

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 30, 2002

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

RE: **EM-AT&T-142-020412** – AT&T Wireless notice of intent to modify an existing telecommunications facility located at 5 Barbara Road, Tolland, Connecticut.

Dear Atty. Fisher:

At a public meeting held on April 25, 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[s] dated April 12, 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 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,

Mortimer A. Gelston
Chairman

MAG/DM/laf

c: Honorable Richard C. Knight, Chairman Town Council, Town of Tolland
SpectraSite, Old Saybrook

CUDDY & FEDER & WORBY LLP

90 MAPLE AVENUE
WHITE PLAINS, NEW YORK 10601-5196

(914) 761-1300

TELECOPIER (914) 761-5372/6405

www.cfwbw.com

500 FIFTH AVENUE
NEW YORK, NEW YORK 10110
(212) 944-2841
TELECOPIER (212) 944-2843

WESTAGE BUSINESS CENTER
300 SOUTH LAKE DRIVE
FISHKILL, NEW YORK 12524
(845) 896-2229
TELECOPIER (845) 896-3572

STAMFORD, CONNECTICUT
NORWALK, CONNECTICUT

CUDDY & FEDER
1971-1906

WILLIAM S. NUIII
DAVID M. PORTINCY
ELISABETH N. FADDOV
NATHAN RIMSKY
RUTH C. BORN
JENNIFER L. VAN TUYL
CHAUNCEY L. WATKINS (also CA)
ROBERT L. WOLFE
DAVID E. WORBY

Gl. Guizard
MICHAEL R. EDELMAN
ANDREW A. CHICKSON (also CT)
ROBERT L. OGDEN (also TX)
MARYANN M. PALERMO
ROBERT C. SCHUBERT
LOUIS R. TAVIERA

NICHOLAS J. ALLEN (also CT)
CHRISTOPHER B. FISHER (also NJ)
THOMAS H. GIBSON (also DC)
THOMAS M. FUGAZI
JOSUAYE GARDNER
FRANCIS J. DUBROFF
ROBERT H. GIL
CHRISTOPHER D. FRIEDL (also CT)
ANTHONY R. GREGORY III (also CT)
SUSAN E. GRYGON
FABIAN G. GONZALEZ
JOSHUA J. GOSWAMI
WAYNE E. HALEY (also CT)
KENNETH P. JARVIS
MICHAEL L. KATZ (also NJ)
JOSHUA F. KIMMIG (also CT)
DANIEL F. LARRY (also CT)
HARRY E. LIND

April 15, 2002

VIA FACSIMILE 860-827-2950

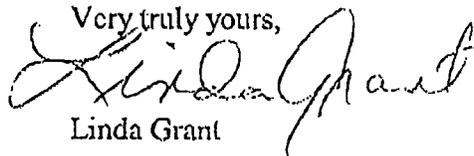
David Martin, Siting Analyst
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless Notice of Exempt Modification
5 Barbara Road, Tolland, Connecticut

Dear Mr. Martin:

In response to your letter dated April 12, 2002 for the above referenced site, please be advised that AT&T proposes installing six (6) panel antenna at approximately the 110 foot level of the tower and equipment cabinets each 76"H x 30" W x 30" D (2 proposed, 2 future) located on a concrete pad within the existing compound. Should you, or the Council, have any questions regarding this matter, please do not hesitate to contact us.

Very truly yours,



Linda Grant

cc: Christopher B. Fisher, Esq.

RECEIVED
APR 12 2002
CONNECTICUT
SITING COUNCIL

**NOTICE OF INTENT TO MODIFY AN
EXISTING TELECOMMUNICATIONS FACILITY AT
5 BARBARA ROAD, TOLLAND, CONNECTICUT**

Pursuant to the Public Utility Environmental Standards Act, Connecticut General Statutes § 16-50g et. seq. ("PUESA"), and Section 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 5 Barbara Road, Tolland, Connecticut (the "Barbara Road Facility"), owned by SpectraSite Communications, Inc., ("SpectraSite"). AT&T Wireless and SpectraSite have agreed to share the use of the Barbara Road Facility, as detailed below.

The Barbara Road Facility

The Barbara Road Facility consists of an approximately one hundred fifty eight (158) foot monopole (the "Tower") and associated equipment currently being used for wireless communications by Sprint, Nextel, Verizon, Voicestream and SNET. A chain link fence surrounds the Tower compound. The current adjacent land uses include undeveloped land, Interstate I-84 and residential uses.

