NOTICE OF INTENT TO MODIFY AN EXISTING TELECOMMUNICATIONS FACILITY AT 115 BIRCH MOUNTAIN ROAD, GLASTONBURY, 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 115 Birch Mountain Road, Glastonbury, Connecticut (the "Birch Mountain Road Facility"), owned by Pinnacle Towers, Inc., (the "Tower Owner"). AT&T Wireless and the Tower Owner have agreed to share the use of the Birch Mountain Road Facility, as detailed below.

The Birch Mountain Road Facility

The Birch Mountain Road Facility consists of a one hundred ninety-nine (199) foot lattice tower (the "Tower"), confirmed by measurement, and associated equipment currently being used for wireless communications by VoiceStream, Sprint and others.[1]

AT&T Wireless' Facility

As shown on the enclosed plans prepared by ScienTel, including a site plan and tower elevation of the Birch Mountain Road Facility, AT&T Wireless proposes shared use of the Facility by placing antennas on the Tower and equipment cabinets at grade needed to provide personal communications services ("PCS"). AT&T Wireless will install 6 panel antennas at approximately the 130 foot level of the Tower and associated equipment cabinets (2 proposed, 2 future, each 76"H x 30" W x 30" D) located on a concrete pad within the fenced compound. As evidenced in the structural report prepared by Pinnacle Towers, 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.

AT&T Wireless' Facility Constitutes An Exempt Modification

The proposed addition of AT&T Wireless' antennas and equipment to the Birch Mountain 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 Galen Belen, RF Engineer, annexed hereto as Exhibit B, the total radio frequency

[1] See Emissions report annexed hereto as Exhibit B. Please note, there are three (3) dish antenna which have not been included in the emissions calculations as they are receive only antennae. See page 4 of annexed report.

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.

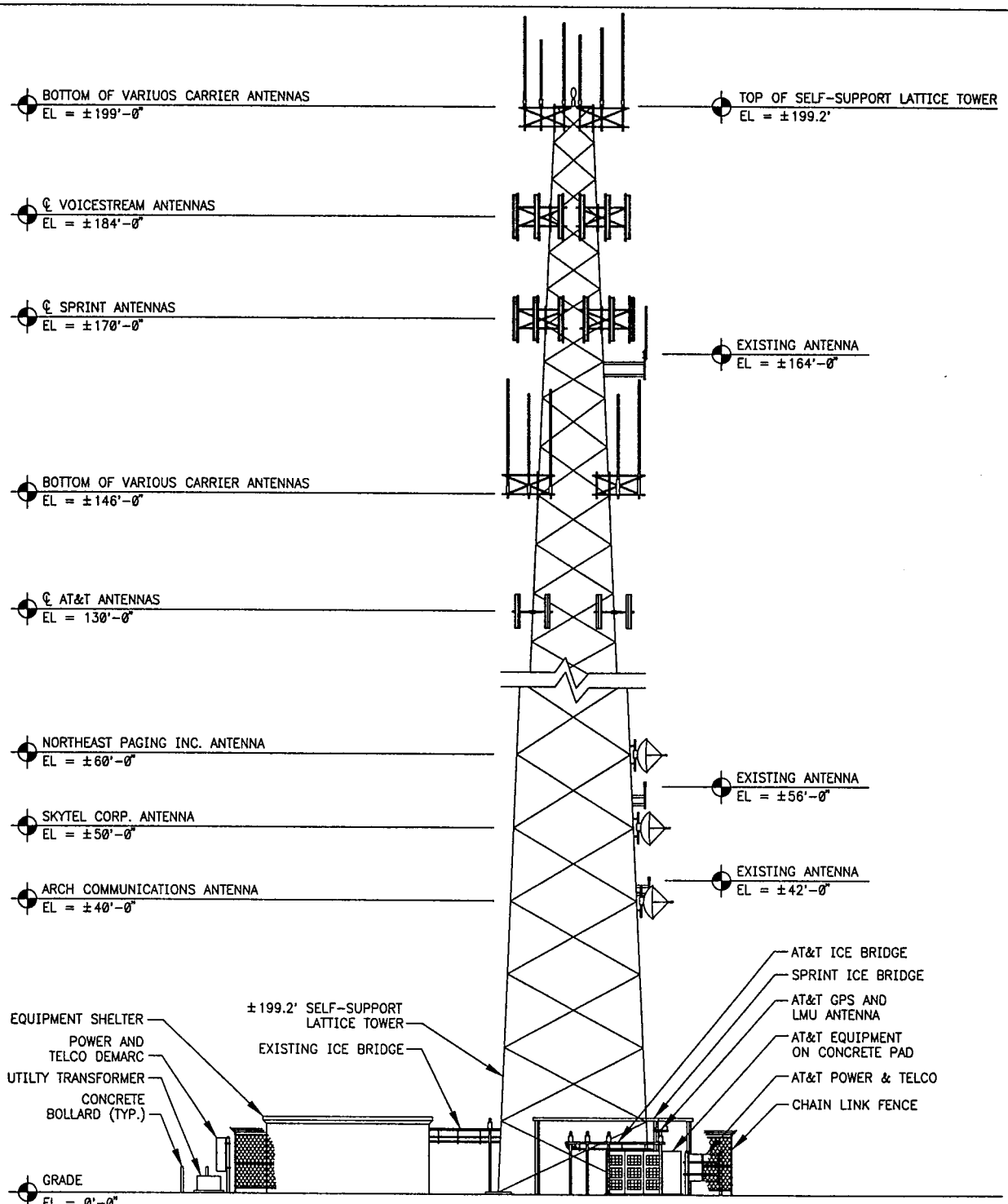
Conclusion

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

Respectfully Submitted,

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

cc: Town Manager, Town of Glastonbury
RJ Wetzel, Bechtel



WEST ELEVATION 1

SCALE: 1" = 20'-0"

