

CUDDY & FEDER & WORBY LLP

90 MAPLE AVENUE
WHITE PLAINS, NEW YORK 10601-5196

(914) 761-1300

TELECOPIER (914) 761-5372/6405

www.cfvlaw.com

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

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FISHKILL, NEW YORK 12524
(845) 896-2229
TELECOPIER (845) 896-3672

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DANIEL F. LEARY (also CT)
BARRY E. LONG

September 20, 2002

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SEP 24 2002

CONNECTICUT
SITING COUNCIL

VIA FEDERAL EXPRESS

Ms. Pauline Redmond
Land Use Coordinator
Town of Harwinton
Town Hall 100 Bently Drive
Harwinton, Connecticut 06791

Re: AT&T Wireless Co-location (EM-AT&T-066-020726)
123 Campville Hill Road, Harwinton, Connecticut

Dear Ms. Redmond:

On behalf of AT&T Wireless, enclosed please find a copy of its Notice of Exempt Modification submitted to the Connecticut Siting Council pursuant to the Public Utility Environmental Standards Act, Connecticut General Statutes § 16-50g et. seq. and Sections 16-50j-72(b) of the Regulations of Connecticut State Agencies. In addition, we enclose the Siting Council's formal acknowledgement of AT&T's Notice of Exempt Modification dated August 16, 2002. We are forwarding the enclosed as a courtesy in furtherance of AT&T's application to co-locate at the above referenced facility which we understand was referred to the Harwinton Zoning Commission for review at its September 23rd meeting.

We are aware that Sprint originally received special permit and site plan approval from Harwinton to build the existing telecommunications facility on June 26, 2000. However, based upon recent changes in the law, jurisdiction over such telecommunication towers in the State of Connecticut now rests exclusively with the Connecticut Siting Council. As such, AT&T's proposed co-location is now subject to Siting Council approval as opposed to local zoning requirements.

CUDDY & FEDER & WORBY LLP

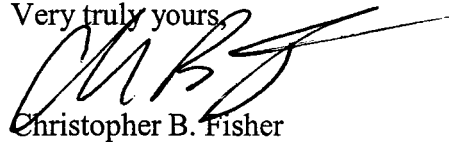
September 20, 2002

Page 2

Nevertheless and as evidenced in the enclosed, AT&T's proposed co-location on the facility is fully consistent with the Zoning Commission's prior approval which contemplated co-location by other carriers. As such, we request that the Board confirm same at its September 23rd meeting and that it authorize any zoning or building permits to be issued by respective Town Officials.¹ A representative of AT&T Wireless will be present at the meeting to address any questions or concerns you or the Commission may have.

Thank you for your consideration of the foregoing.

Very truly yours,



Christopher B. Fisher

CBF/lg

Enclosure

cc: Derek Phelps, Connecticut Siting Council
Carmen Chapman, AT&T Wireless
Rob Stanford, Northstar

¹ Please note that Sprint, subsequent to the Council's acknowledgment, made the 157' foot height on the tower available to AT&T in lieu of the originally proposed 137' height which would provide greater overall coverage in the area for AT&T. There is sufficient structural capacity in the tower for the antenna change as confirmed in a structural and the attached signed sealed executive summary. Additionally, the emissions analysis previously done for the tower facility assuming a 137' height would be even more conservative given the relative increase in height of AT&T's antennas and reduction in emissions at grade. As such, these changes are diminimis and by copy of this letter to the Council, we are requesting that they be handled administratively with a copy of this letter to the Council's file.

1. EXECUTIVE SUMMARY

This report summarizes the structural analysis of the existing 177' monopole located on 123 Campville Hill Road in Harwinton, Connecticut. The analysis was conducted in accordance with the TIA/EIA-222-E standard for wind velocity of 85 mph bare and 74 mph concurrent with ½" ice. The antenna loading considered in the analysis consists of all existing and proposed antennas, transmission lines, and ancillary items as outlined on the following page of this report. The proposed AT&T modification is to add the antennas listed below:

(12) Allgon 7250.03 antennas with AT&T @ 157' elevation
 low profile platform and (12) 1 5/8"
 coax cables within the monopole

The results of the analysis indicate the structure to be in compliance with the proposed loading condition for the monopole. The monopole is considered feasible with the TIA/EIA-222-E wind load classification specified above and all the existing and proposed antenna loading. No further analysis was conducted on the tower foundation since the forces calculated were below the original design.

