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

April 10, 2002

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

RE: **EM-AT&T-027-020322** - AT&T Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 48 Cow Hill Road, Clinton, Connecticut.

Dear Attorney Fisher:

At a public meeting held on April 3, 2002, 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 March 22, 2002. 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 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.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

c: James M. McCusker Jr., Mayor, Town of Clinton
Stephen M. Howard, Nextel Communications, Inc.
Kenneth C. Baldwin, Esq., Robinson & Cole LLC
Peter W. van Wilgen, SNET Mobility, LLC
Stephen J. Humes, Esq., LeBoeuf, Lamb, Greene, & MacRae

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

March 27, 2002

Honorable James M. Mccusker, Jr.
First Selectman
Town of Clinton
54 East Main Street
Clinton, CT 06413

RE: **EM-AT&T-027-020322** - AT&T Wireless notice of intent to modify an existing telecommunications facility located at 48 Cow Hill Road, Clinton, Connecticut.

Dear Mr. Mccusker:

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 April 3, 2002, at 1:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/grg

Enclosure: Notice of Intent

c: Thomas Lane, Zoning Enforcement Officer, Town of Clinton

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NOTICE OF INTENT TO MODIFY AN EXISTING TELECOMMUNICATIONS FACILITY
48 COW HILL ROAD, CLINTON, 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 d/b/a AT&T Wireless ("AT&T Wireless") hereby notifies the Connecticut Siting Council of its intent to modify an existing facility located at 48 Cow Hill Road, Clinton, Connecticut (the "Cow Hill Road Facility") (Docket 148), owned by Crown Castle International ("Crown"). AT&T Wireless and Crown have agreed to share the use of the Cow Hill Road Facility, as detailed below.

The Cow Hill Road Facility

The Cow Hill Road Facility consists of an approximately two hundred twelve (212) foot lattice tower (the "Tower") and associated equipment currently being used for wireless communications by Verizon, Cingular, Sprint, Omnipoint, Nextel and emergency communications by the municipality. Additional carriers proposing to use the Cow Hill Road Facility include AT&T Wireless and Northcoast Communications (Boston PCS).[1] A chain link fence surrounds the Tower compound.

AT&T Wireless' Facility

As shown on the enclosed plans prepared by Natcomm, LLC., including a site plan and tower elevation of the Cow Hill Road 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 6 panel antennas at approximately the 180 foot level of the Tower and associated equipment cabinets (2 proposed, 2 future, each 76"H x 30" W x 30" D) located on the tower foundation within the existing fenced compound. As evidenced in a structural report prepared by All-Points Technology Corporation, PC, 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 Cow Hill Road 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

[1] The structural, tower elevation and MPE report all include antenna information regarding Northcoast's (Boston PCS) proposed shared use of the Cow Hill Road Facility for informational purposes only.

more at the Tower site's boundary. As set forth in an Emissions Report prepared by Frank Wentink, 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.