SC2

SCIENTEL.
THE BLEACHERY
143 WEST STREET
NEW MILFORD, CT. 06776
Tel: (860) 210-3020
Fax: (860) 210-3047

AT&T
AT&T WIRELESS SERVICES, INC.
149 EAST WATER STREET
SOUTH NORWALK, CT. 06855

DRAWING TITLE:
SITING COUNCIL

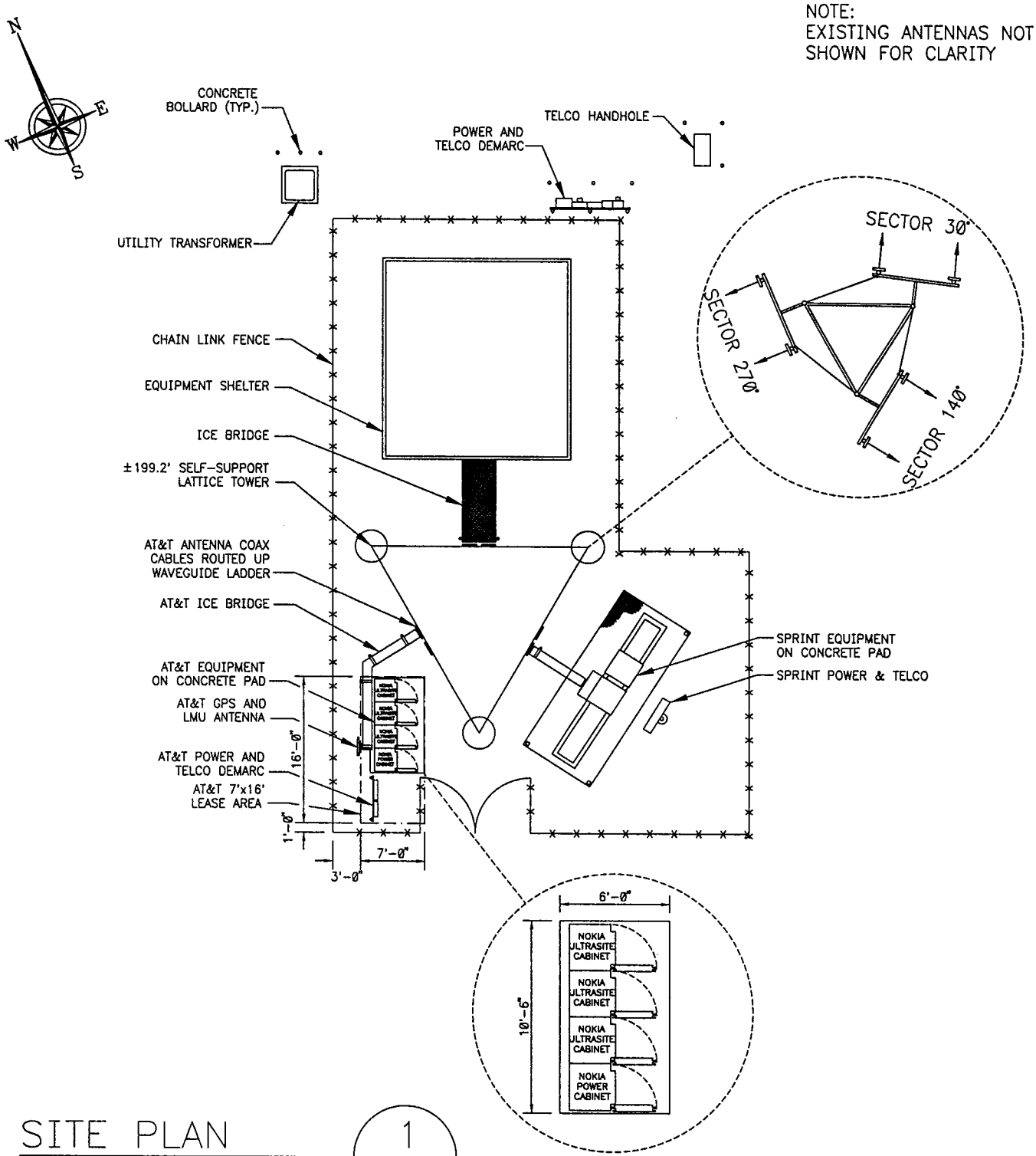
PROJECT INFORMATION:
GLASTONBURY
CT-868
115 BIRCH MOUNTAIN ROAD
GLASTONBURY, CT. 06033

TOWER OWNER:
PINNACLE TOWERS, INC.
301 N. CATTLEMAN ROAD
SARASOTA, FL. 34232

DRAWING NO.
SC2

REVISION NO. 1	DRAWN BY: JT
DATE ISSUED: 10/01/02	CHECKED BY: KW
SCALE: 1" = 20'-0"	APPROVED BY: SC
	SHEET NO. 2 of 2
A/E PROJECT NO: 17447-0015	

NOTE:
EXISTING ANTENNAS NOT SHOWN FOR CLARITY



SITE PLAN

SCALE: 1" = 15'-0"

1 / SC1

SCIENTEL.
THE BLEACHERY
143 WEST STREET
NEW MILFORD, CT. 06776
Tel: (860) 210-3020
Fax: (860) 210-3047

AT&T
AT&T WIRELESS SERVICES, INC.
149 EAST WATER STREET
SOUTH NORWALK, CT. 06855

DRAWING TITLE:
SITING COUNCIL

PROJECT INFORMATION:
GLASTONBURY
CT-868
115 BIRCH MOUNTAIN ROAD
GLASTONBURY, CT. 06033

TOWER OWNER:
PINNACLE TOWERS, INC.
301 N. CATTLEMAN ROAD
SARASOTA, FL. 34232

DRAWING NO.
SC1

REVISION NO. 1	DRAWN BY: JT
DATE ISSUED: 10/01/02	CHECKED BY: KW
SCALE: 1" = 15'-0"	APPROVED BY: SC
	SHEET NO. 1 OF 2
A/E PROJECT NO: 17447-0015	

PINNACLE
Towers Inc

Structural Analysis Report

Existing 199' Model S3TL Self-Support Tower

Manufactured by Sabre Communications

Located at Glastonbury (John Tom Hill), CT

For

AT&T Wireless Services

(0425-016)

Prepared by:

Pinnacle Towers Inc.
Michael T. De Boer, P.E.
Senior Engineer

September 19, 2002

301 North Cattlemen Road Sarasota Florida 34232
888 748 3482 941 364 8886 fax 941 364 8761 pinnacletowers.com

Structural Analysis Report

Existing 199' Model S3TL Self-Support Tower

For

AT&T Wireless Services

Table of Contents

Pinnacle Towers Inc.
0425-016
September 19, 2002

INTRODUCTION

The purpose of this analysis is to determine that the existing tower design is in conformance to the ANSI/TIA/EIA-222-F 1996 standard requirements for the exiting and proposed antenna loading. The existing tower is a 199' Model S3TL Self-Support Tower located at Glastonbury (John Tom Hill), CT. The original tower manufacturer is Sabre Communications Corp., Sioux City, IA. The analysis is being done for ***AT&T Wireless Services.***

The self-support tower program used in the analysis was written by Weisman Consultants, Inc. This program is one of the most widely used programs in the communications industry. The wind loading used in the analysis was 85 mph with ½" solid radial ice. The tower, for the purpose of this analysis, is assumed to be in good condition with no defects. Member sizes used in the analysis are based on the original tower drawings provided by Sabre Communications Corporation.

ANTENNA LOADING INFORMATION

EXISTING ANTENNA LOADING

One Channel Master dish antenna at 40' with (1) RG6 tx line.
One antenna at 42' with (1) ½" tx line.
One dish antenna at 50' with (1) RG6 tx line.
One antenna at 56' with (1) ½" tx line.
One dish antenna at 60' with (1) RG6 tx line.
One ASPA-685 antenna at 146' with (1) ½" tx line.
One 22' omni antenna at 146' with (1) 7/8" tx line.
One Celwave PD201-7 antenna at 147' with (1) 7/8" tx line.
One Sinclair SRL480 antenna at 147' with (1) 7/8" tx line.
One Kathrein OGB9-915N antenna at 148' with (1) ½" tx line.
One Scala antenna at 164' with (1) ½" tx line.
Six DB980H90E-M antennas at 170' with (6) 1 5/8" tx lines.

ANTENNA LOADING INFORMATION cont.

EXISTING ANTENNA LOADING cont.

Six RR90-17-02DP antennas at 184' with (6) 1 5/8" tx lines.
One Phelps Dodge antenna at 199' with (1) ½" tx line.
One ASPA711 antenna at 199' with (1) ½" tx line.
One Celwave antenna at 199' with (1) 7/8" tx line.
One omni antenna at 199' with (1) 7/8" tx line.
One Celwave antenna at 199' with (1) 7/8" tx line.
One Scala OGB6-928 antenna at 199' with (1) 1 5/8" tx line.

PROPOSED ANTENNA LOADING

Six Allgon 7250 panel antennas at 130' with (12) 1 ¼" tx lines.

Note: For the purpose of this report, the transmission lines are distributed as per the original tower drawings provided by Sabre Communications Corp.

RESULTS

The existing 199' Model S3TL self-support tower located at Glastonbury (John Tom Hill), CT was analyzed with a 85 mph wind load and ½" solid radial ice per the EIA-222-F 1996 standard. Based on this wind condition and antenna loading, this tower is structurally acceptable at this time.

The existing tower foundation was also reviewed and was found to be acceptable as well.

The allowable C.S.R. is 1.33 which takes into account the 1/3 increase for wind.

