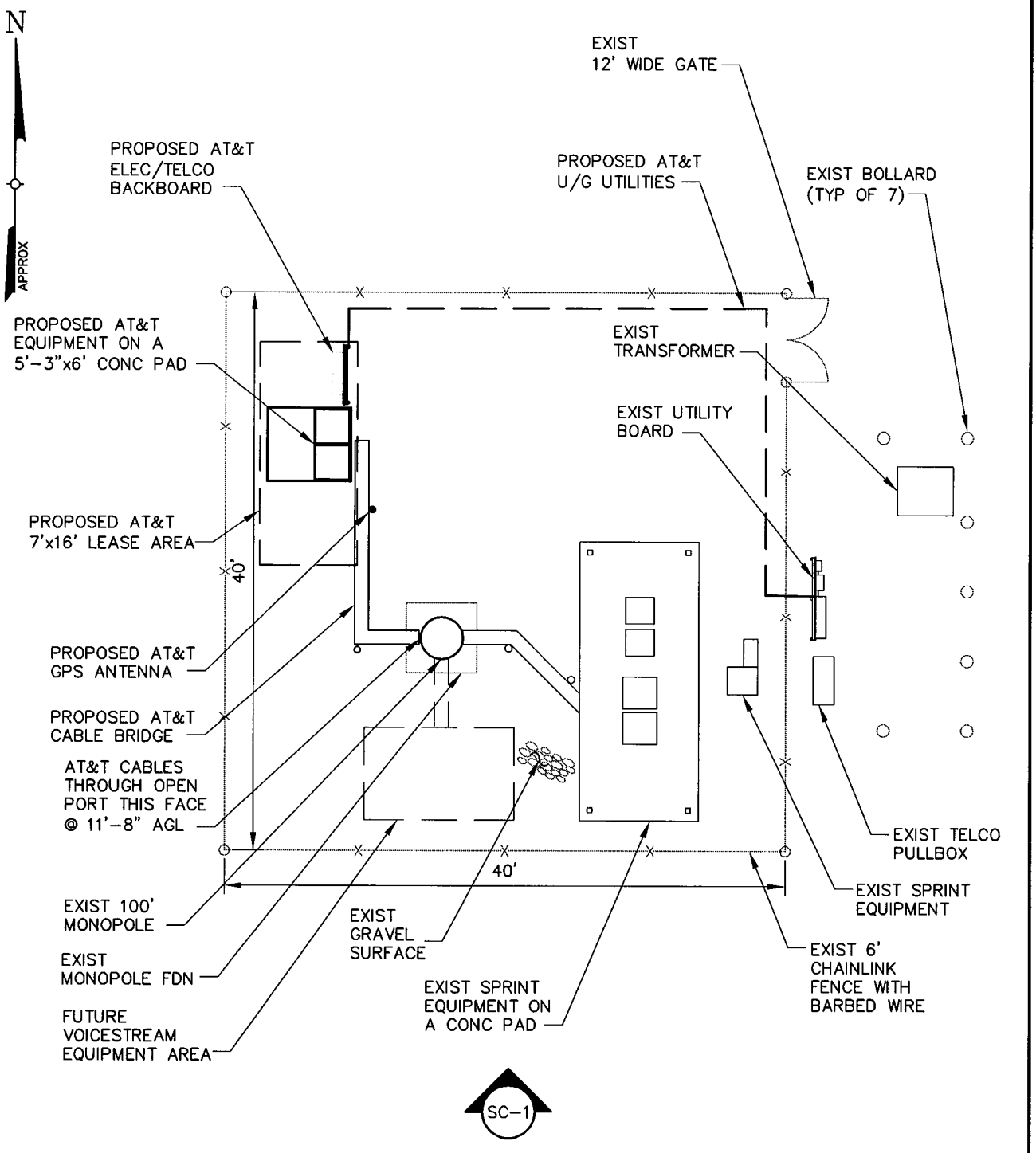
Conclusion

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

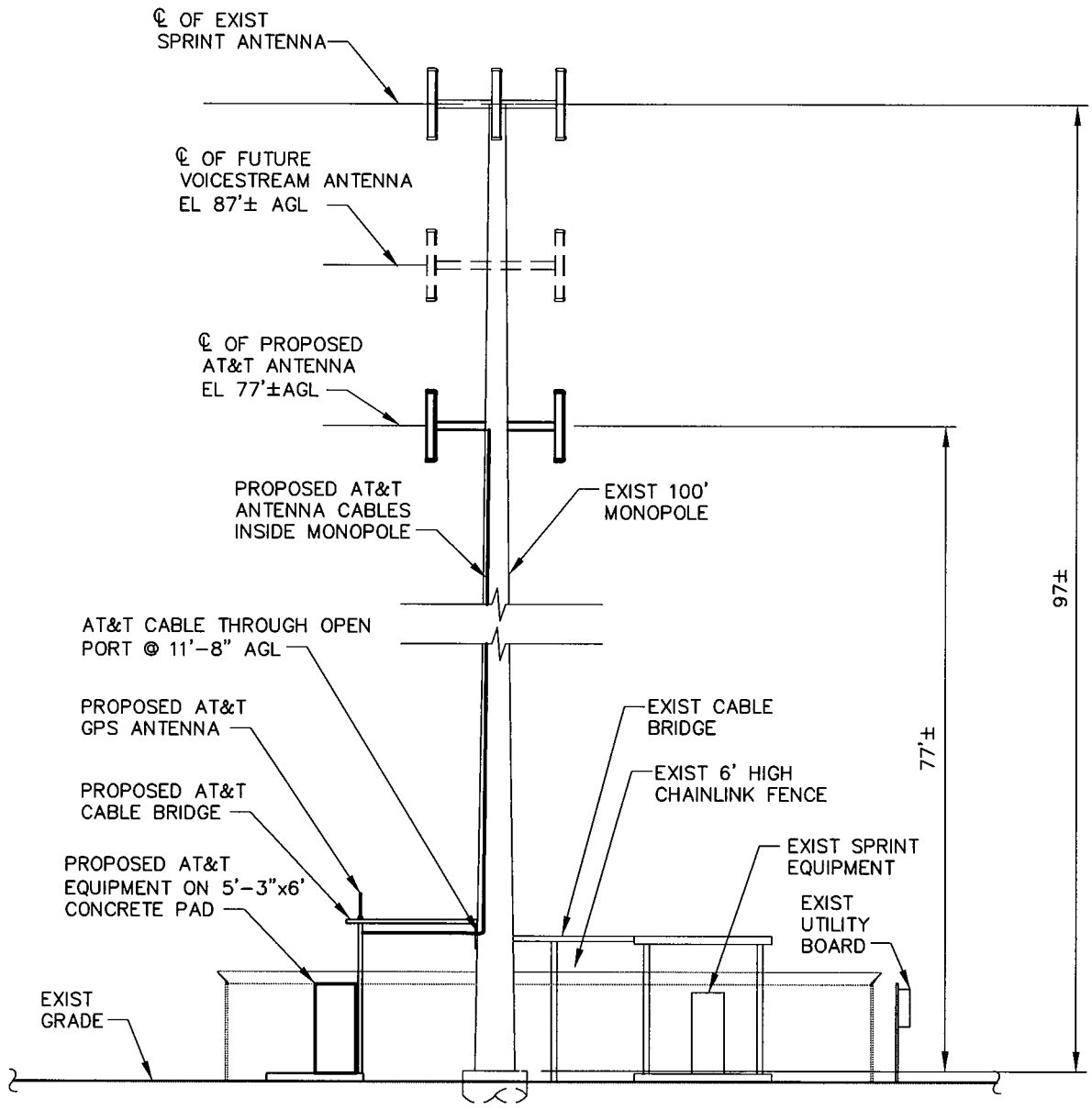
Respectfully Submitted,

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

cc: First Selectman, Town of East Granby
Harold Hewett, Bechtel



TECTONIC/KEYES ASSOCIATES	AT&T AT&T WIRELESS SERVICES, INC. 12 Omega Drive Second Floor Stamford, CT 06902	DRAWING TITLE: SITE DETAIL PLAN PROJECT INFORMATION: EAST GRANBY CT-359 60 SOUTH MAIN STREET EAST GRANBY, CT 06026 PROPERTY OWNER: GLASSO PROPERTY 60 SOUTH MAIN STREET EAST GRANBY, CT 06026	DRAWING NO. **SC-1** REVISION NO. A | DRAWN BY: RPM DATE: 2/12/02 | CHECKED BY: MC SCALE: 1"=20' | APPROVED BY: JDF ISSUED FOR COMMENT | SHEET NO. 1 of 2 WORK ORDER #: 2650.CT359



