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

May 9, 2002

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

RE: **EM-AT&T-014-020424** - AT&T Wireless notice of intent to modify an existing telecommunications facility located at 10 Sylvia Street, Branford, Connecticut.

Dear Attorney Fisher:

At a public meeting held on May 7, 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 April 24, 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/RKE/laf

c: Honorable Anthony J. DaRos, First Selectman, Town of Branford
Diane Ross, Inland Wetland Enforcement Officer, Town of Branford
Justine K. Gillen, Zoning Enforcement Officer, Town of Branford
Stephen J. Humes, Esq., LeBoeuf, Lamb, Greene & MacRae
Sandy M. Carter, Verizon Wireless

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EM-AT&T-014-020424
10 Sylvia Street
Branford 04/29/02

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
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Web Site: www.state.ct.us/csc/index.htm

April 26, 2002

Via Facsimile

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

RE: **EM-AT&T-014-020424** AT&T Wireless PCS, LLC d/b/a AT&T Wireless notice of intent to modify an existing telecommunications facility located at 10 Sylvia Street, Branford, CT.

Dear Atty. Fisher:

From the site plan for this notice it appears that AT&T will be expanding the fenced-in perimeter of the equipment compound at the base of this tower. Does this expansion represent an enlargement of the area leased by VoiceStream Communications?

Thank you for your assistance in this matter.

Sincerely,

David Martin
Siting Analyst I

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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 25, 2002

Via Facsimile

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

RE: **EM-AT&T-014-020424** AT&T Wireless PCS, LLC d/b/a AT&T Wireless notice of intent to modify an existing telecommunications facility located at 10 Sylvia Street, Branford, CT.

Dear Atty. Fisher:

For the above referenced filing, there is an engineer's seal on the last provided page of the structural analysis. However, it is unclear if this engineer is the author of the structural analysis. Please identify the author of this analysis.

Thank you for your assistance in this matter.

Sincerely,

David Martin
Siting Analyst I

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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 24, 2002

Honorable Anthony J. DaRos
First Selectman
Town of Branford
Town Hall
1019 Main Street
P. O. Box 150
Branford, CT 06405-0150

RE: **EM-AT&T-014-020424** – AT&T Wireless notice of intent to modify an existing telecommunications facility located at 10 Sylvia Street, Branford, Connecticut.

Dear Mr. DaRos:

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 May 7, 2002, at 1:30 p.m. in Hearing Room One, 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/esc

Enclosure: Notice of Intent

c: Justine K. Gillen, Zoning Enforcement Officer, Town of Branford
Diana Ross, Inland Wetland Enforcement Officer, Town of Branford

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NOTICE OF INTENT TO MODIFY AN EXISTING TELECOMMUNICATIONS FACILITY AT 10 SYLVIA STREET, BRANFORD, 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 10 Sylvia Street, Branford, Connecticut (the "Sylvia Street Facility"), owned by VoiceStream Communications ("VoiceStream"). AT&T Wireless and VoiceStream have agreed to share the use of the Sylvia Street Facility, as detailed below.

The Sylvia Street Facility

The Sylvia Street Facility in Branford consists of an approximately one hundred twenty-five (125) foot monopole (the "Tower") and associated equipment currently being used and/or leased for wireless communications by VoiceStream and Verizon. A chain link fence surrounds the Tower compound. The surrounding land uses are predominantly commercial.

AT&T Wireless' Facility

As shown on the enclosed plans prepared by Natcomm, LLC, including a site plan and tower elevation of the Sylvia 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 6 panel antennas at approximately the 100 foot level of the Tower and associated equipment cabinets (2 proposed, 2 future, each 76"H x 30" W x 30" D) on a concrete pad. As evidenced in the structural report prepared by Semaan Engineering Solutions, 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

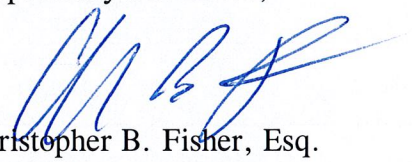
The proposed addition of AT&T Wireless' antennas and equipment to the Sylvia Street Facility constitutes an exempt "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d) and Council regulations promulgated pursuant thereto. Addition of AT&T Wireless' antennas 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 Nader Soliman, 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