RECOMMENDATIONS

The existing 199' Model S3TL self-support tower at Glastonbury (John Tom Hill), CT is structurally acceptable and requires no structural modification at this time to be into compliance with the current EIA-222-F, 1996 standard. The following should be done to maximize capacity and assure the structural integrity of the tower:

The new transmission lines should be equally distributed on all tower faces to reduce the exposed wind area.

All the dead antennas and transmission lines should be removed to allow for additional loading in the future.

If any other antennas are proposed, another structural analysis should be done to assure the structural adequacy of the tower.

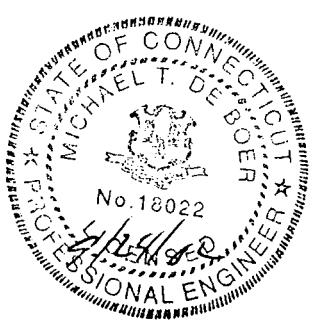
CONCLUSION

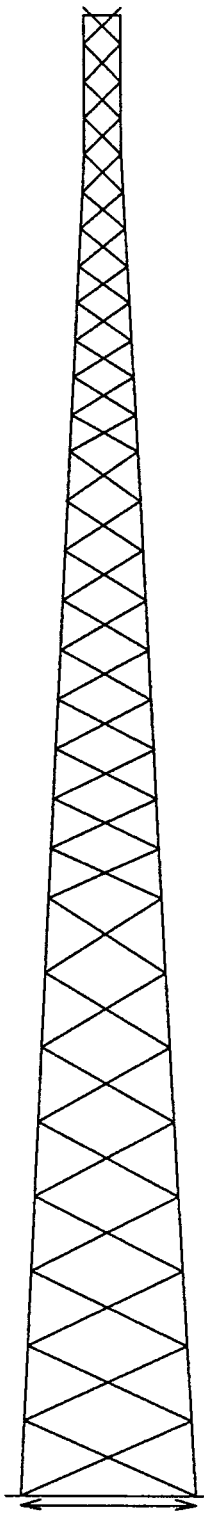
The existing 199' Model S3TL self-support tower located at Glastonbury (John Tom Hill), CT is structurally acceptable based upon the EIA-222-F-1996 standard with a 85 mph wind and ½" solid radial ice. No structural modifications are required at this time.

I hope this analysis satisfies your current needs. If any further questions arise, please feel free to call.

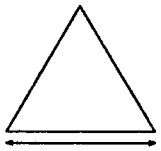
Sincerely,
PINNACLE TOWERS INC.

Michael T. De Boer, P.E.
Senior Engineer





ELEVATION



PLAN AT BASE

PLAN AT TOP

MATERIAL LIST

NO	TYPE
A	SCH80 3-1/2"
B	SCH80 2-1/2"
C	L 4"x4"x1/4"
D	L 3"x3"x3/16"
E	L 2-1/2"x2-1/2"x3/16"

Leg	50 KSI	SCH80 8" ⌀	SCH40 8" ⌀	SCH80 6" ⌀	SCH40 6" ⌀	SCH80 5" ⌀	SCH80 4" ⌀	A	SCH80 3" ⌀	B
Diagonal	A36	C	L 3-1/2"x3-1/2"x1/4"		D	E		L 1-3/4"x1-3/4"x3/16"		
Brace Bolts	A325	VARIES								
Face Width									5.0'	5.0'
Panel Height#Panels			10.0'#8		6.7'#9			5.0'#12		

TOTAL FOUNDATION LOADS
H=44.00k
V=51.41k
M=4750.10k-ft
T=33.28k-ft

INDIVIDUAL FOOTING LOADS
H=26.03k
V=249.84k
U=-216.99k

Pinnacle Towers Inc.
301 N. Cattlemen Road, Sarasota FL 34232
Phone: (941) 364-8886 Fax: (941) 364-8761

Client: ATT WIRELESS SERVICES Job No: CT0425-016 Date: 24 sep 2002
Location: JOHN TOM HILL, CT Tower Height: 199.00'
Standard: EIA-222-F, 1996 Design Wind & Ice: 85 MPH; 1/2" ICE

Project: c:\aa\ct0425~1.lod

RF Exposure Analysis for Proposed AT&T Wireless Antenna Facility

SITE ID: 907-007-868

September 27, 2002

Prepared by AT&T Wireless Services, Inc.
Galen Belen **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 *115 Birch Mountain Road, Glastonbury CT 06033.* 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: ***Hebron North***	
Number of simultaneously operating channels	12
Type of antenna	Allgon 7250.03
Power per channel (Watts ERP)	250.0 Watts
Height of antenna (feet AGL)	130 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. This is the correct equation for antennas which have their gain expressed in dBi, which is the usual case for the PCS bands.

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

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 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 (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 0.003584 mW/cm^2 which occurs at 10 feet from the antenna facility. The chart in exhibit A also shows that the power density is only 0.002919 mW/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 mW/cm^2	2.9 mW/cm^2	0.003584 mW/cm^2
PCS	1 mW/cm^2	5 mW/cm^2	

The maximum power density at the proposed facility represents only 1.17% of the public MPE limit for all frequencies in use.

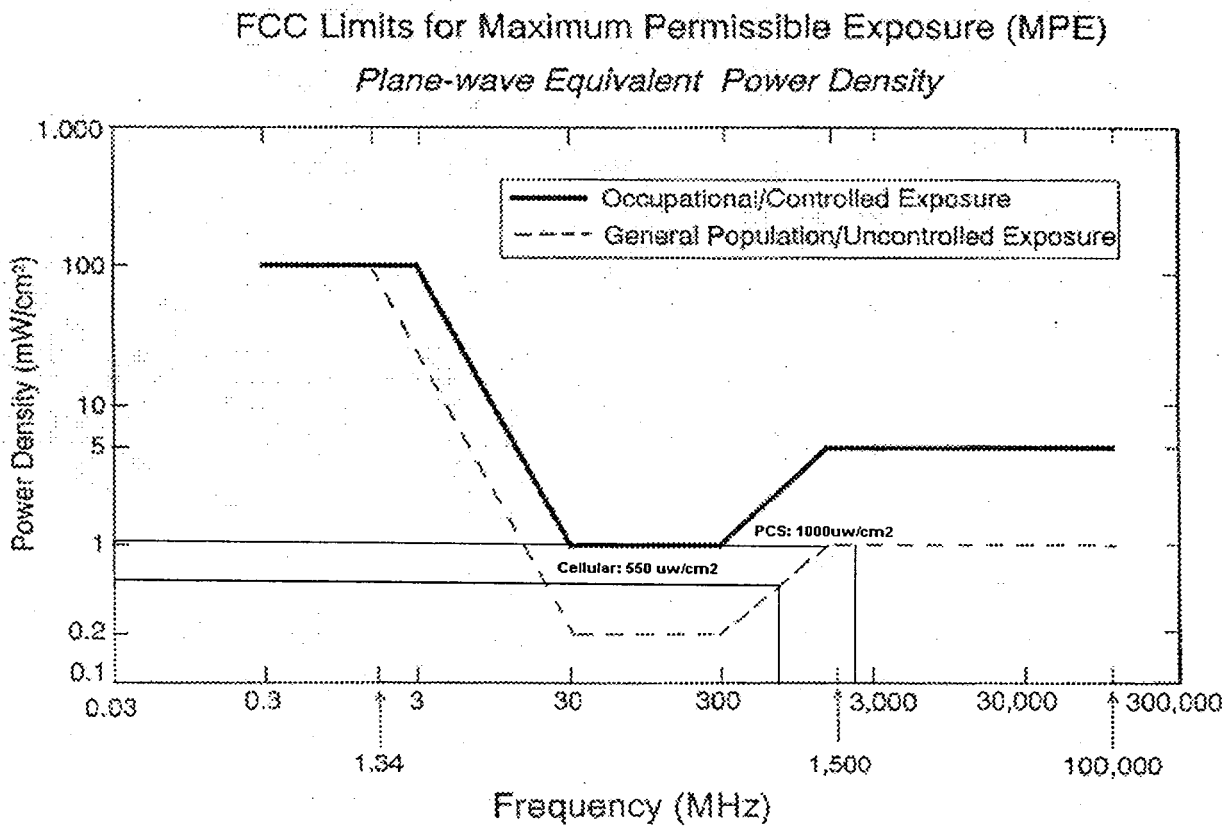
6. Conclusion

This analysis show that the maximum power density in accessible areas at this location is 0.003584 mW/cm^2, a level of RF energy that is well below the Maximum Permissible Exposure limit established by the FCC.