AT&T Wireless' Facility

As shown on the enclosed plans prepared by Tectonic Engineering, including a site plan and tower elevation of the Barbara 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 panel antennas at approximately the 110 foot level of the Tower and associated equipment cabinets on a concrete pad. As evidenced in the structural report prepared by SpectraSite, 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 Barbara 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 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

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

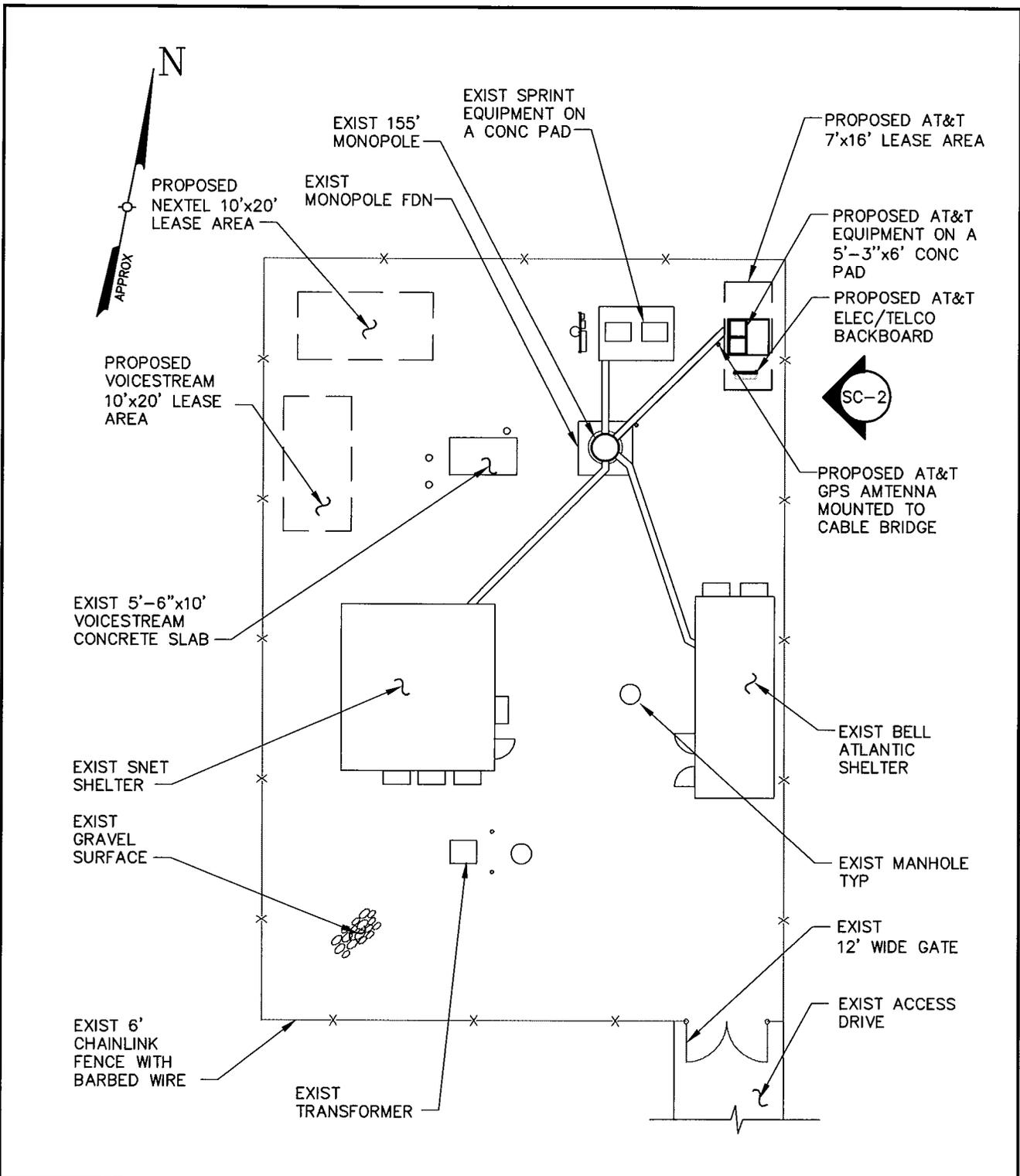
Accordingly, AT&T Wireless requests that the Connecticut Siting Council acknowledge that its proposed modification to the Barbara Road Facility meets the Council's exemption criteria.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'CBF', with a long horizontal line extending to the right.