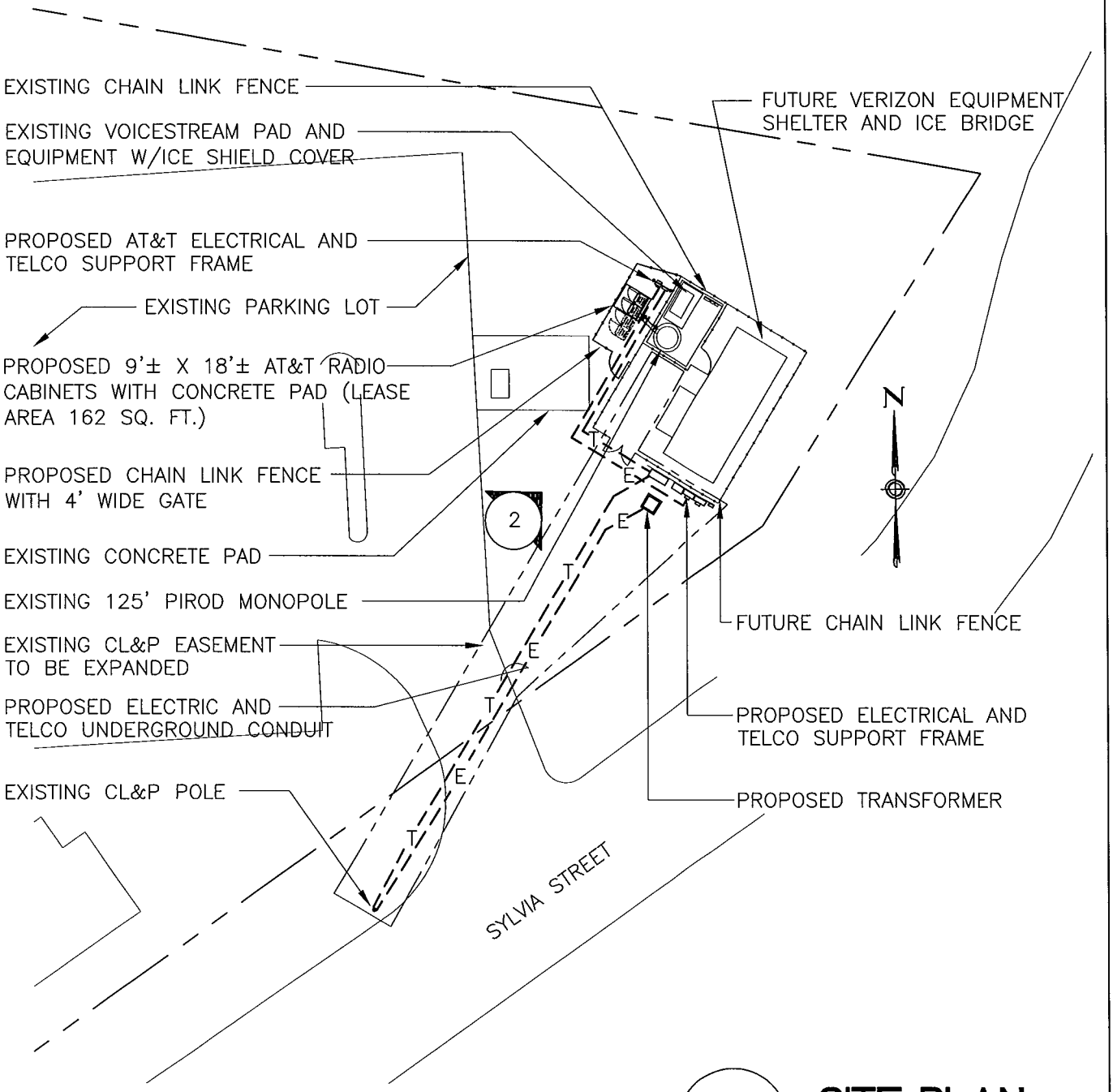
Accordingly, AT&T Wireless requests that the Connecticut Siting Council acknowledge that its proposed modification to the Sylvia Street Facility meets the Council's exemption criteria.