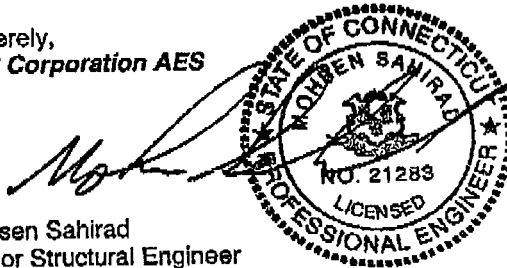
This analysis is based on:

- 1) The tower structure's theoretical capacity not including any assessment of the condition of the tower.
- 2) Tower and foundation design prepared by Paul J. Ford and Company job no. 29200-1123 approved August 4, 2000.
- 3) Antenna inventory as specified on the following page of this report.
- 4) TIA/EIA-222-E wind load classification.

This report is only valid as per the assumptions and data utilized in this report for antenna inventory, mounts and associated cables. The user of this report shall field verify the assumption of the antenna and mount configuration and that adequate space is available for routing the coaxial cable inside the monopole prior to installation. Notify the engineer immediately if any of the assumptions in this report are found to be other than specified.

If you should have any questions, please call.

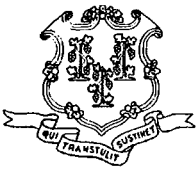
Sincerely,
 URS Corporation AES



Mohsen Sahirad
 Senior Structural Engineer

MS/rmn

cc: Don Huntley - Bechtel
 Naish Artaiz - URS
 D.R. - URS
 A.A. - URS
 CF/Book



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

August 16, 2002

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

RE: **EM-AT&T-066-020726** - AT&T Wireless PCS, LLC d/b/a AT&T Wireless notice of intent to modify an existing telecommunications facility located at 123 Campville Hill Road, Harwinton, Connecticut.

Dear Attorney Fisher:

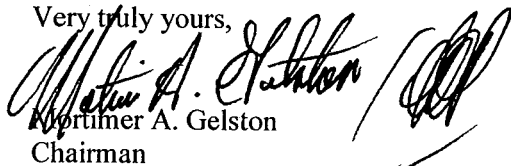
At a public meeting held on August 15, 2002, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice received in our office July 26, 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/laf

c: Honorable Marie M. Knudsen, First Selectman, Town of Harwinton
William J. Tracy, Jr., Planning Chairman, Town of Harwinton
Julie M. Donaldson, Esq., Hurwitz & Sagarin
Stephen J. Humes, Esq., LeBoeuf, Lamb, Greene & MacRae

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CUDDY & FEDER & WORBY LLP AUG 13 2002

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www.cfwlaw.com

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FISHKILL, NEW YORK 12524
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MATYANN M. PALERMO
ROBERT C. SCHNEIDER
LOUIS H. TAJFERA

August 13, 2002

BY FAX (860) 827-2950

Hon. Mortimer Gelston, Chairman, and

Members of the Siting Council

Connecticut Siting Council

10 Franklin Square

New Britain, Connecticut 06051

Re: EM-AT&T-066-020726

Dear Chairman Gelston and Members of the Siting Council:

On July 25, 2002, we filed a Notice of Exempt Modification on behalf of AT&T with respect to the above-mentioned matter which is on the Council's agenda for acknowledgment this Thursday, August 15 (Item No. 29). AT&T has just advised me that they would prefer a 12' x 28' shelter on the site as set forth in the enclosed exhibit. This as opposed to the 12' x 20' shelter as part of their original filing. All other aspects of the filing remain the same and we respectfully request that AT&T's Exempt Modification, as modified herein, be acknowledged by the Council.

Thank you for your consideration of the foregoing.