NOTE: FUTURE VOICESTREAM EQUIPMENT AREA NOT SHOWN FOR CLARITY

TECTONIC/KEYES ASSOCIATES
1344 SILAS DEANE HIGHWAY, SUITE 306
ROCKY HILL, CT 06067-1348
OFFICE: (860)563-2341
FAX: (860)257-2662

AT&T

AT&T WIRELESS PCS, LLC.
12 Omega Drive, Second Floor
Stamford, CT 06902

DRAWING TITLE:
ELEVATION

PROJECT INFORMATION:
EAST GRANBY
CT-359
60 SOUTH MAIN STREET
EAST GRANBY, CT 06026

PROPERTY OWNER:
GLASSO PROPERTY
60 SOUTH MAIN STREET
EAST GRANBY, CT 06026

DRAWING NO.
SC-2

REVISION NO. A	DRAWN BY: RPM
DATE: 2/12/02	CHECKED BY: MC
SCALE: 1" = 10'	APPROVED BY: JDF
ISSUED FOR COMMENT	SHEET NO. 2 of 2
WORK ORDER #: 2650.CT359	

TECTONIC / KEYES ASSOCIATES
Division of TECTONIC Engineering Consultants P.C.

CORPORATE OFFICE:
Mountainville, NY (800)-829-6531

1344 Silas Deane Highway, Suite 500
Rocky Hill, Connecticut 06067

(860) 563-2341 Fax: (860) 257-4882
www.tectonicengineering.com

Mr. Donald Huntley
Bechtel Telecommunications
210 Pomeroy Avenue, Suite 201
Meriden, CT 06450

February 14, 2002

RE: W.O. 2650. CT359
EAST GRANBY
EXISTING MONOPOLE
60 SOUTH MAIN STREET
EAST GRANBY, CT
STRUCTURAL CAPACITY

Dear Mr. Huntley:

It is our understanding that AT&T Wireless is proposing to install antennas on the existing 100' monopole at the above referenced site. Tectonic/Keyes Associates has performed a limited inspection of the structure and a review of its design for its suitability to support the proposed antennas based on the following information:

- Structure & Foundation Design Calculations prepared by Engineered Endeavors Incorporated, dated 9/22/00. Job # 7832-E01. Stamped by Professional Engineer Michael R. Morel.
- Tower Loading Form prepared by Ray Santhouse of Sprint PCS, dated 2/21/01
- As-built Plan, Dwg No. AB-1, prepared by Vanasse Hangen Brustlin, Inc., dated 4/4/01. Stamped by Professional Land Surveyor Robert L. Saunders.

The original design was based on ANSI/EIA-222-F using a basic wind speed of 85 mph with ½" of ice. The structure was designed to support the following items:

12 Dapa 48000 antennas & low profile platform at the 97.5' level
12 Dapa 48000 antennas & low profile platform at the 87.5' level
12 Dapa 48000 antennas & low profile platform at the 77.5' level

The existing antenna inventory was supplied by Sprint PCS on the above referenced Tower Loading Form. The existing antenna inventory consists of the following items:

9 DB980H90 antennas at 97' level
6 EMS RR90-17-02DP antennas at 87' level
All coaxial cable is contained within the monopole structure

We understand that AT&T Wireless is proposing to install a total of 6 Allgon 7250 antennas at the 77' level. Additionally, we understand that the AT&T antennas will be mounted on a platform similar to the frames designed for the tower.