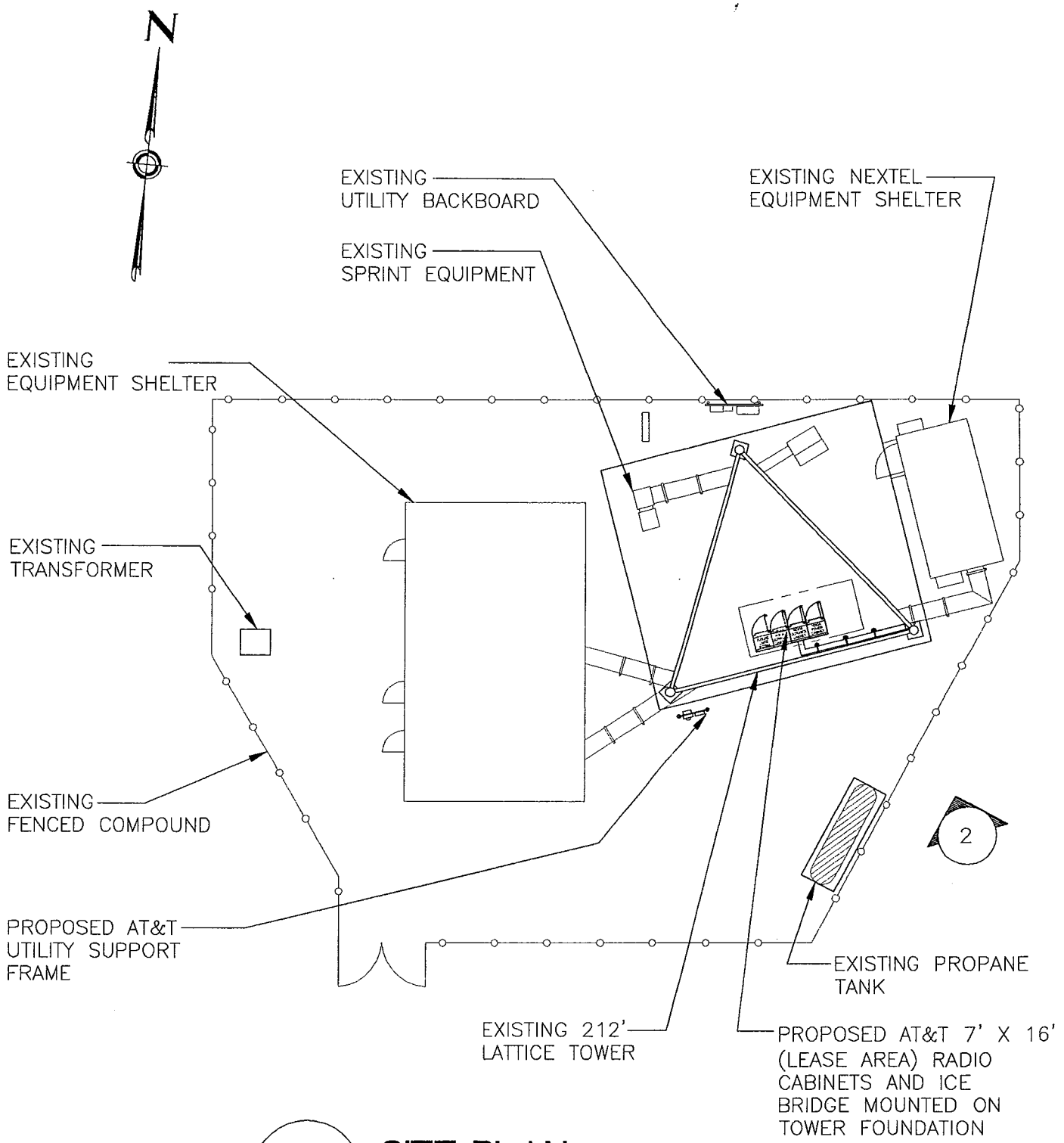
Conclusion

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

Respectfully Submitted,

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

cc: First Selectman, Town of Clinton
Jane Fields, Bechtel
Ken Baldwin, Esq.



1 **SITE PLAN**

SCALE: 1" = 20'

NOTE:
LATITUDE: 41° 17' 19"
LONGITUDE: 72° 32' 21"

"ISSUED FOR SITING COUNCIL"

Natcomm, LLC
63-2 North Branford Road
Branford, Connecticut 06405
Tel. (203) 488-0580
Fax (203) 488-8587
Consulting Engineers • Project Management
Civil • Structural • Mechanical • Electrical