Very truly yours,


Christopher B. Fisher

CBF/bj

CUDDY & FEDER & WORBY LLP

August 13, 2002
Page 2

Enclosure
cc: Rob Stanford, Northstar

EXISTING SITE AREA
OF POND

PROPOSED AREA
12'-0" x 22'-0"
CONCRETE PAD

EXISTING MULTIPLEXER
AND SITE HOUSE
CONCRETE

EXISTING CONCRETE
PAD

EXISTING SITE AREA

EXISTING CONCRETE
LINK FENCE

EXISTING SITE
EQUIPMENT PAD

EXISTING SITE
ICE DRAINAGE

EXISTING WEST-STREAM
PAD

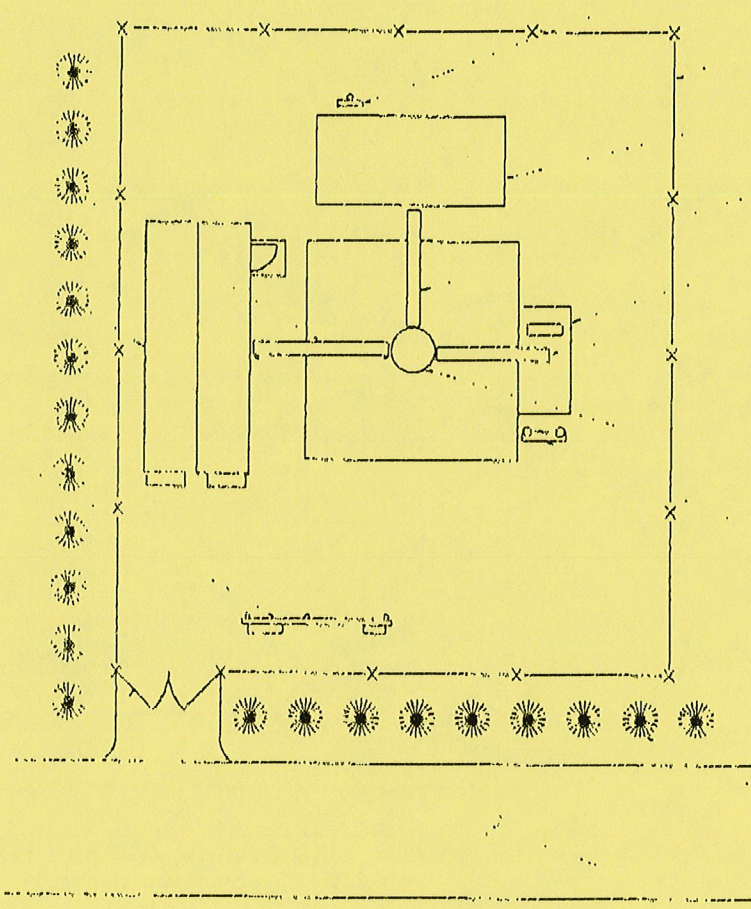
EXISTING WEST-STREAM
ICE DRAINAGE

EXISTING NORTH-ICE

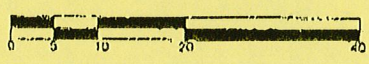
EXISTING WEST-STREAM
POWER HO-PO

EXISTING DITCH
(TOP OF 21)

EXISTING ACCESS DRIVE



1 COMPOUND PLAN
SC-1 SCALE: 1" = 20'-0"



ISSUED FOR SITING COUNCIL

LATITUDE: 41.7367 (NAD 83)	
LONGITUDE: 73.0574 (NAD 83)	
DRAWING TITLE 913 DDB-L10 SC1	
REVISION NO. 1	DRAWN BY: KJP
DATE ISSUED: 08/13/02	CHECKED BY: JPT
SCALE: AS NOTED	APPROVED BY:
URS JOB NO. F501924.41	SHEET NO. 1 OF 2

URS
URS CORPORATION-ACS
700 BALBOA BOULEVARD, BLDG 5
DUNELLY HILL, CT 06037
1 (800) 451-9911
1 (860) 534-6600

AT&T
AT&T WIRELESS PCS LLC
12 UNION SQUARE
SPRINGFIELD, CONNECTICUT 06902

DRAWING TITLE: COMPOUND PLAN
PROJECT INFORMATION: HARTINGTON-CAMPVILLE
CY-18
123 CAMPVILLE HILL ROAD
HARTINGTON, CONNECTICUT
PROPERTY OWNER: SPRINT RITTS USA
515 EAST CHILSCENT AVENUE
RAMBLEY, NJ 07416



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
Fax: (860) 827-2950

July 29, 2002

Honorable Marie M. Knudsen
First Selectman
Town of Harwinton
Town Hall
100 Bentley Drive
Harwinton, CT 06791

RE: **EM-AT&T-066-020726** - AT&T Wireless PCS, LLC d/b/a AT&T Wireless notice of intent to modify an existing telecommunications facility located at 123 Campville Hill Road, Harwinton, Connecticut.