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

cc: Town Manager, Town of Tolland
Harold Hewett, Bechtel

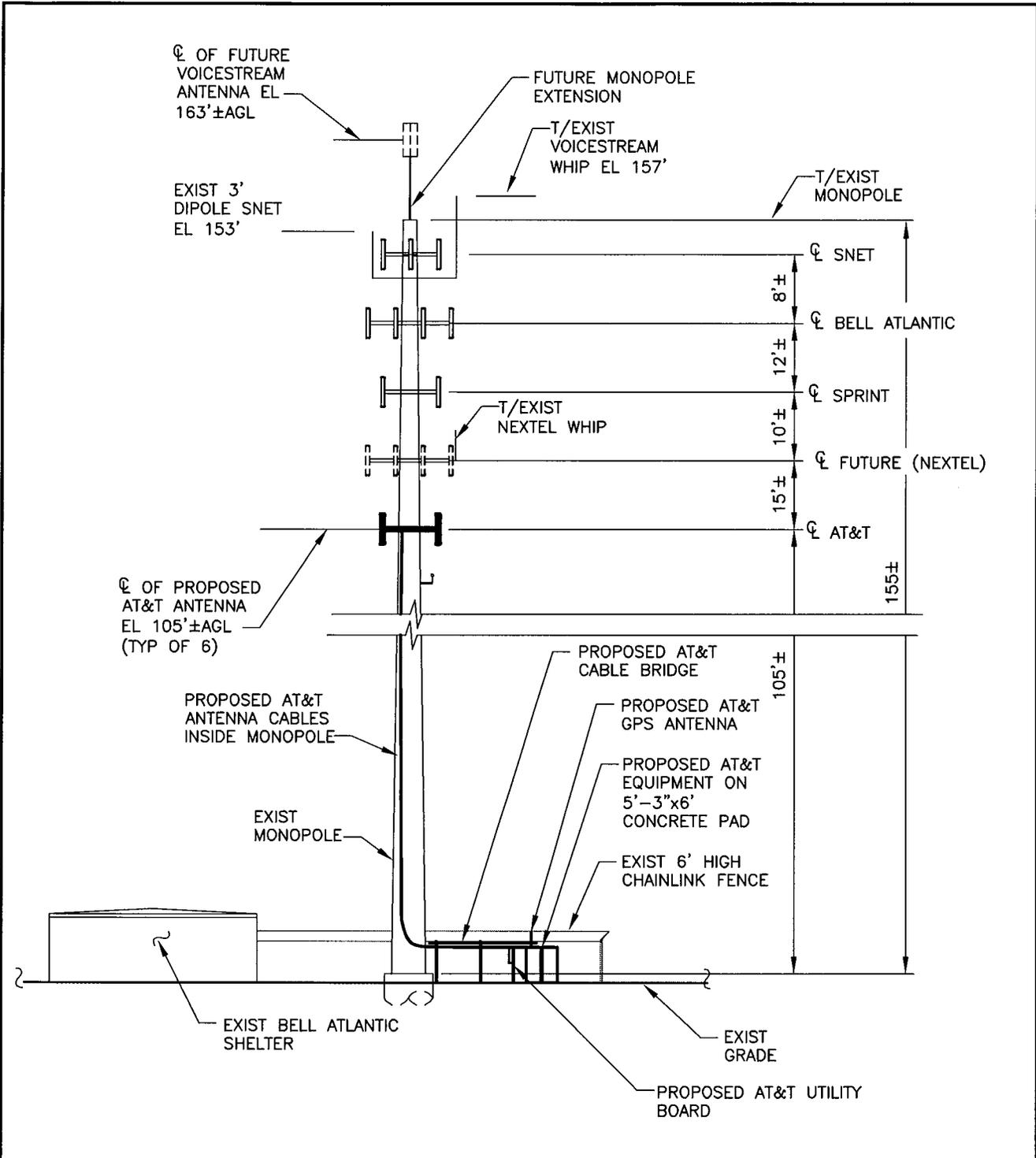


TECTONIC/KEYES ASSOCIATES
 1344 HILL DRUMS HIGHWAY, SUITE 800 OFFICE (860)263-1041
 ROCKY HILL, CT 06067-1348 FAX (860)897-1888



DRAWING TITLE:
SITE DETAIL PLAN
 PROJECT INFORMATION:
TOLLAND EAST CENTRAL
 CT-332.1
 5 BARBARA RD
 TOLLAND, CT
 PROPERTY OWNER:
 SPECTRASITE
 27 COCHDALE DRIVE
 OLD SAYBROOK, CT

DRAWING NO. SC-1	
REVISION NO. 0	DRAWN BY: RPM
DATE: 3/6/02	CHECKED BY: MC
SCALE: 1"=20'	APPROVED BY: JDF
ISSUED FOR APPROVAL SHEET NO. 1 of 2	
WORK ORDER #: 2650.CT332	



NOTE: EXIST SPRINT EQUIP ON CONC PAD NOT SHOWN FOR CLARITY.