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

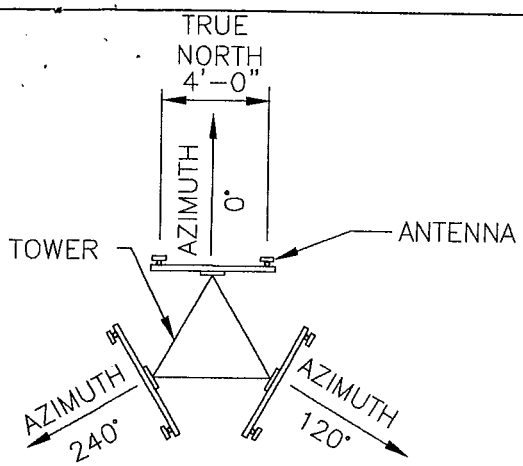
DRAWING TITLE: SITING COUNCIL

PROJECT INFORMATION:
CLINTON CENTRAL
CT-207
48 COW HILL ROAD
CLINTON, CT 06413

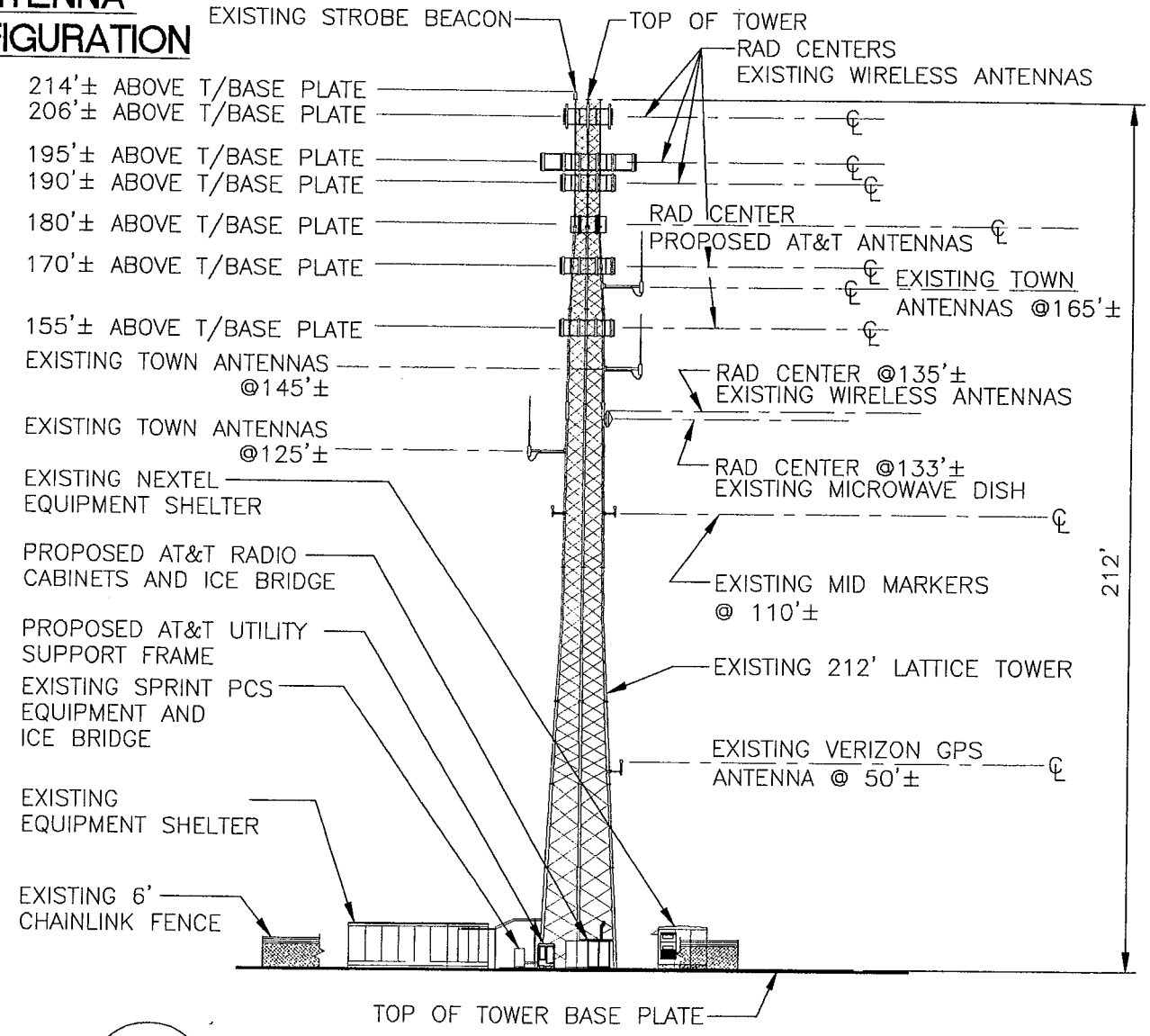
PROPERTY OWNER:
CROWN CASTLE INTERNATIONAL
500 W. CUMMINGS PARK
WOBURN, MA. 01801

DRAWING NO.
3CO-CT207-SC01-0

REVISION NO. 0	DRAWN BY: P.A.M.
DATE ISSUED: 02/12/02	CHECKED BY: JJP
SCALE: AS NOTED	APPROVED BY: CFC
	SHEET NO. 1 OF 2
A/E PROJECT NO: 429A	



ANTENNA CONFIGURATION



2 TOWER ELEVATION

NOT TO SCALE

"ISSUED FOR SITING COUNCIL"

Natcomm, LLC
63-2 North Branford Road
Branford, Connecticut 06405
Tel. (203) 488-0580
Fax (203) 488-8587
Consulting Engineers • Project Management
Civil • Structural • Mechanical • Electrical

AT&T
AT&T WIRELESS PCS LLC
12 OMEGA DRIVE
STAMFORD, CONNECTICUT 05907

DRAWING TITLE: SITING COUNCIL

PROJECT INFORMATION:
CLINTON CENTRAL
CT-207
48 COW HILL ROAD
CLINTON, CT 06413

PROPERTY OWNER:
CROWN CASTLE
INTERNATIONAL
500 W. CUMMINGS PARK
WOBURN, MA. 01801

DRAWING NO.
3CO-CT207-SC02-0

REVISION NO. 0	DRAWN BY: P.A.M.
DATE ISSUED: 02/12/02	CHECKED BY: JJP
SCALE: AS NOTED	APPROVED BY: CFC
	SHEET NO. 2 OF 2
A/E PROJECT NO: 429A	

file 184.448 CT.207 – STRUCTURAL (CROWN)

ALL-POINTS TECHNOLOGY CORPORATION, P.C.