In accordance with the provisions of ANSI/TIA/EIA-222-F-1996, "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures" and the 1999 Connecticut Supplement to the BOCA National Building Code/1996, a basic wind speed of 80 mph applies to Hartford County, CT, where the tower is located. We note that the wind speed used in the original design exceeds both of these requirements.

We have not inspected the structure in detail, and therefore assume that the tower and its foundation were built in accordance with the manufacturer's drawings and specifications, and that the structure is in the "like-new" condition.

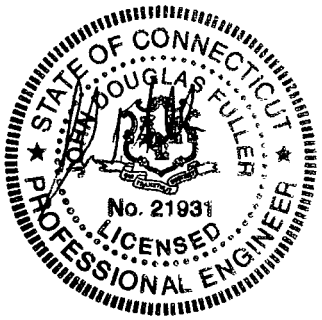
We have not preformed a detailed structural analysis of the tower, but have compared forces generated from the antennas and mounts of the original design to those generated by the proposed condition. Based on our extensive experience with similar structures and a comparison with the original tower design, it is clear that the tower and its foundation have adequate capacity to support this installation in accordance with current applicable codes.

Please contact this office if you require any further information.

Sincerely,
TECTONIC ENGINEERING CONSULTANTS, P.C.

John D. Fuller, P.E.
Telecommunications Manager

Cc: File



RF Exposure Analysis for Proposed AT&T Wireless Antenna Facility

Site ID: 907-007-359

February 11, 2002

Prepared by AT&T Wireless Services, Inc.
Tarik Ouazzani RF Engineer

Table of Contents

1. Introduction

This report constitutes an RF exposure analysis for the proposed AT&T Wireless antenna facility to be located at *60 South Main Street, E Granby, CT 06016.* 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: ***East Granby***	
Number of simultaneously operating channels	16
Type of antenna	Allgon 7250.02
Power per channel (Watts ERP)	250 Watts
Height of antenna (feet AGL)	77 feet
Antenna Aperture Length	5.11 feet

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[1]:

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

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

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

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

[1] RF exposure is measured and predicted in terms of power density in units of milliwatts (mW), a thousandth of a watt, or microwatts (μ W), a millionth of a watt, per square centimeter (cm^2). 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. [2] 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 shows the levels of RF electromagnetic energy as one moves away from the antenna facility. As shown in Exhibit A, the maximum power density is 2.90 μ W/cm^2 which occurs at 250 feet from the antenna facility. The chart in exhibit A also shows that the power density is only 0.11 μ W/cm^2 at a distance of 4 feet. 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.

Table 1: Maximum Permissible Exposure limits for RF radiation

Frequency	*Public/Uncontrolled*	*Occupational/controlled*	*Maximum power density at Accessible location*
Cellular	580 μ W/cm^2	2,900 μ W/cm^2	2.90 μ W/cm^2
PCS	1000 μ W/cm^2	5,000 μ W/cm^2	