<p>TECTONIC/KEYES ASSOCIATES <small>1300 HILLDALE DRIVE, SUITE 200 HARTFORD, CT 06111-1246 OFFICE: (860)940-2241 FAX: (860)940-2242</small></p>	 <p>AT&T AT&T WIRELESS PCS, LLC. <small>12 Omega Drive, Second Floor Stamford, CT 06902</small></p>	<p>DRAWING TITLE: ELEVATION PROJECT INFORMATION: TOLLAND EAST CENTRAL CT-332.1 5 BARBARA RD TOLLAND, CT</p> <p>PROPERTY OWNER: SPECTRASITE 27 COCHDALE DR OLD SAYBROOK, CT</p>	<p>DRAWING NO. SC-2</p> <table border="1"> <tr> <td>REVISION NO. 0</td> <td>DRAWN BY: RPM</td> </tr> <tr> <td>DATE: 3/6/02</td> <td>CHECKED BY: MC</td> </tr> <tr> <td>SCALE: 1" = 20'</td> <td>APPROVED BY: JDF</td> </tr> <tr> <td>ISSUED FOR APPROVAL</td> <td>SHEET NO. 2 of 2</td> </tr> <tr> <td colspan="2">WORK ORDER #: 2650.CT332</td> </tr> </table>	REVISION NO. 0	DRAWN BY: RPM	DATE: 3/6/02	CHECKED BY: MC	SCALE: 1" = 20'	APPROVED BY: JDF	ISSUED FOR APPROVAL	SHEET NO. 2 of 2	WORK ORDER #: 2650.CT332	
REVISION NO. 0	DRAWN BY: RPM												
DATE: 3/6/02	CHECKED BY: MC												
SCALE: 1" = 20'	APPROVED BY: JDF												
ISSUED FOR APPROVAL	SHEET NO. 2 of 2												
WORK ORDER #: 2650.CT332													



Structural Analysis of 155' EEI Monopole
Tolland, 5 Barbara Road, Tolland, CT

CT-332
CT-0031
1/17/02

1.0 Introduction

A structural analysis was performed on the above noted tower for the addition of proposed antennas as listed below. The analysis consisted of applying the forces caused by the existing and proposed loads, and determining the resulting stresses in the structure and its foundation.

The following criteria were used in the analysis:

- 1. TIA/EIA-222-F Standard for a basic wind speed of 85 mph wind [Tolland County], considering two loading cases:

- Load Case 1. 100% wind pressure, without radial ice
- Load Case 2. 75% wind pressure, with 1/2" radial ice

Information, including geometry and member sizes were obtained from Engineering Endeavors Drawing 3503 dated 6/17/98. Foundation details were obtained from Engineering Endeavors Drawing F3503-150.N dated 3/2/98. The structure is in good condition and capable of supporting its original full design capacity.

2.0 Antenna and Transmission Line Loading

Table 1. Existing and Proposed Antennas

Elevation (ft. AGL)	Antenna	Carrier	Transmission Lines*	Notes
157	(1) 4' Whip	Voicestream		
153	(1) 3' Yagi	Cellular One	(2) 7/8"	Remove
150	(9) Allgon 7120.16 on Platform	Cellular One	(9) 1-1/4"	Existing
-	Mount with Handrails			Existing
142	(12) Allgon 7130.16.05 on Platform	Bell Atlantic	(12) 1-5/8"	Existing
	Mount with Handrails	Mobility		
130	(6) Decibel DB980H90E-M on Platform	Sprint	(6) 1-5/8"	Existing
	Mount with Handrails			
125	(1) 7' Omni	TBD	(1) 1/2"	Existing
120	(12) Decibel DB844H90 on Platform	Nextel	(12) 1-1/4"	Proposed
-	Mount with Handrails			

* Coax installed inside the monopole.

**See attached drawing for required new portholes at 102'

3.0 Results

Monopole Stress Levels

Elevation (<i>Fl. A.G.L.</i>)	Maximum Stress Ratio*
0 to 10	0.93
10 to 20	0.91
20 to 30	0.90
30 to 43	0.88
43 to 56	0.96
56 to 69	0.91
69 to 83	0.85
83 to 95	0.88
95 to 107	0.76
107 to 120	0.61
120 to 124	0.43
124 to 130	0.64
130 to 140	0.46
140 to 146	0.21
146 to 155	0.09

*Maximum Stress Ratio: 1.00=Full Allowable.

Foundation Stress Levels

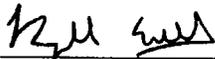
Base Reactions	Current Analysis
Moment (<i>kip.ft</i>)	3351.2
Compression (<i>kips</i>)	41.1
Shear (<i>kips</i>)	32.2

The existing foundation is structurally adequate to accommodate the existing and proposed loading.