October 9, 2001

Crown Castle Atlantic
500 West Cummings Park
Suite 3400
Woburn, MA 01801

Attn: Lincoln Erhard
Re: AT&T Wireless & Northcoast Communications Antenna Additions
212' ROHN SSMW Tower
Clinton, Connecticut
BU #806363

Dear Lincoln,

All-Points Technology Corp., P.C. performed a structural analysis of Crown Castle's 212' ROHN SSMW tower located at 48 Cow Hill Road in Clinton, Connecticut. The tower was analyzed in accordance with EIA/TIA-222-F, *Structural Standards for Steel Antenna Towers and Antenna Supporting Structures* using a wind speed of 85-mph and ½" radial ice for the following:

- AT&T: Addition of twelve ALP7184 panel antennas on three 15' sector mounts at 180'. Waveguide cables were assumed to be twelve 1-5/8" cables.
- Northcoast: Addition of six DAPA 48010 panel antennas and three Ericsson Minilink 4xT1 dishes on three 15' sector mounts at 155'. Waveguide cables were assumed to be six 1-5/8" cables and three 3/8" cables.

Our analysis indicates the tower and foundation will support the proposed antenna loads.

We appreciate this opportunity to provide you with our services. Please call if you have any questions.

Sincerely,
All-Points Technology Corp.

Robert E. Adair, P.E.
Principal

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STATE OF CONNECTICUT
ROBERT E. ADAIR
No. 20278
LICENSED PROFESSIONAL ENGINEER

☐ 711 NORTH MOUNTAIN ROAD • NEWINGTON, CONNECTICUT 06111 • PHONE: 860-953-4444 • FAX: 860-953-1181
☒ 150 OLD WESTSIDE ROAD • NORTH CONWAY, NEW HAMPSHIRE 03860 • PHONE/FAX: 603-356-5214

RF Exposure Analysis for Proposed AT&T Wireless Antenna Facility

907-007-207

March 07, 2002

Prepared by AT&T Wireless Services, Inc.
Frank Wentink, **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 *48 Cow Hill Rd, Clinton, CT 06413.* 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: ***Clinton***	
Number of simultaneously operating channels	16
Type of antenna	7250.02
Power per channel (Watts ERP)	250.0 Watts
Height of antenna (feet AGL)	180 feet
Antenna Aperture Length	5 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 32.51 μ W/cm^2 which occurs at 1 feet from the antenna facility. The chart in exhibit A also shows that the power density is only 11.95 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	32.51 μ W/cm^2
PCS	1000 μ W/cm^2	5,000 μ W/cm^2	