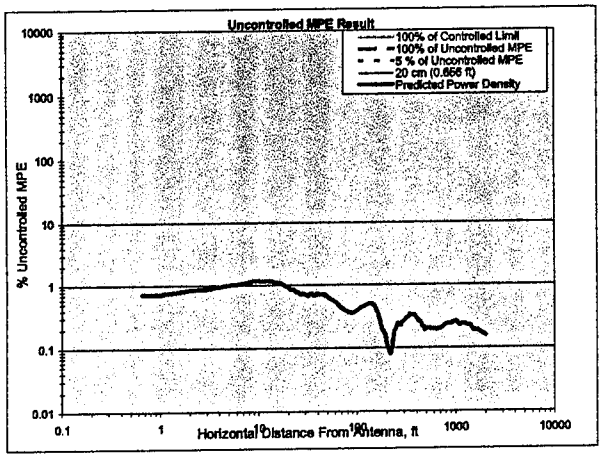
* The 3 dish antennas were not included on the analysis because it is only use for receiving signals.

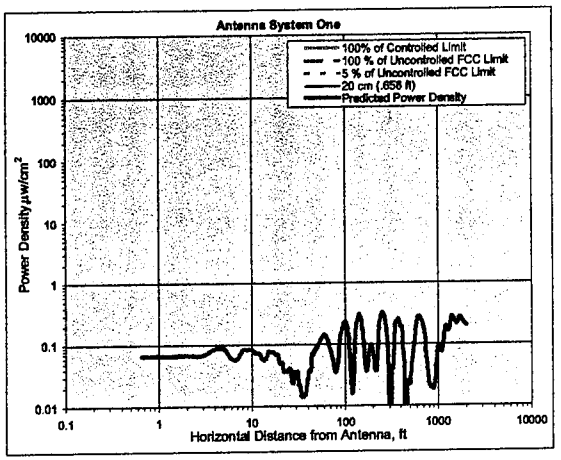
[2] 47 U.S. C. Section 332 (c) (7)(B)(iv) states that "[n]o State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that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

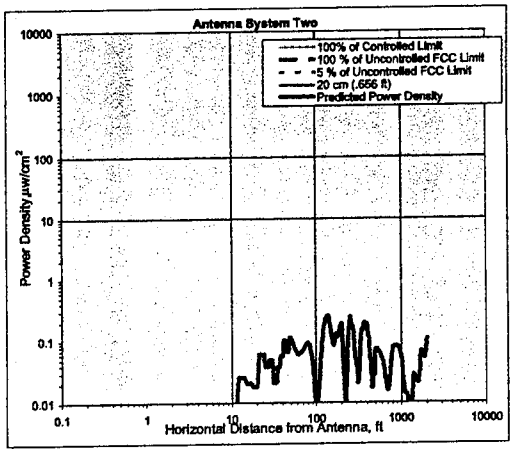
7. FCC Limits for Maximum Permissible Exposure



8. Exhibit A







Number of Antenna Systems: 17

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 Analysis Required.

	Power Density		@Horiz. Dist.
	mW/cm^2	% of limit	feet
Maximum Power Density =	0.003584	1.17	10.00
85.79 times lower than the MPE limit for uncontrolled environment			
Composite Power (ERP) =	17,750.00	Watts	

Site ID: 807-007-868
Site Name: Hebron North
Site Location: 115 Birch Mountain Road
Glastonbury CT 06033

Performed By: Galen Belen

Date: 9/27/02

Antenna System One

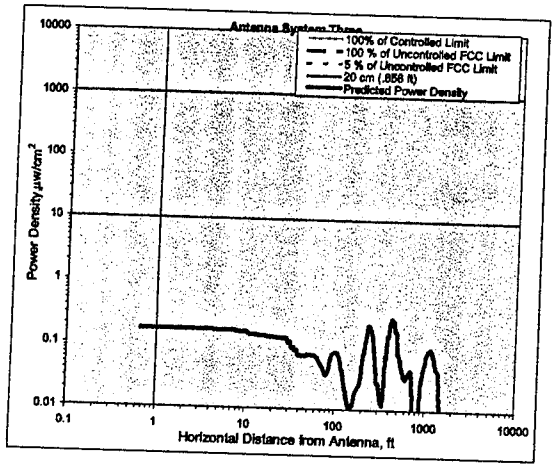
	units	Value
Frequency	MHz	1945.00
# of Channels	#	12
Max ERP/Ch	Watts	250.00
Max Pwr/Ch into Ant.	Watts	5.88
(Center of Radiator)	feet	130.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		Allgon 7250.03
Max Ant Gain	dBd	16.30
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	5.11
Ant HBW	degrees	65.00
Distance to Ant_{bottom}	feet	127.45
WOS?	Y/N?	n

Ant System ONE Owner: AT&T
Sector: 3
Azimuth: 30/140/270

Antenna System Two

	units	Value
Frequency	MHz	1930.00
# of Channels	#	12
Max ERP/Ch	Watts	250.00
Max Pwr/Ch into Ant.	Watts	9.08
(Center of Radiator)	feet	184.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		RR-90-17-02
Max Ant Gain	dBd	14.40
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	4.86
Ant HBW	degrees	90.00
Distance to Ant_{bottom}	feet	181.67
WOS?	Y/N?	n

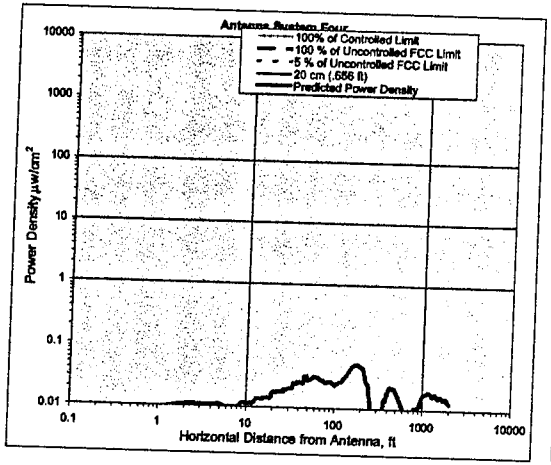
Ant System TWO Owner: Omnipoint
Sector: 3
Azimuth 30/150/270



Antenna System Three

	units	Value
Frequency	MHz	1990.00
# of Channels	#	12
Max ERP/Ch	Watts	500.00
Max Pwr/Ch Into Ant.	Watts	15.45
(Center of Radiator)	feet	170.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		DB980G90
Max Ant Gain	dBd	15.10
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	5.00
Ant HBW	degrees	90.00
Distance to Ant_{bottom}	feet	167.50
WOS?	Y/N?	n