Respectfully Submitted,



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

cc: First Selectman, Town of Branford
Harold Hewett, Bechtel



1 **SITE PLAN**

SCALE: 1" = 30'

NOTE:
LATITUDE: 41° 17' 38.2"
LONGITUDE: 72° 47' 08.5"
COORDINATES WERE TAKEN WITH HAND HELD GPS

"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

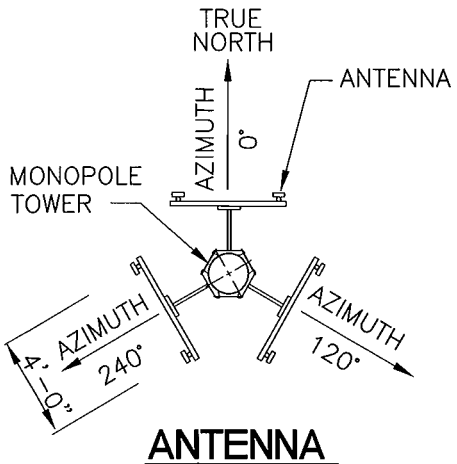
DRAWING TITLE: SITING COUNCIL

PROJECT INFORMATION:
BRANFORD STREAM
CT-199
10 SYLVIA STREET
BRANFORD, CT 06405

PROPERTY OWNER:
VOICESTREAM
16 WING DRIVE
CEDAR KNOLLS, NJ 07927

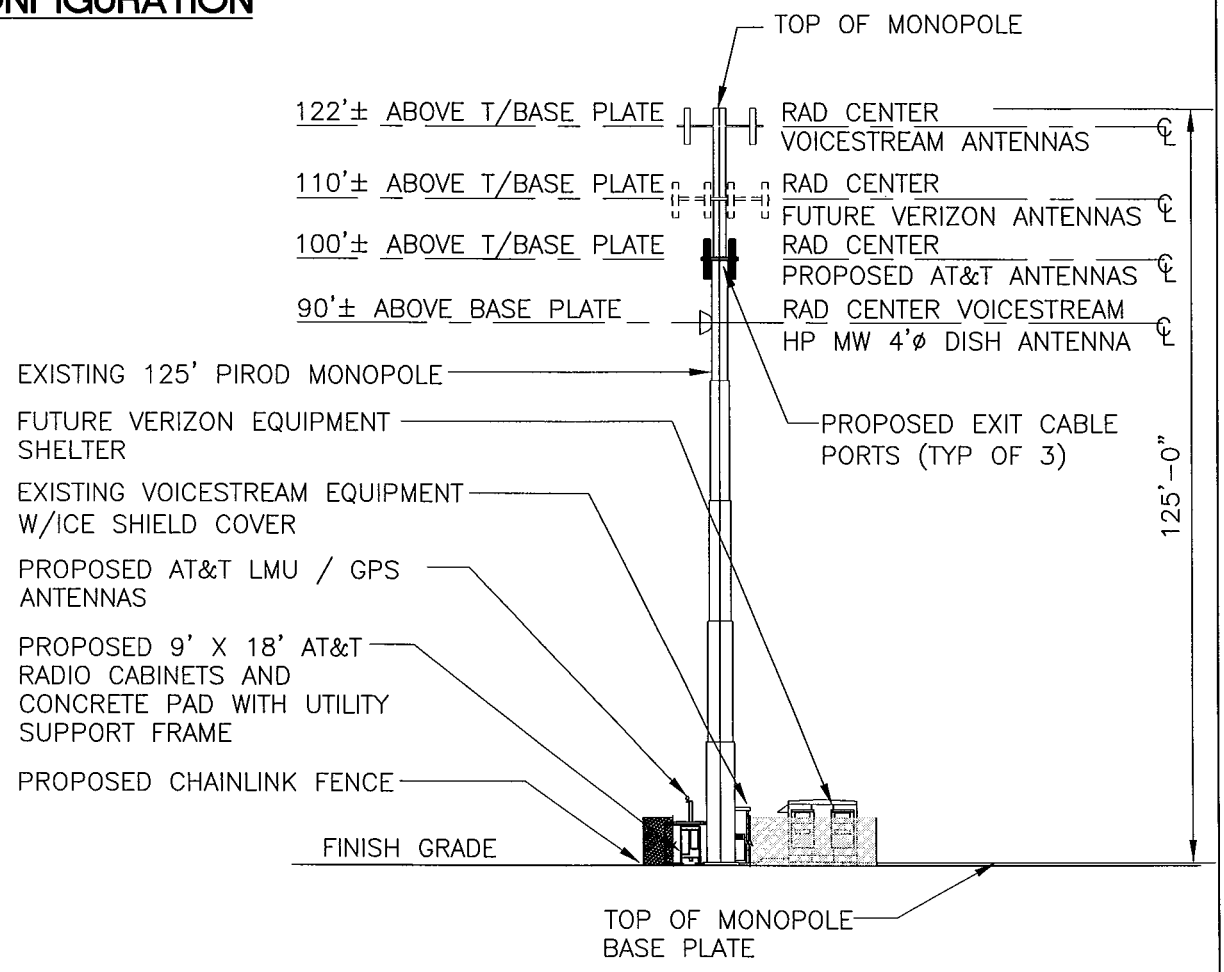
DRAWING NO. 3CO-CT199-SC01-0

REVISION NO. 0	DRAWN BY: CMS
DATE ISSUED: 03/19/02	CHECKED BY: JBA
SCALE: AS NOTED	APPROVED BY: JJP
	SHEET NO. 1 OF 2
A/E PROJECT NO: 477A	



ANTENNA CONFIGURATION

FOR TOWER ANALYSIS SEE REPORT PREPARED BY
SEMAAN ENGINEERING SOLUTIONS
1047 N. 204th AVENUE
ELKHORN, NE 68022
(402) 289-1888
SITE NO. CT11025B - BRANFORD, CT
DATED: 8/30/2001
REF. PIROD DRAWING 204417-B
DATED 1/14/1999
CERTIFIED BY ALVIN A. KRAFT PE
(CT LIC. No. 20787)



2 **TOWER ELEVATION**
SCALE: 1"=30'

"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	DRAWING NO. 3CO-CT199-SC02-0
PROJECT INFORMATION: BRANFORD STREAM CT-199 10 SYLVIA STREET BRANFORD, CT 06405	REVISION NO. 0 / DRAWN BY: CMS DATE ISSUED: 03/19/02 / CHECKED BY: JBA SCALE: AS NOTED / APPROVED BY: JJP SHEET NO. 2 OF 2
PROPERTY OWNER: VOICESTREAM 16 WING DRIVE CEDAR KNOLLS, NJ 07927	A/E PROJECT NO: 477A

CT-199

1047 N. 204th Avenue
Elkhorn, NE 68022
402-289-1888
Fax-333-8577

SEMAAN ENGINEERING SOLUTIONS

125 ft PIROD Monopole
Structural Analysis

Prepared for:
VoiceStream Wireless
1500 N.E. Irving, Suite 530
Portland, OR 97232

Site: CT11025B \Branford \AT&T \Verizon
Branford, CT

APPROVED
WFW 9/13/2001

August 30, 2001