Dear Ms. Knudsen:

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 August 15, 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/laf

Enclosure: Notice of Intent

c: William J. Tracy, Jr., Planning Chairman, Town of Harwinton

CUDDY & FEDER & WORBY LLP

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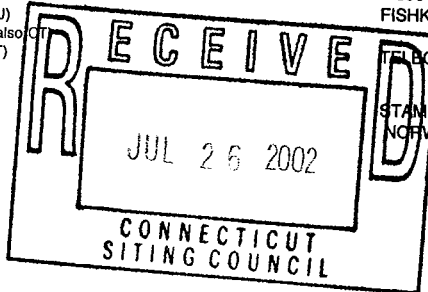
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NORWALK, CONNECTICUT

CUDDY & FEDER
1971-1995

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JOSHUA E. KIMERLING (also CT)
DANIEL F. LEARY (also CT)
BARRY E. LONG



July 25, 2002

Via Federal Express
Hon. Mortimer Gelston
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Enclosed please find an original plus twenty four copies of the following applications:

1. Exempt Modification Application for 101 Pierce Road, Preston, CT with the requisite \$500 filing fee check; and
2. Exempt Modification Application for 123 Campville Hill Road, Harwinton, CT with the requisite \$500 filing fee check.

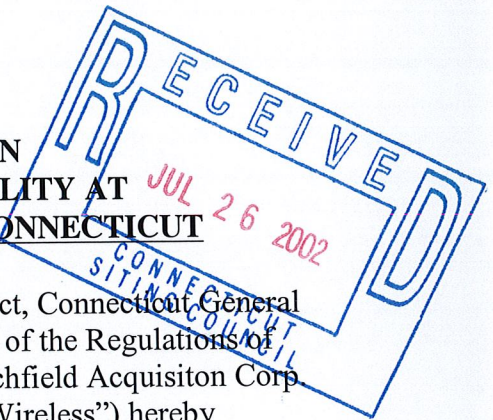
Thank you in advance for your consideration of the enclosed applications.

Very truly yours,


Christopher B. Fisher

CBF:dt
Enclosures

**NOTICE OF INTENT TO MODIFY AN
EXISTING TELECOMMUNICATIONS FACILITY AT
123 CAMPVILLE HILL ROAD, HARWINTON, 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, Litchfield Acquisition Corp and 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 123 Campville Hill Road, Harwinton, Connecticut (the "Campville Hill Road Facility"), owned by Sprint Sites USA ("Sprint"). AT&T Wireless and Sprint have agreed to share the use of the Campville Hill Road Facility, as detailed below.

The Campville Hill Road Facility

The Campville Hill Road Facility consists of an approximately one hundred seventy seven (177) foot monopole (the "Tower") and associated equipment currently being used for wireless communications by Sprint and Voicestream. A chain link fence surrounds the Tower compound.

AT&T Wireless' Facility

As shown on the enclosed plans prepared by URS Corporation, including a compound plan and tower elevation of the Campville Hill Road Facility, AT&T Wireless proposes shared use of the Facility by placing antennas on the Tower and an equipment shelter at grade needed to provide cellular and personal communications services ("PCS"). AT&T Wireless will install 12 panel antennas at approximately the 137 foot level of the Tower and a 12' x 20' equipment building within the fenced compound. As evidenced in the structural analysis prepared by URS Corporation, 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

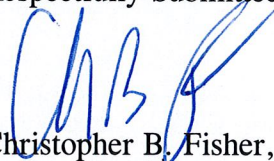
The proposed addition of AT&T Wireless' antennas and equipment to the Campville Hill Road Facility constitutes an exempt "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d) and Council regulations promulgated pursuant thereto. Addition of AT&T Wireless' 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 more at the Tower site's boundary. As set forth in an Emissions Report prepared by Nader Soliman, RF 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