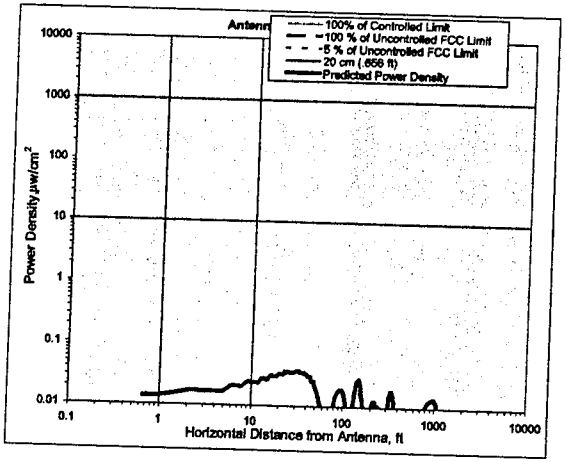
Ant System Three Owner: Sprint PCS
Sector: 3
Azimuth 30/150/270



Antenna System Four

	units	Value
Frequency	MHz	152.87
# of Channels	#	1
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	62.80
(Center of Radiator)	feet	200.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		DB264
Max Ant Gain	dBd	6.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	18.00
Ant HBW	degrees	360.00
Distance to Ant_{bottom}	feet	191.00
WOS?	Y/N?	n

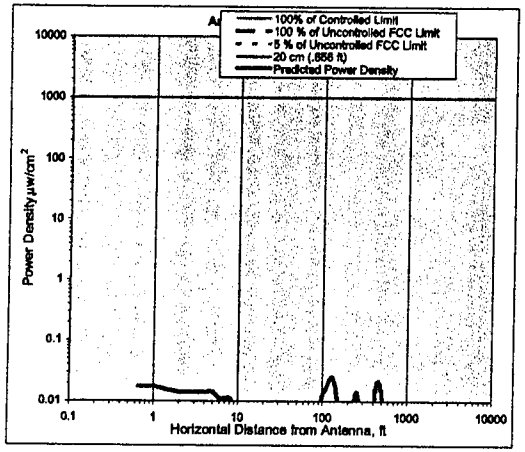
Ant System Four Owner: Tilcon Tomasso
Sector: 1
Azimuth: 360



Antenna System Five

	units	Value
Frequency	MHz	920.84
# of Channels	#	2
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	31.47
(Center of Radiator)	feet	200.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		DB809K
Max Ant Gain	dBd	9.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	12.00
Ant HBW	degrees	360.00
Distance to Ant_{bottom}	feet	194.00
WOS?	Y/N?	n

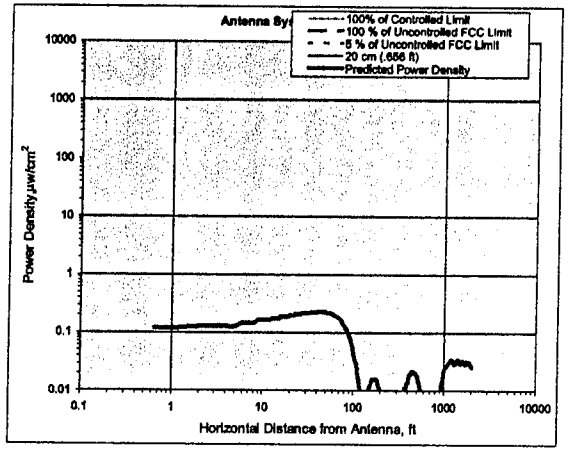
Ant System Five Owner: Arch Communications
Sector: 1
Azimuth: 360



Antenna System Six

	units	Value
Frequency	MHz	901.23
# of Channels	#	2
Max ERP/Ch	Watts	250.00
Max Pwr/Ch into Ant.	Watts	25.00
(Center of Radiator)	feet	200.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		DB810K-XC
Max Ant Gain	dBd	10.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	14.50
Ant HBW	degrees	360.00
Distance to Ant_{bottom}	feet	192.75
WOS?	Y/N?	n

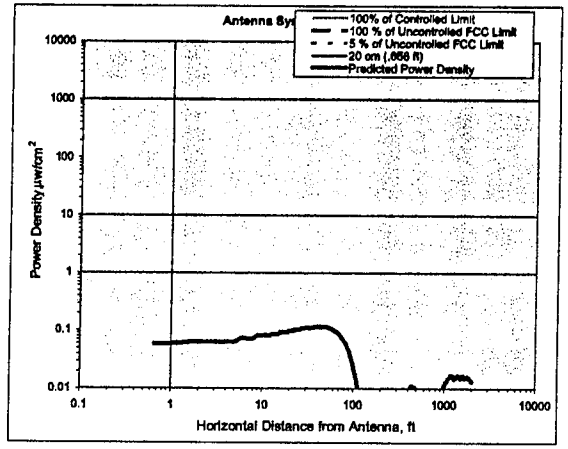
Ant System SIX Owner: SkyTel Corp.
Sector: 1
Azimuth: 360



Antenna System Seven

	units	Value
Frequency	MHz	454.45
# of Channels	#	2
Max ERP/Ch	Watts	250.00
Max Pwr/Ch into Ant.	Watts	31.47
(Center of Radiator)	feet	200.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		DB411-B
Max Ant Gain	dBd	9.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	12.00
Ant HBW	degrees	360.00
Distance to Ant_{bottom}	feet	194.00
WOS?	Y/N?	n

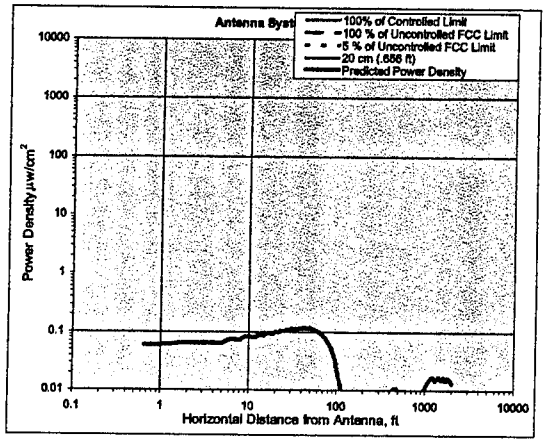
Ant System SEVEN Owner: Arch Communications
Sector: 1
Azimuth: 360



Antenna System Eight

	units	Value
Frequency	MHz	430.00
# of Channels	#	1
Max ERP/Ch	Watts	250.00
Max Pwr/Ch into Ant.	Watts	31.47
(Center of Radiator)	feet	200.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		DB411-B
Max Ant Gain	dBd	9.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	12.00
Ant HBW	degrees	360.00
Distance to Ant_{bottom}	feet	194.00
WOS?	Y/N?	n

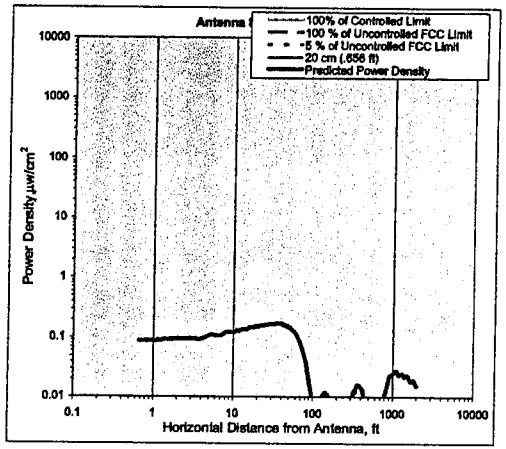
Ant System Eight Owner: US Drug
Sector: 1
Azimuth: 360



Antenna System Nine

	units	Value
Frequency	MHz	440.00
# of Channels	#	1
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	31.47
(Center of Radiator)	feet	199.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		DB411-B
Max Ant Gain	dBd	9.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	12.00
Ant HBW	degrees	360.00
Distance to Ant_{bottom}	feet	193.00
WOS?	Y/N?	n