Ms. Jennifer Jones
VoiceStream Wireless
1500 N.E. Irving, Suite 530
Portland, OR 97232

Re: Site Number CT11025B – Branford, CT.

Dear Ms. Jones:

We have completed the structural analysis for the existing monopole, located at the above referenced site. The purpose of this analysis is to determine that the existing monopole design is in conformance with the EIA/TIA-222-F standard for the proposed antennae loads installation. Refer to the Review and Recommendations section at the end of this report for the analysis results.

Description of Structure:

The structure is a 125 ft PIROD Monopole.

Refer to PIROD drawing 204417-B dated January 14, 1999 for a detailed description of the structure.

Method of analysis:

The tower was analyzed using Semaan Engineering Solutions' software suite for communication structures. The structural analysis is performed using the SAPS finite element engine. The method is 3D, non-linear, which accounts for the second order geometric effects due to the displacements. The analysis was performed in conformance with **EIA/TIA-222-F for 85 mph with 1/2" radial ice.** Wind is applied to the structure, accessories and antennas.

Structure loading:
Per the loading sheet supplied, the analysis was performed using the following loading: (Proposed loading in bold)

Elev. (ft)	Qty.	Antennas and Mounts	Coax	Owner
122.0	12	RR65-19-00XP Mounted On (1) Low Profile platform	(24) 1-5/8	Voicestream
110.0	**12**	**DB844H90 Mounted On (1) Low Profile platform**	**(12) 1-5/8**	**Verizon**
100.0	**12**	**DAPA 58210 Mounted On (1) Low Profile platform**	**(12) 1-1/4**	**AT&T**
90.0	1	HP MW Dish, 4' Dia.	(1) 1-5/8	Voicestream

All new access holes shall be reinforced with welded rims that are compatible with the pole and to be sized and supplied by pole manufacturer.