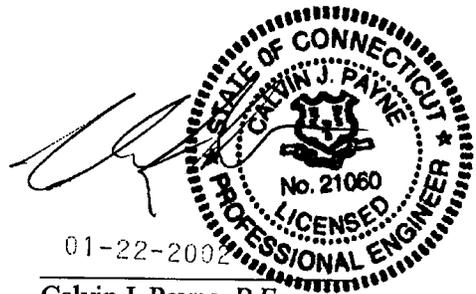
4.0 Conclusions and Recommendations

1. The tower and foundation are structurally adequate to accommodate the existing and proposed antenna and transmission line loading used in this analysis.
2. Any future changes in loading must be reviewed by the SpectraSite Engineering Department.

Should any questions arise concerning this report please contact the undersigned.



Raphael Mohamed
Structural Engineer



01-22-2002
Calvin J. Payne, P.E.
Chief Engineer



RF Exposure Analysis for Proposed AT&T Wireless Antenna Facility

SITE ID: 907-007-332

April 2, 2002

**Prepared by AT&T Wireless Services, Inc.
Frank Wentink RF Engineer**

Table of Contents

1. INTRODUCTION	3
2. SITE DATA.....	3
3. RF EXPOSURE PREDICTION.....	3
4. FCC GUIDELINES FOR EVALUATING THE ENVIRONMENTAL EFFECTS OF RF RADIATION 4	
5. COMPARISON WITH STANDARDS	4
6. CONCLUSION	4
7. FCC LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE	5
8. EXHIBIT A	6
9. FOR FURTHER INFORMATION.....	7
10. REFERENCES	7

1. Introduction

This report constitutes an RF exposure analysis for the proposed AT&T Wireless antenna facility to be located at 5 Barbara Road; Tolland CT 06084. 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: Tolland East Central	
Number of simultaneously operating channels	16
Type of antenna	Allgon 7250.03
Power per channel (Watts ERP)	250.0 Watts
Height of antenna (feet AGL)	105.00 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 facility¹:

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

Where, N = Number of channels, R = distance in cm from the RC (Radiation Center) of antenna, and $EIRP(\theta)$ = The isotropic power expressed in milliwatts in the direction of prediction point. This is the correct equation for antennas which have their gain expressed in dBi, which is the usual case for the PCS bands.

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

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 beam-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 (μW), 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 0.003389 mW/cm² which occurs at 120 feet from the antenna facility. The chart in exhibit A also shows that the power density is only 0.000060 mW/cm² 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

<i>Frequency</i>	<i>Public/Uncontrolled</i>	<i>Occupational/controlled</i>	<i>Maximum power density at Accessible location</i>
Cellular	.580 mW/cm ²	2.9 mW/cm ²	0.003389 mW/cm ²
PCS	1 mW/cm ²	5 mW/cm ²	

The maximum power density at the proposed facility represents only 0.52% of the public MPE limit for PCS frequencies.