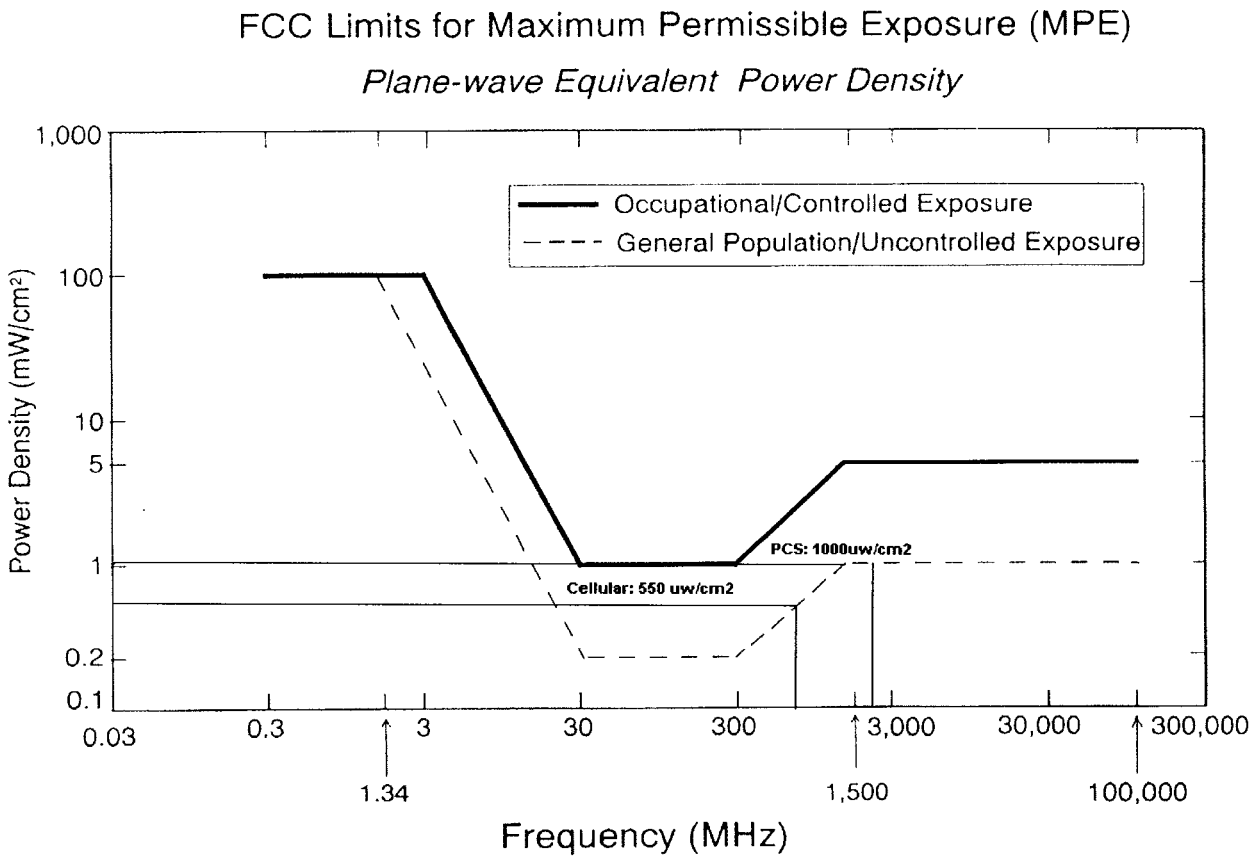
The maximum power density at the proposed facility represents only 0.29%of the public MPE limit.

6. Conclusion

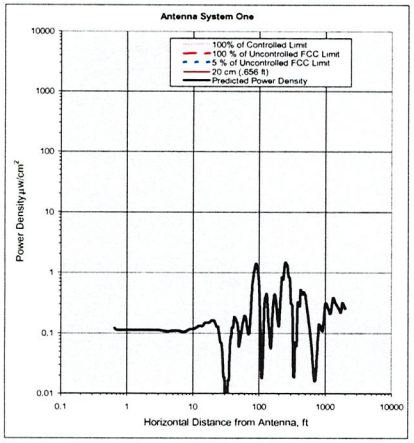
This analysis show that the maximum power density in accessible areas at this location is 2.90 μ W/cm^2, a level of RF energy that is well below the Maximum Permissible Exposure limit established by the FCC.

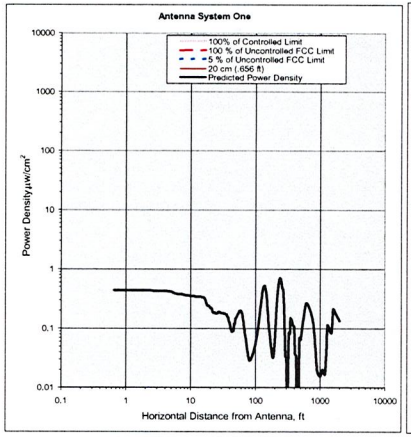
[2] 47 U.S. C. Section 332 (c) (7)(B)(iv) states that "[n]o State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that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