All future Voicesream transmission line are assumed running inside of pole shaft. The proposed AT&T and Verizon transmission lines are assumed to be banded tightly to the outer face of the pole shaft.

Results of Analysis:
Refer to the attached Computer Summary sheets for detailed analysis results.

Structure:
The existing monopole is structurally capable of supporting the existing and proposed antennas. The maximum structure usage is: 69.3%.

Foundation:

Pole Reactions	Original Design Reactions	Current Analysis Reactions	% Of Design
Moment (ft-kips)	1,601.80	1,598.73	99.8

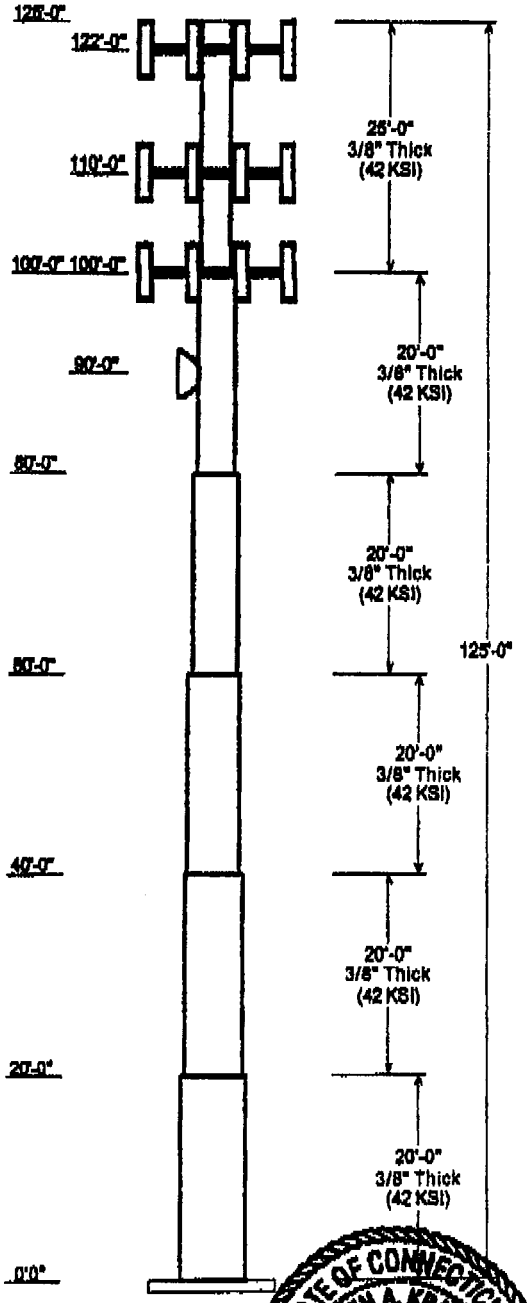
The structure base reactions resulting from this analysis do not exceed the ones shown on the original structure drawings.

Review and Recommendations:

Based on the analysis results, the existing structure meets the requirements per the EIA/TIA-222-F standards for a basic wind speed of 85 mph with 1/2" radial ice.

Job Information

Pole :	CT11025B
Description :	
Client :	VoiceStream Wireless-OR
Location :	Branford, CT
Type :	Round Stepped Pole
Height :(ft)	125.000 Taper: 0.0000 (in/ft)



Sections Properties

Shaft Section	Section Length (ft)	Diameter (in) Across Flats Top	Bottom	Thick (in)	Joint Type	Overlap Length (in)	Steel Grade (ksi)
1	20.000	54.00	54.00	0.375		0.000	42
2	20.000	48.00	48.00	0.375	Butt Joint	0.000	42
3	20.000	42.00	42.00	0.375	Butt Joint	0.000	42
4	20.000	36.00	36.00	0.375	Butt Joint	0.000	42
5	20.000	30.00	30.00	0.375	Butt Joint	0.000	42
6	25.000	24.00	24.00	0.375	Butt Joint	0.000	42

Discrete Appurtenance

Attach Elev (ft)	Force Elev (ft)	Type	Qty	Description
122.000	122.000	Platform	1	Low Profile platform
122.000	122.000	Panel	12	RR65-19-00XP
110.000	110.000	Platform	1	Low Profile platform
110.000	110.000	Panel	12	DB844H90
100.000	100.000	Platform	1	Low Profile platform
100.000	100.000	Panel	12	DAPA 58210
90.000	90.000	Dish	1	HP MW Dish, 4' Dia.