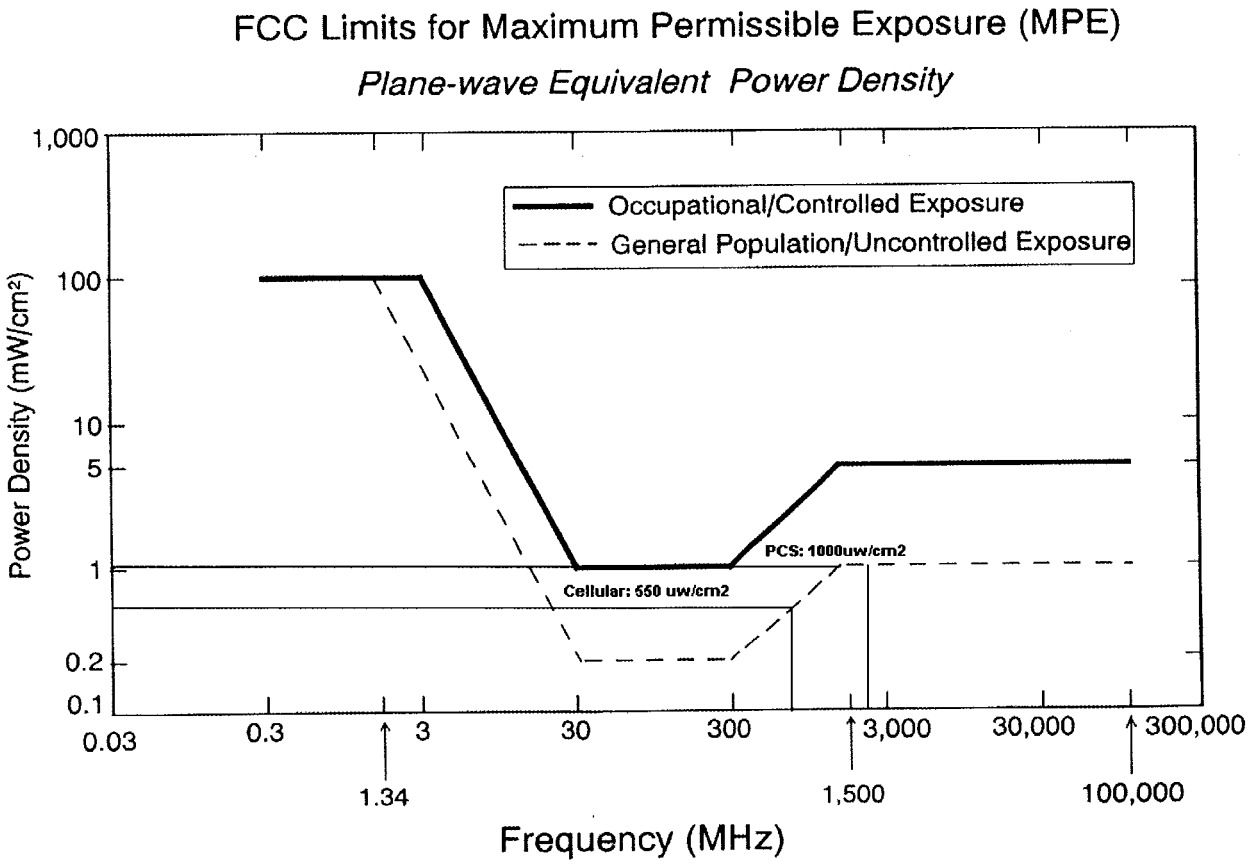
The maximum power density at the proposed facility represents only 11.95% of the public MPE limit.

6. Conclusion

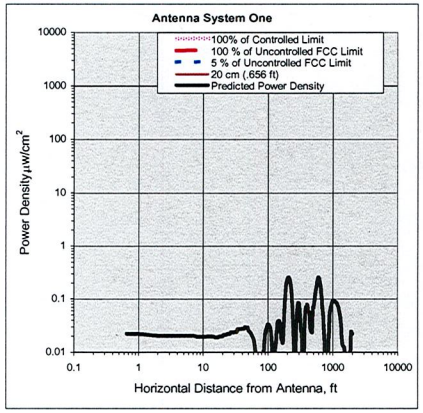
This analysis show that the maximum power density in accessible areas at this location is 32.51 μ W/cm^2, a level of RF energy that is well below the Maximum Permissible Exposure limit established by the FCC.

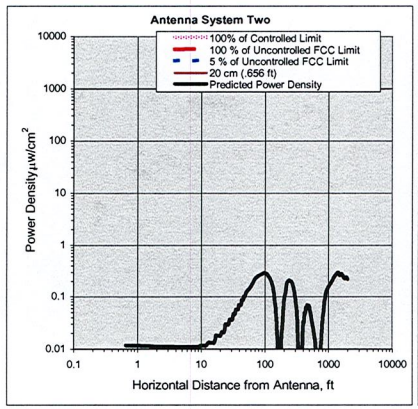
[2] 47 U.S. C. Section 332 (c) (7)(B)(iv) states that "[n]o State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that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

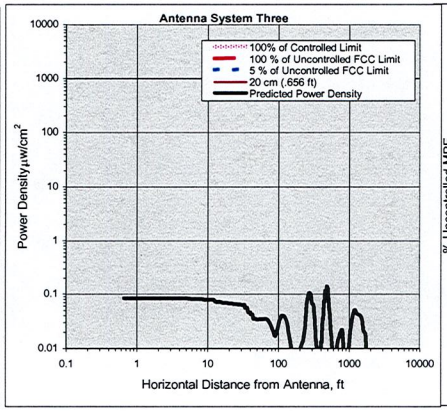
7. FCC Limits for Maximum Permissible Exposure