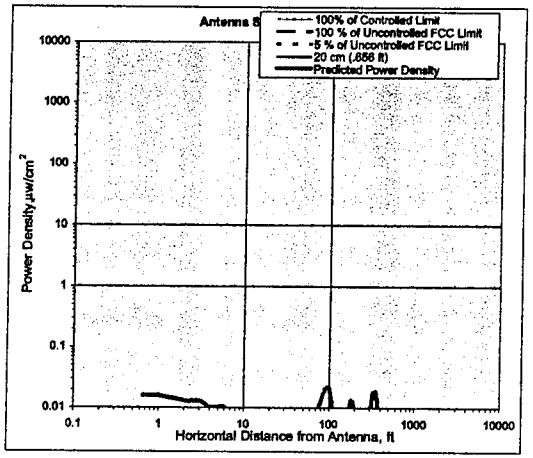
Ant System NINE Owner: Internal Revenue
Sector: 1
Azimuth: 360



Antenna System Ten

	units	Value
Frequency	MHz	463.85
# of Channels	#	1
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	31.47
(Center of Radiator)	feet	164.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		DB411-B
Max Ant Gain	dBd	9.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	12.00
Ant HBW	degrees	360.00
Distance to Ant_{bottom}	feet	158.00
WOS?	Y/N?	n

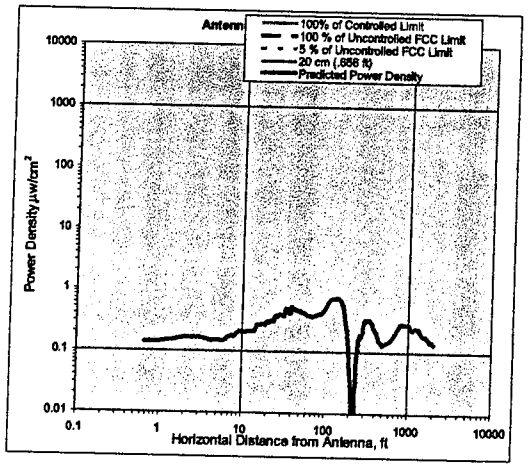
Ant System TEN Owner: Connecticut Radio
Sector: 1
Azimuth: 360



Antenna System Eleven

	units	Value
Frequency	MHz	859.91
# of Channels	#	1
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	25.00
(Center of Radiator)	feet	148.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		DB810K-XC
Max Ant Gain	dBd	10.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	14.50
Ant HBW	degrees	360.00
Distance to Ant_{bottom}	feet	140.75
WOS?	Y/N?	n

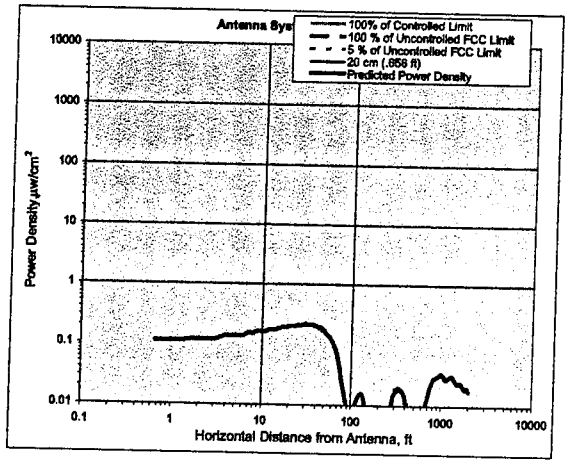
Ant System ELEVEN Owner: Federal Express
Sector: 1
Azimuth: 360



Antenna System Twelve

	units	Value
Frequency	MHz	152.60
# of Channels	#	4
Max ERP/Ch	Watts	500.00
Max Pwr/Ch into Ant.	Watts	125.59
(Center of Radiator)	feet	147.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		DB264
Max Ant Gain	dBd	6.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	18.00
Ant HBW	degrees	360.00
Distance to Ant_{bottom}	feet	138.00
WOS?	Y/N?	n

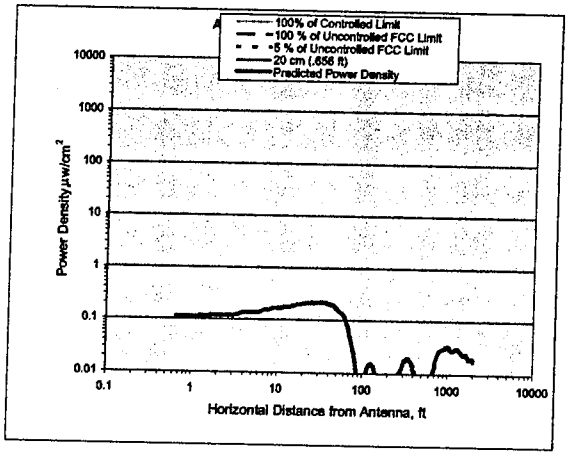
Ant System TWELVE Owner: Northeast Paging
Sector: 1
Azimuth: 380



Antenna System Thirteen

	units	Value
Frequency	MHz	452.18
# of Channels	#	1
Max ERP/Ch	Watts	250.00
Max Pwr/Ch into Ant.	Watts	31.47
(Center of Radiator)	feet	147.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		DB411-B
Max Ant Gain	dBd	9.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	12.00
Ant HBW	degrees	360.00
Distance to Ant_{bottom}	feet	141.00
WOS?	Y/N?	n

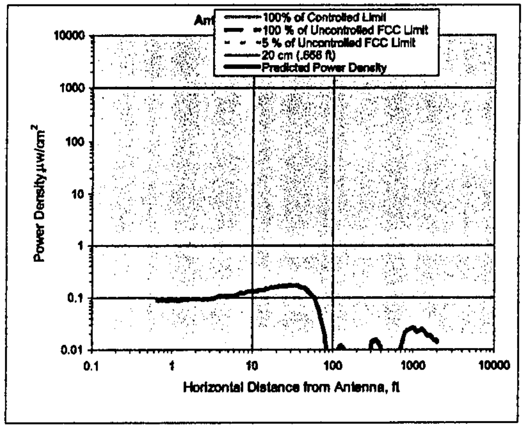
Ant System THIRTEEN Owner: Stamm Construction
Sector: 1
Azimuth: 380

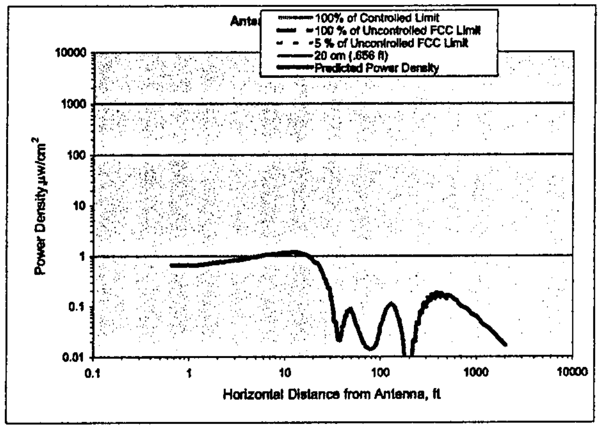


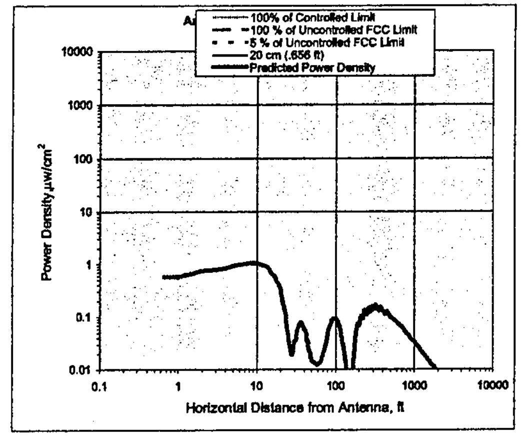
Antenna System Fourteen

	units	Value
Frequency	MHz	450.00
# of Channels	#	1
Max ERP/Ch	Watts	250.00
Max Pwr/Ch into Ant.	Watts	31.47
(Center of Radiator)	feet	146.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		DB411-B
Max Ant Gain	dBd	9.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	12.00
Ant HBW	degrees	360.00
Distance to Ant_{bottom}	feet	140.00
WOS?	Y/N?	n