Linear Appurtenance

Elev (ft) From	To	Description	Exposed To Wind
0.000	100.0	(12) 1 1/4" Coax	No
0.000	110.0	(12) 1 5/8" Coax	Yes

Load Cases / Deflections

Load Case	Attach Elev (ft)	Translation (in)	Rotation (deg)
No Ice	No Ice Wind Speed = 85.00 mph w/ No Ice		
	122.000	26.83	-1.845
	110.000	22.23	-1.503
	100.000	18.54	-1.716
	90.000	15.07	-1.587
Ice	Ice Wind Speed = 73.61 mph w/ Ice 0.50 in Thick.		
	122.000	22.51	-1.549
	110.000	18.68	-1.514
	100.000	15.56	-1.449
	90.000	12.64	-1.332
Twist/Sway	Twist/Sway Wind Speed = 30.00 mph w/ No Ice		
	122.000	9.29	-0.639
	110.000	7.69	-0.624
	100.000	6.42	-0.594
	90.000	5.21	-0.549

Reactions

Load Case	Moment (Kip-ft)	Shear (Kips)	Axial (Kips)
No Ice	1,566.727	18.926	-25.801
Ice	1,335.861	15.653	-34.155
Twist/Sway	553.214	6.548	-25.815

STATE OF CONNECTICUT ALVIN A. KRAFT No. 20757 LICENSED PROFESSIONAL ENGINEER

8-31-01

RF Exposure Analysis for Proposed AT&T Wireless Antenna Facility

SITE ID: 913-008-199

April 10, 2002

Prepared by AT&T Wireless Services, Inc.
Nader Soliman **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 *10 Sylvia Street, Branford, CT 06405.* 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: ***Branford Stream***	
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)	100.00 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 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 0.001083 mW/cm^2 which occurs at 120 feet from the antenna facility. The chart in exhibit A also shows that the power density is only 0.000190 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	0.001083 mW/cm^2
PCS	1 mW/cm^2	5 mW/cm^2	

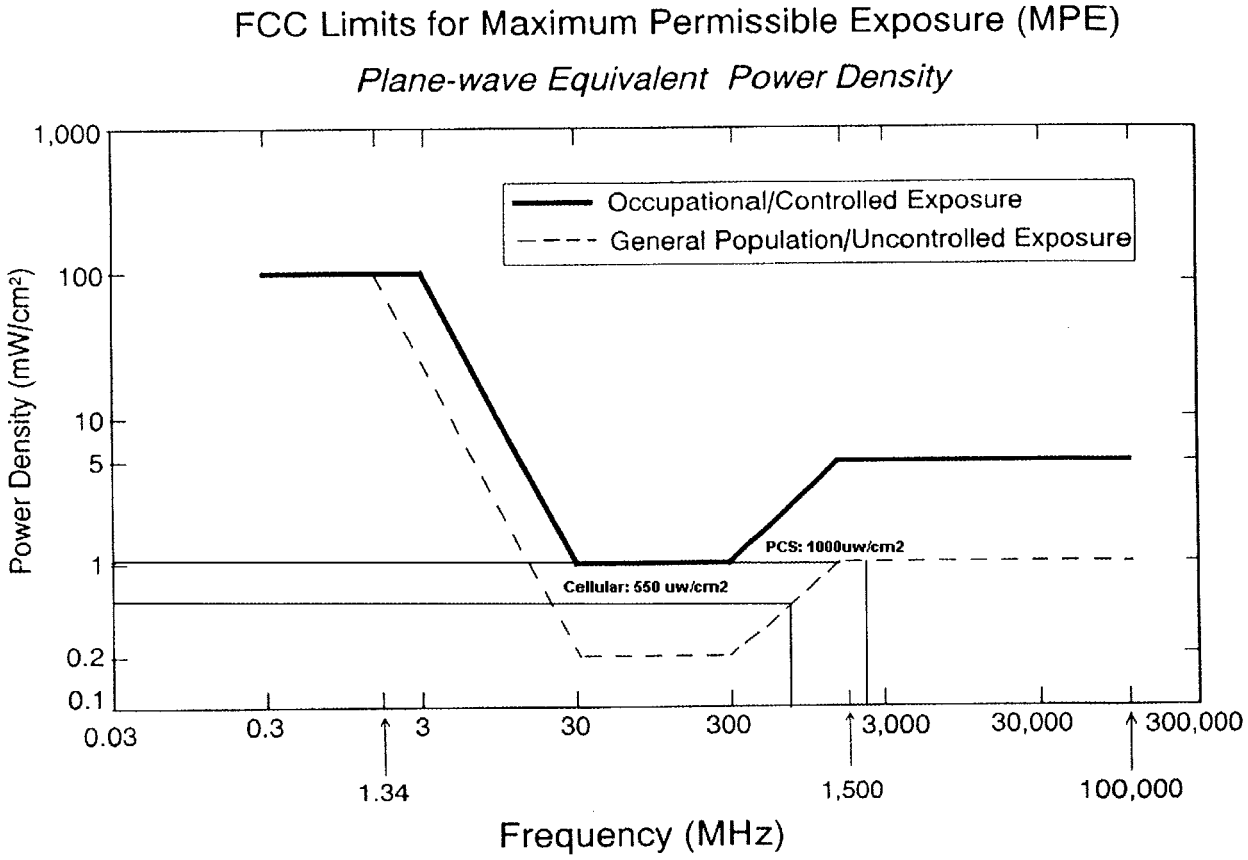
The maximum power density at the proposed facility represents only 0.11% of the public MPE limit for PCS frequencies.