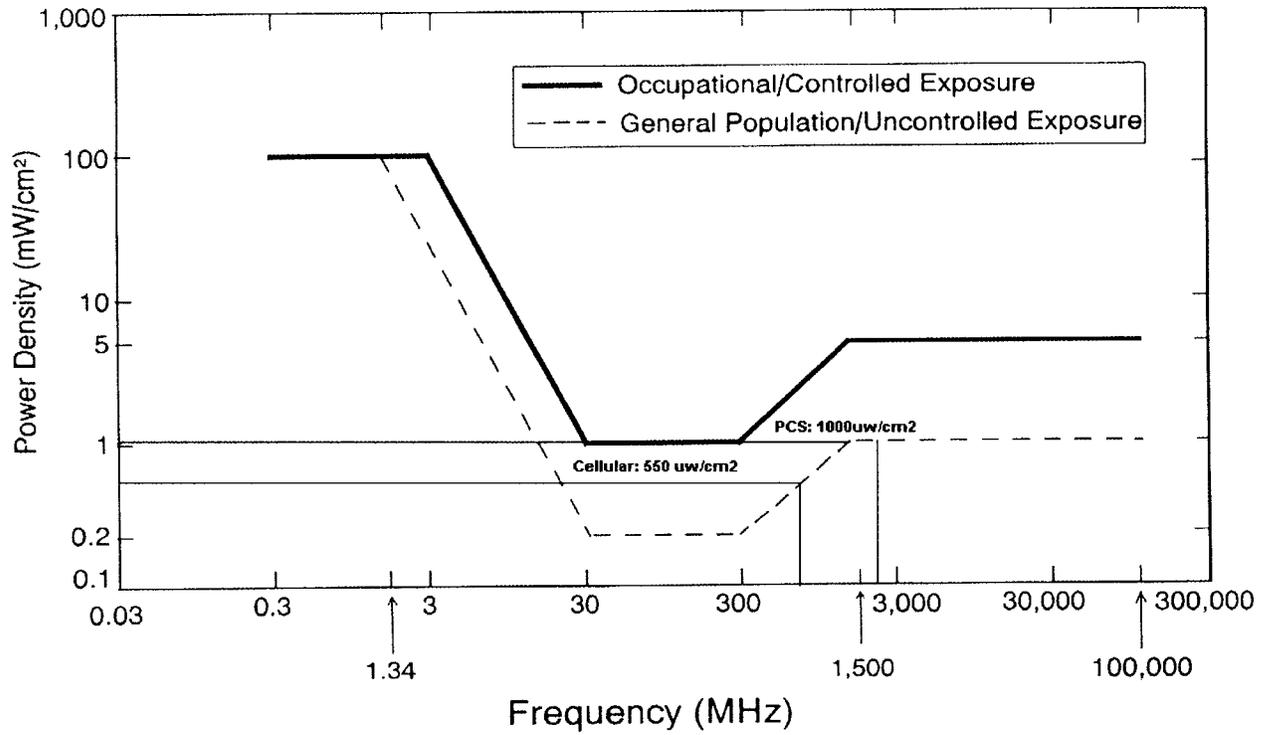
6. Conclusion

This analysis show that the maximum power density in accessible areas at this location is 0.003389 mW/cm², 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.”

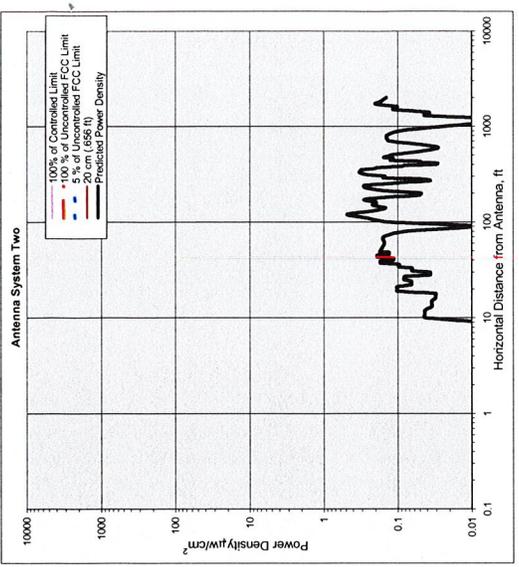
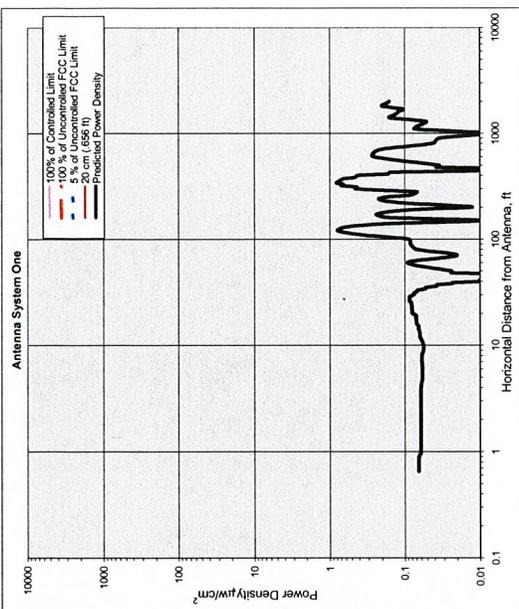
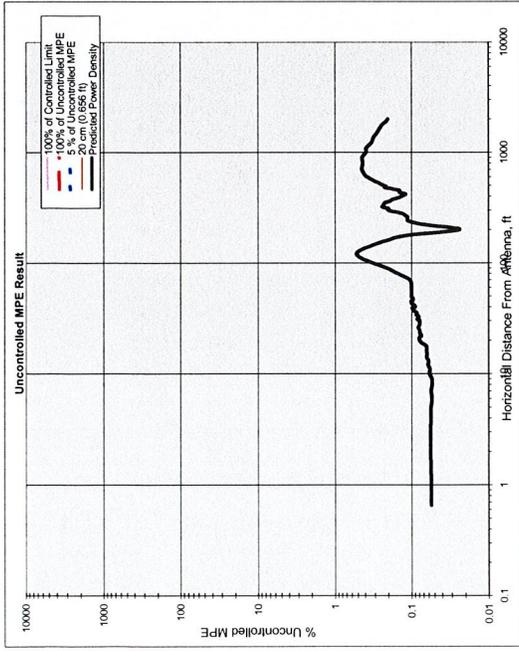
7. FCC Limits for Maximum Permissible Exposure

FCC Limits for Maximum Permissible Exposure (MPE)
Plane-wave Equivalent Power Density



8. Exhibit A

Heading



Number of Antenna Systems: 7

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	µW/cm ²	% of limit	@Horiz. Dist. feet
Maximum Power Density =	0.00	0.52	120.00
192.96 times lower than the MPE limit for uncontrolled environment			
Composite Power (ERP) =	24,000.00	Watts	