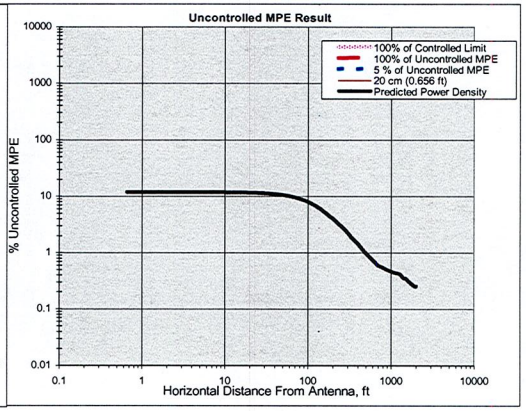


8. Exhibit A









Antenna System One

	units	Value
Frequency	MHz	1965
# of Channels	#	16
Max ERP/Ch	Watts	250
Max Pwr/Ch Into Ant.	Watts	5.597
BS Height (Center of Radiator)	feet	180
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	177.445
WOS?	Y/N?	n

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

Antenna System Two

	units	Value
Frequency	MHz	890
# of Channels	#	16
Max ERP/Ch	Watts	250
Max Pwr/Ch Into Ant.	Watts	18.533
BS Height (Center of Radiator)	feet	208
Calculation Point (above ground or roof surface)	feet	0
Antenna Model No.		ALP9212
Max Ant Gain	dBd	11.3
Down tilt	degrees	0
Miscellaneous Att.	dB	0
Height of aperture	feet	4
Ant HBW	degrees	95
Distance to Ant_{bottom}	feet	206
WOS?	Y/N?	n

Ant System TWO Owner: Verizon
Sector: 3
Azimuth 0/120/240

Number of Antenna Systems: 12

Meets FCC Controlled Limits for The Antennas Systems.

Meets FCC Uncontrolled Limits for The Antenna Systems.

Meets 5% of the FCC Uncontrolled Limits beyond 170 feet from 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 =	32.51	11.95	0.66
8.37 times lower than the MPE limit for uncontrolled environment			
Composite Power (ERP) =	51,800.00	Watts	

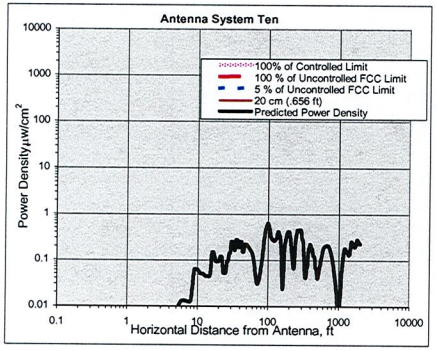
Site ID: CT-207
Site Name: Clinton
Site Location: 48 Cow Hill Rd, Clinton, CT 06413

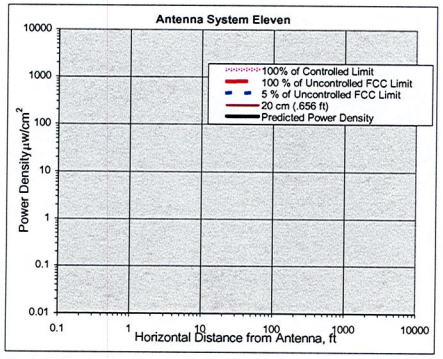
Performed By: Frank Wentink
Date: 3/7/2002

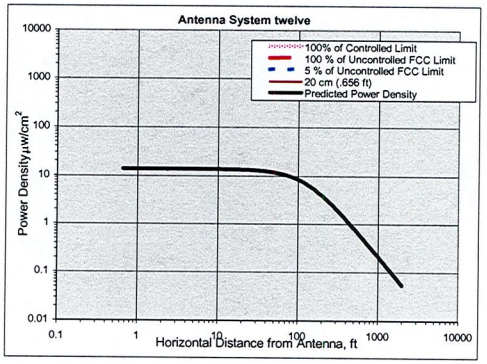
Antenna System Three

	units	Value
Frequency	MHz	1960
# of Channels	#	16
Max ERP/Ch	Watts	250
Max Pwr/Ch Into Ant.	Watts	7.726
BS Height (Center of Radiator)	feet	198
Calculation Point (above ground or roof surface)	feet	0
Antenna Model No.		DB980G90E-M
Max Ant Gain	dBd	15.1
Down tilt	degrees	0
Miscellaneous Att.	dB	0
Height of aperture	feet	5
Ant HBW	degrees	65
Distance to Ant_{bottom}	feet	195.5
WOS?	Y/N?	n