6. Conclusion

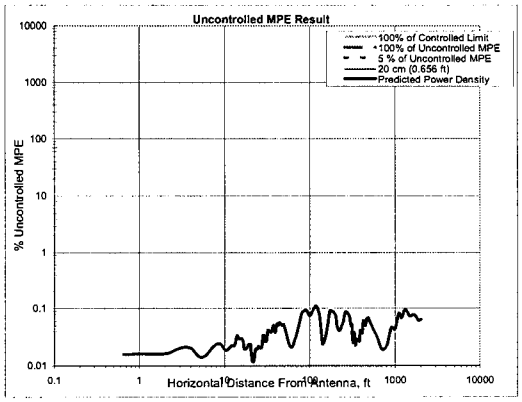
This analysis show that the maximum power density in accessible areas at this location is 0.001083 mW/cm^2, a level of RF energy that is well below the Maximum Permissible Exposure limit established by the FCC.

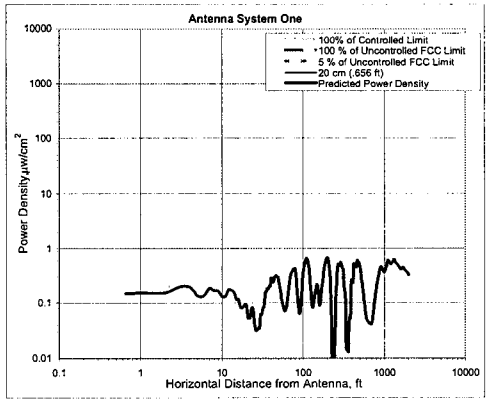
[2] 47 U.S. C. Section 332 (c) (7)(B)(iv) states that "[n]o State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that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

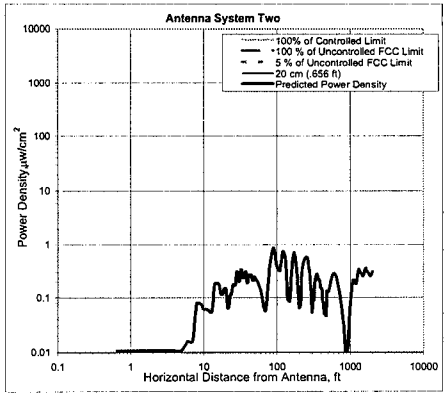
7. FCC Limits for Maximum Permissible Exposure



8. Exhibit A







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.
	mW/cm^2	% of limit	feet
Maximum Power Density =	0.001083	0.11	120.00
923.59 times lower than the MPE limit for uncontrolled environment			
Composite Power (ERP) = 13,000.00 Watts			

Site ID: 913-008-199
Site Name: Branford Stream
Site Location: 10 Sylvia Street
Branford, CT 06405

Performed By: Nader Soliman

Date: 4/10/2002

Antenna System One

	units	Value
Frequency	MHz	1945.00
# of Channels	#	16
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	5.86
(Center of Radiator)	feet	100.00
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	97.45
WOS?	Y/N?	n