Ant System FOURTEEN Owner: Unknown
Sector: 1
Azimuth: 380







Antenna System Fifteen

	units	Value
Frequency	MHz	450.00
# of Channels	#	1
Max ERP/Ch	Watts	200.00
Max Pwr/Ch Into Ant.	Watts	25.18
(Center of Radiator)	feet	146.00
Calculation Point	feet	0.00
(above ground or		0.00
roof surface)		0.00
Antenna Model No.		DB411-B
Max Ant Gain	dBd	9.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	12.00
Ant HBW	degrees	360.00
Distance to Ant_{bottom}	feet	140.00
WOS?	Y/N?	n

Ant System FIFTEEN Owner: Unknown
Sector: 1
Azimuth: 360

Antenna System Sixteen

	units	Value
Frequency	MHz	450.00
# of Channels	#	1
Max ERP/Ch	Watts	200.00
Max Pwr/Ch Into Ant.	Watts	25.18
(Center of Radiator)	feet	56.00
Calculation Point	feet	0.00
(above ground or		0.00
roof surface)		0.00
Antenna Model No.		DB411-B
Max Ant Gain	dBd	9.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	12.00
Ant HBW	degrees	360.00
Distance to Ant_{bottom}	feet	50.00
WOS?	Y/N?	n

Ant System SIXTEEN Owner: Unknown
Sector: 1
Azimuth: 360

Antenna System Seventeen

	units	Value
Frequency	MHz	450.00
# of Channels	#	1
Max ERP/Ch	Watts	100.00
Max Pwr/Ch Into Ant.	Watts	12.59
(Center of Radiator)	feet	42.00
Calculation Point	feet	0.00
(above ground or		0.00
roof surface)		0.00
Antenna Model No.		DB411-B
Max Ant Gain	dBd	9.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	12.00
Ant HBW	degrees	360.00
Distance to Ant_{bottom}	feet	36.00
WOS?	Y/N?	n

Ant System SEVENTEEN Owner: Unknown
Sector: 3
Azimuth: 360

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

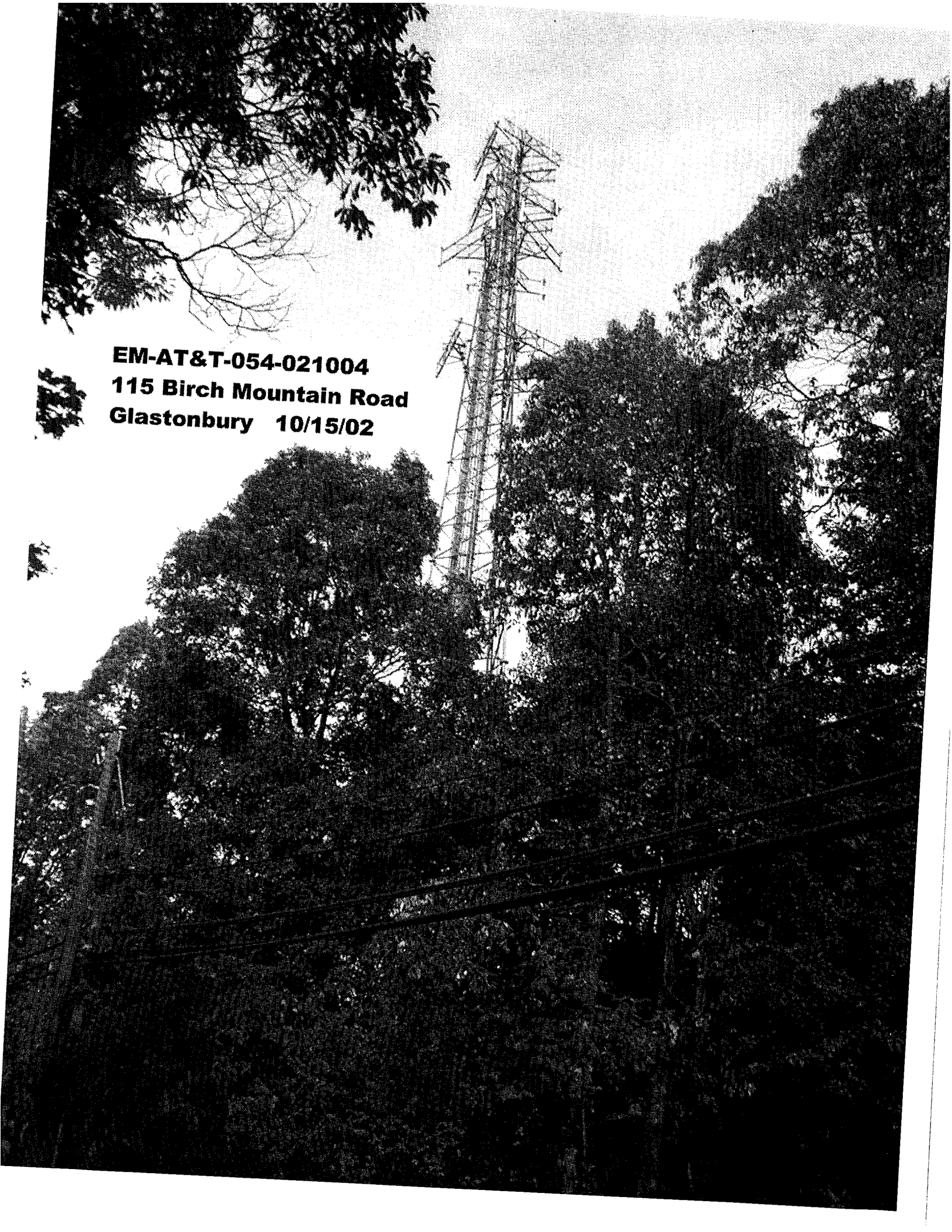
[1] The Communications Act of 1934, as amended by the Telecommunications Act of 1996, 47 U.S.C. Section 332 (c)(7)(B)(iv).

[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.


EM-AT&T-054-021004
115 Birch Mountain Road
Glastonbury 10/15/02

Connecticut Siting Council

Approved by Council _____
Date Complete: _____
Site visit required? _____

File I.D. EM-ATT-054-021004
Address 115 Birch Mountain Road
Glastonbury

Checklist for Exempt Modifications and Tower Sharing

1. Tower Owner Pinnacle Tower Height 199 Type SSL Total Height _____
2. Proposed Carrier AT&T
   Number of antennas 6 Type panel Height 130 Extension _____
   Other proposed equipment on tower: _____
   Proposed size/location of equipment building/cabinets: 2 new, 2 future cabs on conc pad
   Proposed site clearing/grading: _____
   Fence line modification: n/a
   Other proposed items: _____
3. Current carriers: VoiceStream 184 Power density %: _____
   Sprint 170
   NEXTEL 50
   Sky Tel 50
   Arch Comms 40
   Others various
4. Power density calculation: Proposed carrier percentage: 2.13 Cumulative percentage: 34.85
5. Town approval date (if necessary): _____ Town application date (if necessary): _____
6. Structural analysis: no mods necs.
7. Coordinates Latitude: 41-42-42 Longitude: 72-28-13 Elevation: _____
8. Town(s) CEO notified of application to Siting Council? cc to town mgr