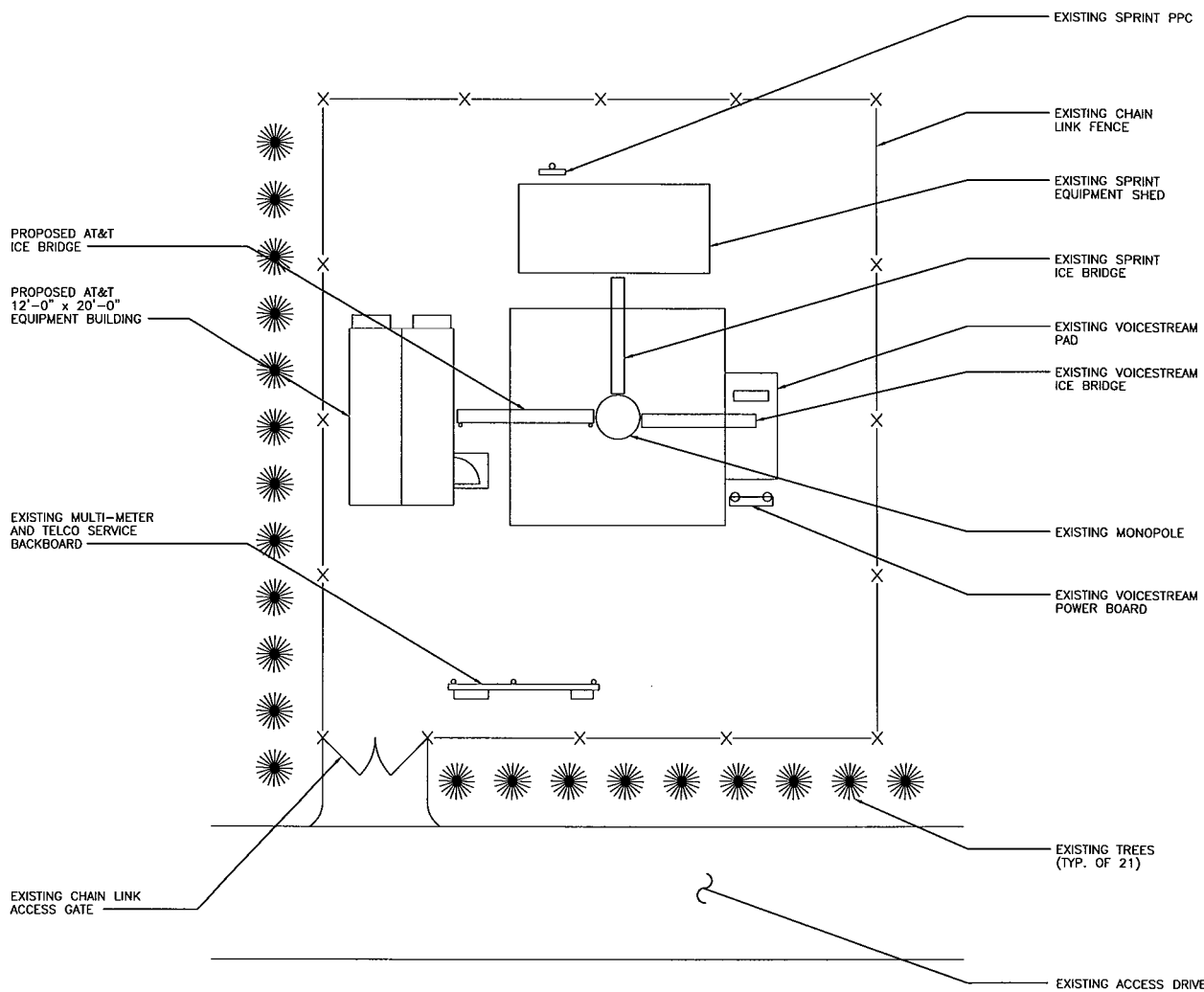
Accordingly, AT&T Wireless requests that the Connecticut Siting Council acknowledge that its proposed modification to the Campville Hill Road Facility meets the Council's exemption criteria.

Respectfully Submitted,

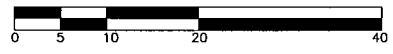
A handwritten signature in blue ink, appearing to read 'CBF', is written over the printed name.