Site ID: 907-007-332
 Site Name: Tolland East Central
 Site Location: S Barbara Lane
 Tolland, CT 06084

Performed By: Joe Engineer
 Date: 4/2/02

Antenna System One

Frequency	units	Value
1945.00	MHz	1945.00
# of Channels	#	16
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	5.60
Calculation Point (Center of Radiator)	feet	105.00
(above ground or roof surface)	feet	0.00
Antenna Model No.		0.00
Max Ant Gain	dBd	Align 7250.02
Down tilt	degrees	16.50
Miscellaneous Att.	dB	0.00
Height of aperture	feet	5.11
Ant HBW	degrees	65.00
Distance to Ant _{center}	feet	102.45
WOS?	Y/N?	n

Antenna System Two

Frequency	units	Value
1945.00	MHz	1945.00
# of Channels	#	16
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	9.08
Calculation Point (Center of Radiator)	feet	163.00
(above ground or roof surface)	feet	0.00
Antenna Model No.		0.00
Max Ant Gain	dBd	88901702
Down tilt	degrees	14.40
Miscellaneous Att.	dB	0.00
Height of aperture	feet	4.66
Ant HBW	degrees	90.00
Distance to Ant _{center}	feet	160.67
WOS?	Y/N?	n

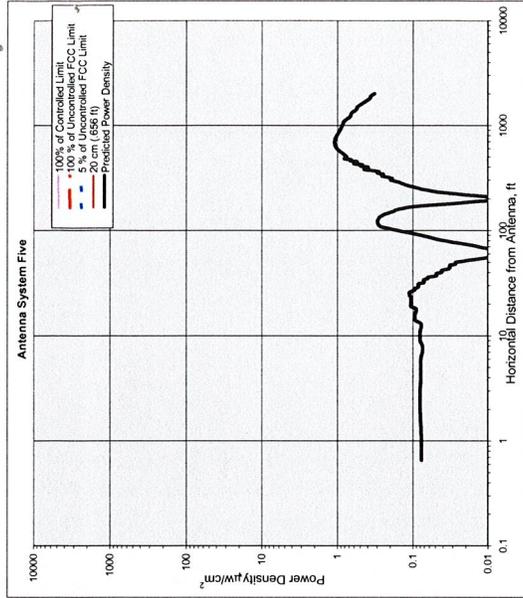
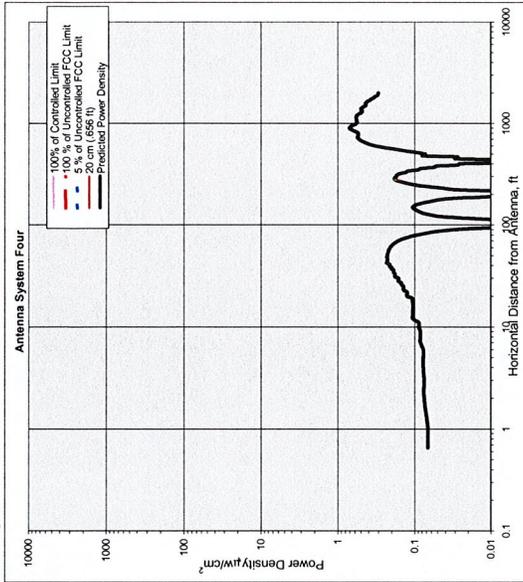
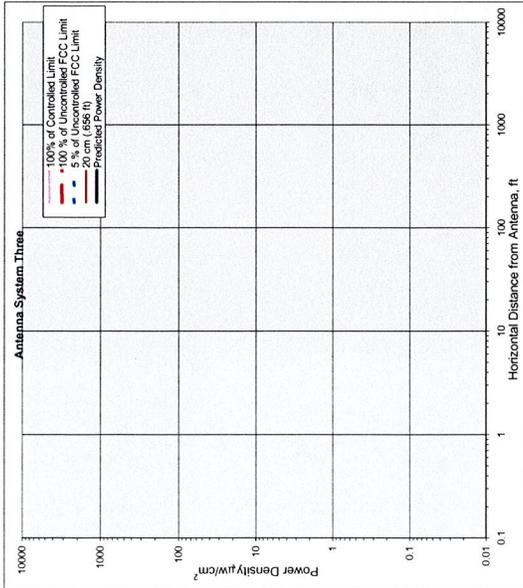
Ant System ONE Owner: AT&T