Ant System Three Owner: Sprint
Sector: 3
Azimuth 0/120/240







Antenna System Ten

	units	Value
Frequency	MHz	1974
# of Channels	#	16
Max ERP/Ch	Watts	250
Max Pwr/Ch Into Ant.	Watts	9.077
BS Height (Center of Radiator)	feet	135
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	132.67
WOS?	Y/N?	n

Ant System Four Owner: Omnipoint
Sector: 3
Azimuth: 0

Antenna System Eleven

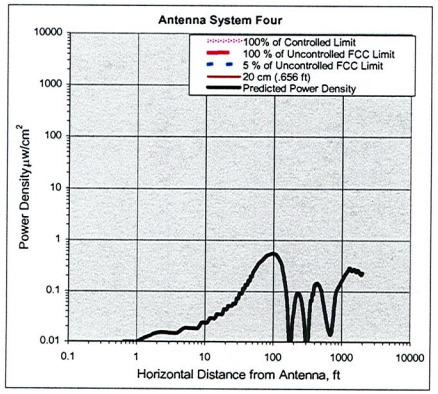
	units	Value
Frequency	MHz	6995
# of Channels	#	2
Max ERP/Ch	Watts	5000
Max Pwr/Ch Into Ant.	Watts	0.500
BS Height (Center of Radiator)	feet	133
Calculation Point (above ground or roof surface)	feet	0
Antenna Model No.		Andrew UHX 10-59
Max Ant Gain	dBd	40
Down tilt	degrees	0
Miscellaneous Att.	dB	0
Height of aperture	feet	10
Ant HBW	degrees	1.1
Distance to Ant_{bottom}	feet	128
WOS?	Y/N?	n

Ant System Five Owner: BAM
Sector: 1
Azimuth: 55

Antenna System Twelve

	units	Value
Frequency	MHz	46
# of Channels	#	6
Max ERP/Ch	Watts	100
Max Pwr/Ch Into Ant.	Watts	164.059
BS Height (Center of Radiator)	feet	125
Calculation Point (above ground or roof surface)	feet	0
Antenna Model No.		DB201
Max Ant Gain	dBd	-2.15
Down tilt	degrees	0
Miscellaneous Att.	dB	0
Height of aperture	feet	9
Ant HBW	degrees	360
Distance to Ant_{bottom}	feet	120.5
WOS?	Y/N?	n

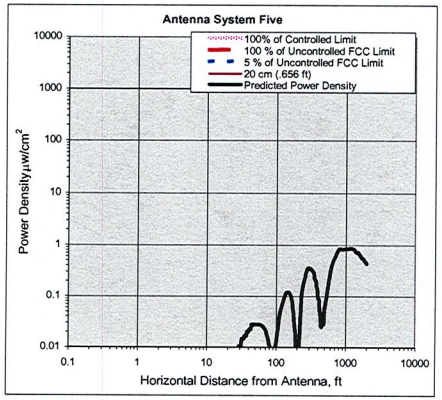
Ant System SIX Owner: TOWN
Sector: 1
Azimuth: 0



Antenna System Four

	units	Value
Frequency	MHz	890
# of Channels	#	16
Max ERP/Ch	Watts	250
Max Pwr/Ch Into Ant.	Watts	22.800
BS Height (Center of Radiator)	feet	190
Calculation Point (above ground or roof surface)	feet	0
Antenna Model No.		7120.16
Max Ant Gain	dBd	10.4
Down tilt	degrees	0
Miscellaneous Att.	dB	0
Height of aperture	feet	5
Ant HBW	degrees	90
Distance to Ant_{bottom}	feet	187.5
WOS?	Y/N?	n

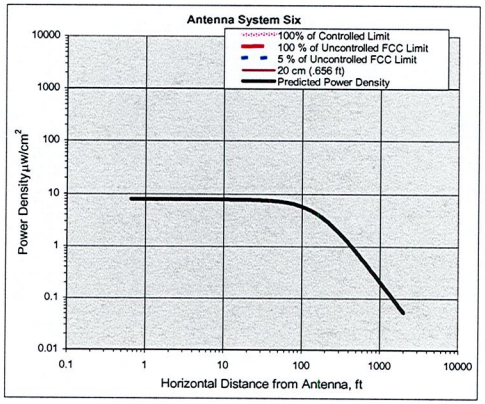
Ant System Four Owner: SNET
Sector: 3
Azimuth: 0/120/240