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

cc: Marie Knudsen, First Selectman, Town of Harwinton



1 COMPOUND PLAN
 SC-1 SCALE: 1" = 20'-0"



ISSUED FOR SITING COUNCIL

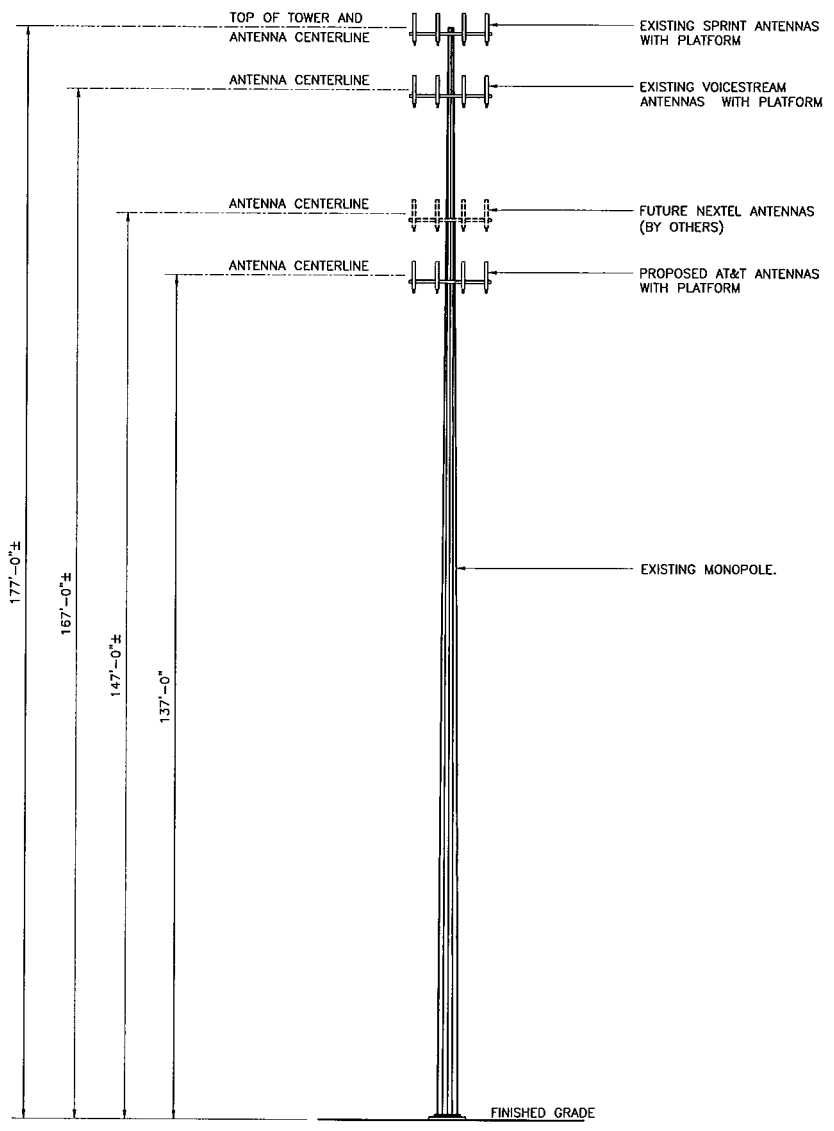
LATITUDE: 41.7367 (NAD 83)
 LONGITUDE: 73.0974 (NAD 83)

URS
 URS CORPORATION-AES
 795 BROOK STREET, BLDG 5
 ROCKY HILL, CT. 06067
 1-(860)-529-8882
 1-(860)-529-5566 (FAX)

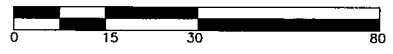

AT&T
 AT&T WIRELESS PCS LLC
 12 OMEGA DRIVE
 STAMFORD, CONNECTICUT 06902

DRAWING TITLE: COMPOUND PLAN
PROJECT INFORMATION: HARWINGTON-CAMPVILLE CT-L18
 123 CAMPVILLE HILL ROAD
 HARWINGTON, CONNECTICUT
PROPERTY OWNER: SPRINT SITES USA
 535 EAST CRESCENT AVENUE
 RAMSEY, NJ 07446

DRAWING TITLE: 913-008-L18-SC1	
REVISION NO. 0	DRAWN BY: JGB
DATE ISSUED: 07/15/02	CHECKED BY: JCF
SCALE: AS NOTED	APPROVED BY:
SHEET NO. 1 OF 2	
URS JOB NO.: F301924.40	




1 TOWER ELEVATION
 SC-2 SCALE: 1" = 30'-0"



ISSUED FOR SITING COUNCIL

LATITUDE:	41.7367 (NAD 83)
LONGITUDE:	73.0974 (NAD 83)