Sector: 3
 Azimuth: 0/120/240

Ant System TWO Owner: Voicestream

Sector: 3
 Azimuth: 0/120/240

Heading



Antenna System Three

Frequency	units	Value
835.00	MHz	900.00
# of Channels	#	4
Max ERP/Ch	Watts	0.00
Max Pwr/Ch Into Ant.	Watts	0.00
(Center of Radiator)	feet	153.00
Calculation Point	feet	0.00
(above ground or roof surface)	feet	0.00
Antenna Model No.		Yagi
Max Ant Gain	dBd	13.40
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	4.66
Ant HBW	degrees	90.00
Distance to Ant _{bottom}	feet	150.67
WOS?	Y/N?	n

Ant. System Three Owner: Arch/Pagenet
 Sector: 1
 Azimuth: 0

Antenna System Four

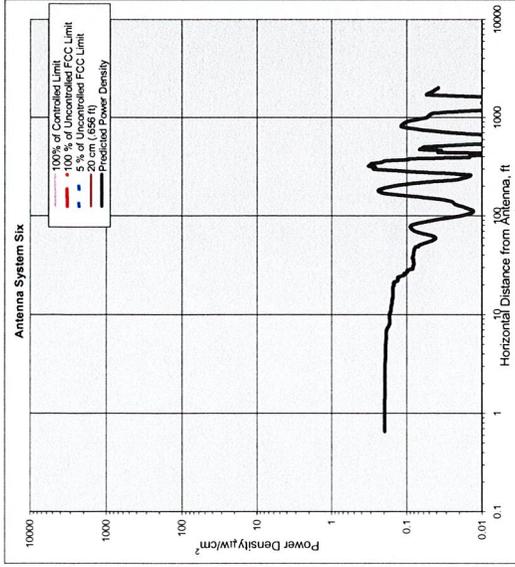
Frequency	units	Value
835.00	MHz	835.00
# of Channels	#	16
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	18.11
(Center of Radiator)	feet	150.00
Calculation Point	feet	0.00
(above ground or roof surface)	feet	0.00
Antenna Model No.		7120.16
Max Ant Gain	dBd	11.40
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	4.33
Ant HBW	degrees	110.00
Distance to Ant _{bottom}	feet	147.84
WOS?	Y/N?	n

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

Antenna System Five

Frequency	units	Value
835.00	MHz	835.00
# of Channels	#	16
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	18.96
(Center of Radiator)	feet	142.00
Calculation Point	feet	0.00
(above ground or roof surface)	feet	0.00
Antenna Model No.		7130.16
Max Ant Gain	dBd	11.20
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	8.00
Ant HBW	degrees	90.00
Distance to Ant _{bottom}	feet	138.00
WOS?	Y/N?	n

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



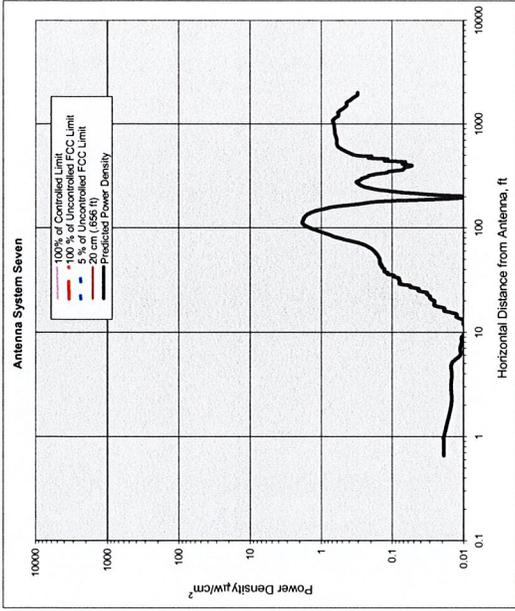
Antenna System Six

units	Value
Frequency	1945.00
# of Channels	16
Max ERP/Ch	250.00
Max Pwr/Ch into Ant. (Center of Radiator)	7.73
Calculation Point (above ground or roof surface)	130.00
Antenna Model No.	0.00
Max Ant Gain	0.00
Down tilt	15.10
Miscellaneous Att.	0.00
Height of aperture	0.00
Ant HBW	4.00
Distance to Ant _{bottom}	90.00
WOST?	128.00
Y/N?	n

Ant System SIX Owner: Sprint

Sector: 3

Azimuth: 0/120/240



Antenna System Seven

units	Value
Frequency	806.00
# of Channels	16
Max ERP/Ch	250.00
Max Pwr/Ch into Ant. (Center of Radiator)	15.77
Calculation Point (above ground or roof surface)	120.00
Antenna Model No.	0.00
Max Ant Gain	0.00
Down tilt	12.00
Miscellaneous Att.	0.00
Height of aperture	0.00
Ant HBW	4.00
Distance to Ant _{bottom}	90.00
WOST?	118.00
Y/N?	n

Ant System SEVEN Owner: Nextel

Sector: 3

Azimuth: 0/120/240

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.