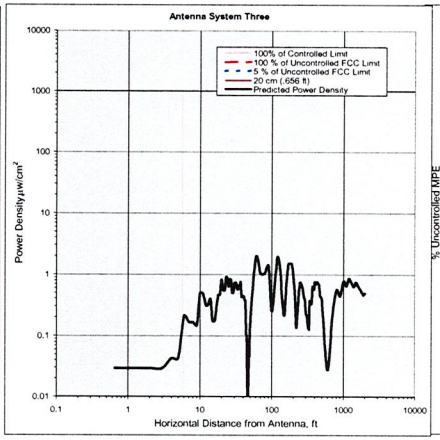
7. FCC Limits for Maximum Permissible Exposure

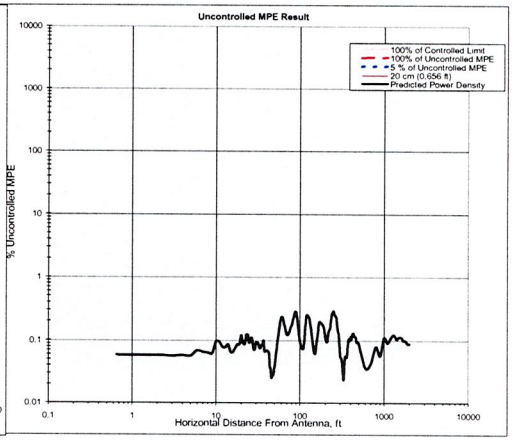


8. Exhibit A









Antenna System One

	units	Value
Frequency	MHz	1945
# of Channels	#	16
Max ERP/Ch	Watts	250
Max Pwr/Ch Into Ant.	Watts	5.597
BS Height (Center of Radiator)	feet	77
Calculation Point (above ground or roof surface)	feet	0
Antenna Model No.		Allgon 7250.02
Max Ant Gain	dBd	16.5
Down tilt	degrees	0
Miscellaneous Att.	dB	0
Height of aperture	feet	5.11
Ant HBW	degrees	65
Distance to Ant_{bottom}	feet	74.445
WOS?	Y/N?	n

Ant System ONE Owner: AT&T
Sector: 3
Azimuth: 0/120/240

Antenna System Two

	units	Value
Frequency	MHz	1900
# of Channels	#	20
Max ERP/Ch	Watts	250
Max Pwr/Ch Into Ant.	Watts	7.726
BS Height (Center of Radiator)	feet	97
Calculation Point (above ground or roof surface)	feet	0
Antenna Model No.		DB980G90
Max Ant Gain	dBd	15.1
Down tilt	degrees	0
Miscellaneous Att.	dB	0
Height of aperture	feet	6
Ant HBW	degrees	90
Distance to Ant_{bottom}	feet	94
WOS?	Y/N?	n

Ant System TWO Owner: Sprint
Sector: 3
Azimuth 60/18/310

Number of Antenna Systems: 3

Meets FCC Controlled Limits for The Antennas Systems.

Meets FCC Uncontrolled Limits for The Antenna Systems.

Meets 5% of FCC Uncontrolled Limits for The Antenna Systems.

No Further Maximum Permissible Exposure (MPE) Analysis Required.

	Power Density		@Horiz. Dist.
	$\mu W/cm^2$	% of limit	feet
Maximum Power Density =	2.90	0.29	250.00
344.39 times lower than the MPE limit for uncontrolled environment			
Composite Power (ERP) =	14,500.00	Watts	

Site ID: 907-007-359
Site Name: East Granby
Site Location: 60 South Main St, E Granby, CT, 06016

Performed By: Tarik Ouazzani
Contact Number: 201-755-2154
Date: 2/11/2002

Antenna System Three

	units	Value
Frequency	MHz	1900
# of Channels	#	20
Max ERP/Ch	Watts	275
Max Pwr/Ch Into Ant.	Watts	9.985
BS Height (Center of Radiator)	feet	87
Calculation Point (above ground or roof surface)	feet	0
Antenna Model No.		RR901702
Max Ant Gain	dBd	14.4
Down tilt	degrees	0
Miscellaneous Att.	dB	0
Height of aperture	feet	4.66
Ant HBW	degrees	90
Distance to Ant_{bottom}	feet	84.67
WOS?	Y/N?	n

Ant System Three Owner: Voicetream
Sector: 3
Azimuth 60/180/0300

9. 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
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

10. 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.