Antenna System Five

	units	Value
Frequency	MHz	890
# of Channels	#	24
Max ERP/Ch	Watts	250
Max Pwr/Ch Into Ant.	Watts	18.533
BS Height (Center of Radiator)	feet	170
Calculation Point (above ground or roof surface)	feet	0
Antenna Model No.		SC9012
Max Ant Gain	dBd	11.3
Down tilt	degrees	0
Miscellaneous Att.	dB	0
Height of aperture	feet	4
Ant HBW	degrees	95
Distance to Ant_{bottom}	feet	168
WOS?	Y/N?	n

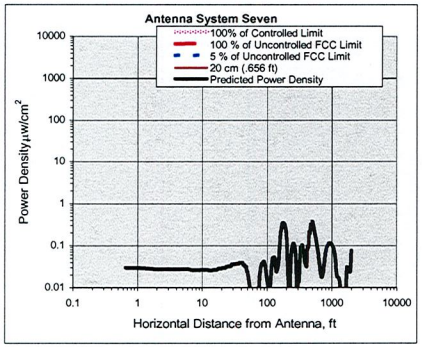
Ant System Five Owner: Nextel
Sector: 3
Azimuth: 0/120/240

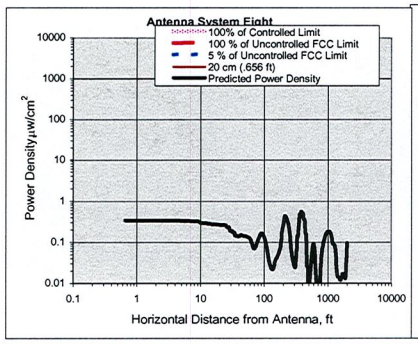


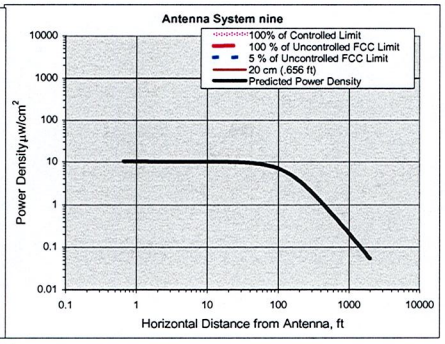
Antenna System Six

	units	Value
Frequency	MHz	46
# of Channels	#	6
Max ERP/Ch	Watts	100
Max Pwr/Ch Into Ant.	Watts	164.059
BS Height (Center of Radiator)	feet	165
Calculation Point (above ground or roof surface)	feet	0
Antenna Model No.		DB201
Max Ant Gain	dBd	-2.15
Down tilt	degrees	0
Miscellaneous Att.	dB	0
Height of aperture	feet	9
Ant HBW	degrees	360
Distance to Ant_{bottom}	feet	160.5
WOS?	Y/N?	n

Ant System SIX Owner: TOWN
Sector: 1
Azimuth: 0







Antenna System Seven

	units	Value
Frequency	MHz	1970
# of Channels	#	16
Max ERP/Ch	Watts	250
Max Pwr/Ch Into Ant.	Watts	5.597
(Center of Radiator)	feet	155
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	152.445
WOS?	Y/N?	n

Ant System ONE Owner: Boston PCS
Sector: 3
Azimuth: 30/150/270

Antenna System Eight

	units	Value
Frequency	MHz	23000
# of Channels	#	2
Max ERP/Ch	Watts	5000
Max Pwr/Ch Into Ant.	Watts	154.515
(Center of Radiator)	feet	155
Calculation Point (above ground or roof surface)	feet	0
Antenna Model No.		DB980G90E-M
Max Ant Gain	dBd	15.1
Down tilt	degrees	0
Miscellaneous Att.	dB	0
Height of aperture	feet	5
Ant HBW	degrees	65
Distance to Ant_{bottom}	feet	152.5
WOS?	Y/N?	n

Ant System TWO Owner: Boston PCS
Sector: 1
Azimuth 265

Antenna System Nine

	units	Value
Frequency	MHz	46
# of Channels	#	6
Max ERP/Ch	Watts	100
Max Pwr/Ch Into Ant.	Watts	164.059
(Center of Radiator)	feet	145
Calculation Point (above ground or roof surface)	feet	0
Antenna Model No.		DB201
Max Ant Gain	dBd	-2.15
Down tilt	degrees	0
Miscellaneous Att.	dB	0
Height of aperture	feet	9
Ant HBW	degrees	360
Distance to Ant_{bottom}	feet	140.5
WOS?	Y/N?	n

Ant System Three Owner: TOWN
Sector: 1
Azimuth 0

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.