Site Visit Information

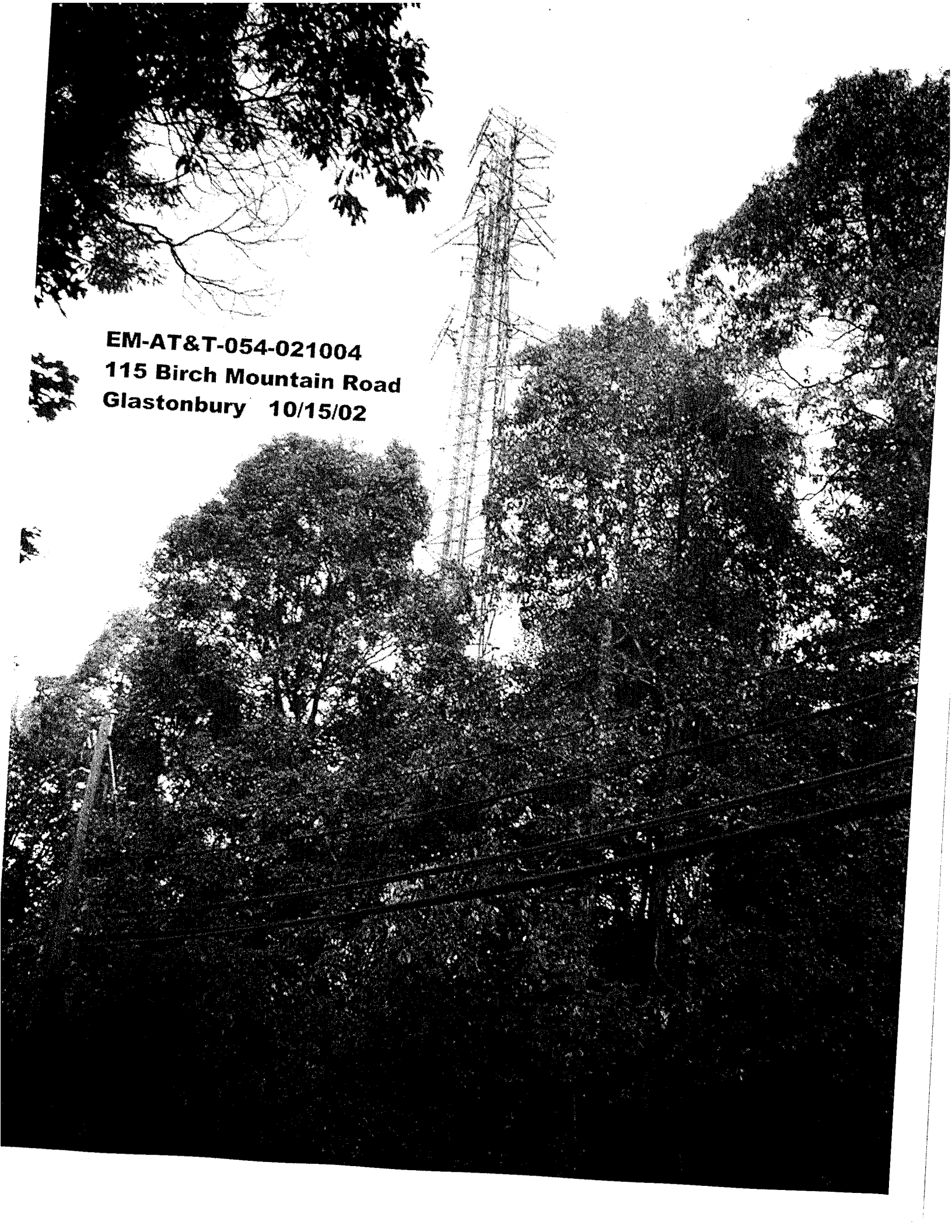
Date of visit: 10/15/02

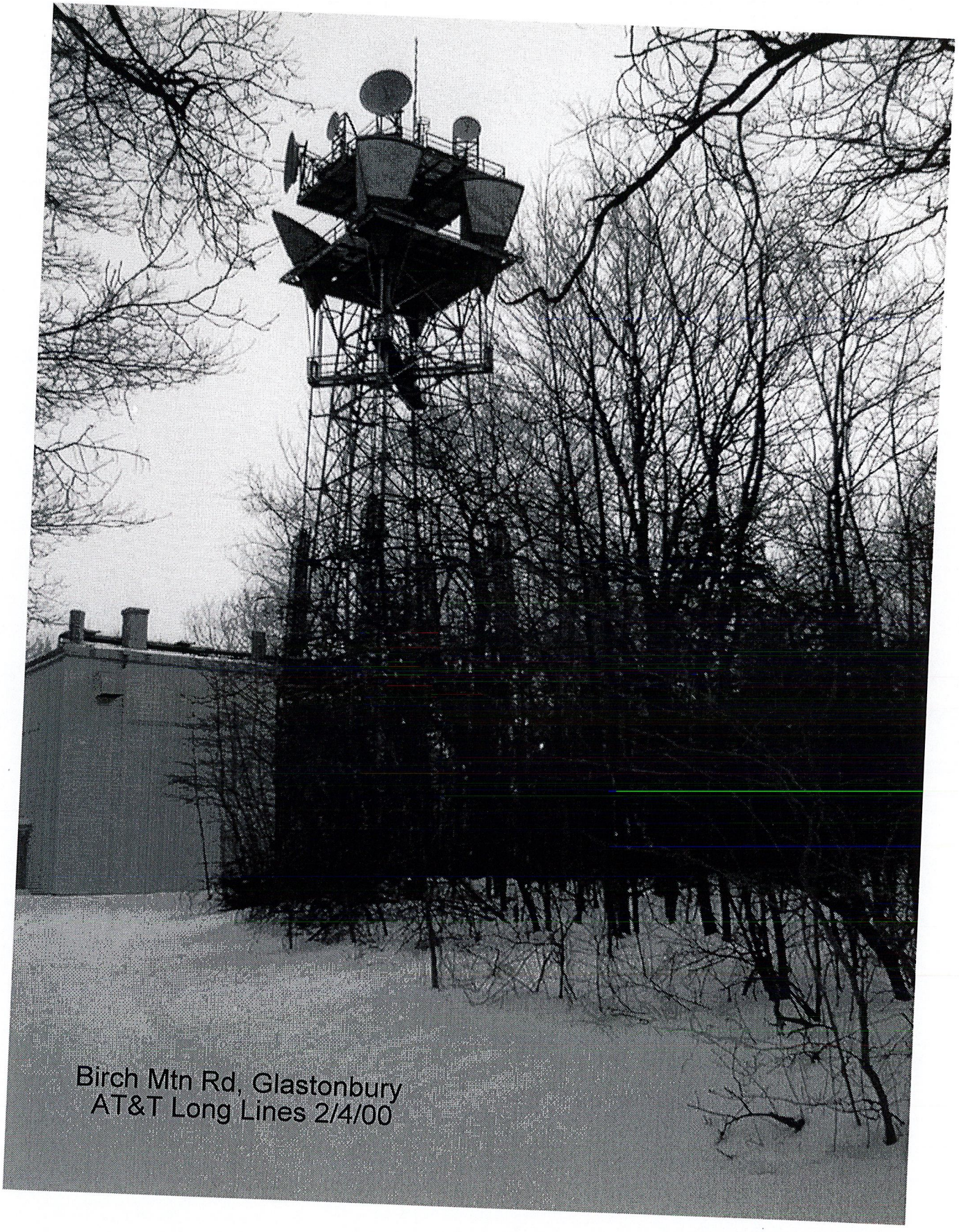
9. Description of site features, surrounding land uses, and sight lines:
area is rural resdl; subdivs closing in; one of several (at least 4) towers in same immediate area; near road; woods give some screening at least when leaves are out

Issues:

Filing Documentation for Meeting

1.
2.
3.
4.


EM-AT&T-054-021004
115 Birch Mountain Road
Glastonbury 10/15/02


Birch Mtn Rd, Glastonbury
AT&T Long Lines 2/4/00