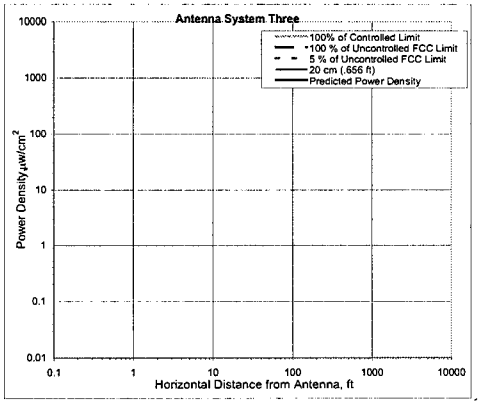
Ant System ONE Owner: AT&T
Sector: 3
Azimuth: 0/120/240

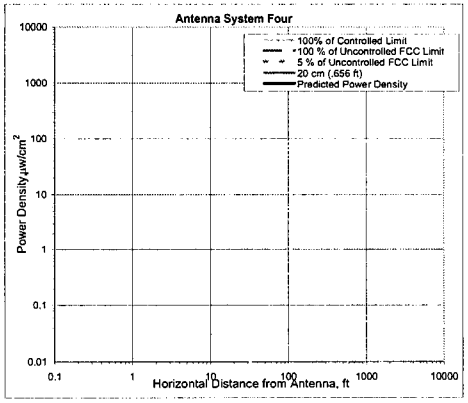
Antenna System Two

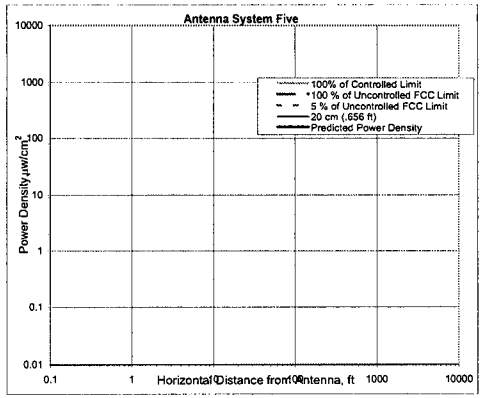
	units	Value
Frequency	MHz	1865.20
# of Channels	#	16
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	9.08
(Center of Radiator)	feet	122.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		RR901702
Max Ant Gain	dBd	14.40
Down tilt	degrees	0.00
Miscellaneous Att	dB	0.00
Height of aperture	feet	4.66
Ant HBW	degrees	90.00
Distance to Ant_{bottom}	feet	119.67
WOS?	Y/N?	n

Ant System TWO Owner: VoiceStream
Sector: 3
Azimuth 0/120/140

0







Antenna System Three

	units	Value
Frequency	MHz	10616.00
# of Channels	#	1
Max ERP/Ch	Watts	5000.00
Max Pwr/Ch Into Ant.	Watts	0.50
(Center of Radiator)	feet	90.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		Channel Master
Max Ant Gain	dBd	40.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	4.00
Ant HBW	degrees	1.90
Distance to Ant_{bottom}	feet	88.00
WOS?	Y/N?	n

Ant System Three Owner: Voicstream (MW Hop)
Sector: 0
Azimuth 0

Antenna System Four

	units	Value
Frequency	MHz	0.00
# of Channels	#	0
Max ERP/Ch	Watts	0.00
Max Pwr/Ch Into Ant.	Watts	#N/A
(Center of Radiator)	feet	0.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		0.00
Max Ant Gain	dBd	#N/A
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	#N/A
Ant HBW	degrees	#N/A
Distance to Ant_{bottom}	feet	#N/A
WOS?	Y/N?	n

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

Antenna System Five

	units	Value
Frequency	MHz	0.00
# of Channels	#	0
Max ERP/Ch	Watts	0.00
Max Pwr/Ch Into Ant.	Watts	#N/A
(Center of Radiator)	feet	0.00
Calculation Point (above ground or roof surface)	feet	0.00
		0.00
		0.00
Antenna Model No.		0.00
Max Ant Gain	dBd	#N/A
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	#N/A
Ant HBW	degrees	#N/A
Distance to Ant_{bottom}	feet	#N/A
WOS?	Y/N?	n

Ant System Five Owner: 0
Sector: 0
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.