URS
 URS CORPORATION-AES
 795 BROOK STREET, BLDG 5
 ROCKY HILL, CT. 06067
 1-(860)-529-8882
 1-(860)-529-5566 (FAX)

 **AT&T**
 AT&T WIRELESS PCS LLC
 12 OMEGA DRIVE
 STAMFORD, CONNECTICUT 06902

DRAWING TITLE: TOWER ELEVATION
PROJECT INFORMATION: HARWINGTON-CAMPVILLE
 CT-L18
 123 CAMPVILLE HILL ROAD
 HARWINGTON, CONNECTICUT
PROPERTY OWNER: SPRINT SITES USA
 535 EAST CRESCENT AVENUE
 RAMSEY, NJ 07446

DRAWING TITLE: 913-008-L18-SC2	
REVISION NO. 0	DRAWN BY: JGB
DATE ISSUED: 07/15/02	CHECKED BY: JCF
SCALE: AS NOTED	APPROVED BY:
	SHEET NO. 2 OF 2
URS JOB NO.: F301924.40	



July 15, 2002

Mr. Mortimer A. Gelston
Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

**Reference: Proposed Telecommunications Facility
AT&T Site No.: L18
123 Campville Hill Road
Harwington, Connecticut
F300001924.40**

Dear Mr. Gelston:

URS Corporation (URS) conducted a review and evaluated the existing 177' monopole structure located at 123 Campville Hill Road in Harwington, Connecticut. The purpose of this review was to evaluate the affect of the proposed AT&T Wireless antennas and mount on the monopole structure. The monopole and its foundation were designed by Paul J. Ford and Company, Job No.: 29200-11238, dated August 4, 2000. The structure is designed to support three telecommunications carriers between the elevations of 157' - 177'. The tower currently supports two carriers at the 167' and 177' antenna center elevations. Nextel is proposed (by others) at the 147' antenna center elevation. The proposed AT&T antennas and mount considered in this review are as listed below:

Antenna and Mount	Carrier	Antenna Center Elevation
(12) Allgon 7250.03 on a low profile antenna platform with (12) 1 5/8" coax cables within the monopole	AT&T	137'

This evaluation is based on the requirements that all carrier antenna cables are to be placed within the monopole. It is our determination that the existing monopole and its foundation have sufficient structural capacity to support the existing carriers, the carrier proposed by others and the AT&T installation as specified above. This evaluation is based on requirements of the TIA/EIA-222-F dated March 1996 and the Connecticut State Building Code dated 1999 and the latest supplement and amendments.

If you should have any questions, please call.

Sincerely,

URS Corporation AES


Ignacio C. Artaz, AIA
Group Manager Telecommunications

ICA/mks



cc: Donald Huntley, P.E. - Bechtel Telecommunications
Christopher Fisher - Cuddy Feder Worby
Douglas J. Roberts, AIA - URS
Alitz Abadjian, PM - URS
CF/Book

URS Corporation
500 Enterprise Drive, Suite 3B
Rocky Hill, CT 06067
Tel: 860.529.8882
Fax: 860.529.3991



RF Exposure Analysis for Proposed AT&T Wireless Antenna Facility

SITE ID: L18

July 23, 2002

**Prepared by AT&T Wireless Services, Inc.
Nader Soliman RF Engineer**

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1. Introduction

This report constitutes an RF exposure analysis for the proposed AT&T Wireless antenna facility to be located at 123 Campville Hill Road, Harwinton, CT 0679. 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: Harwinton	
Number of simultaneously operating channels	12
Type of antenna	DAPA 3980.025
Power per channel (Watts ERP)	250.0 Watts
Height of antenna (feet AGL)	137.00 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:

$$PowerDensity = \frac{0.64 * 1.64 * N * ERP(\theta)}{\pi * R^2} (mW/cm^2) \quad Eq. 1-Far-field$$

Where, N = Number of channels, R = distance in cm from the RC (Radiation Center) of antenna, and $ERP(\theta)$ = The power of a half wave dipole expressed in milliwatts in the direction of prediction point. This is the correct equation for antennas which have their gain expressed in dBd.

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

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 (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 0.001454 mW/cm² which occurs at 140 feet from the antenna facility. The chart in exhibit A also shows that the power density is only 0.000192 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	0.001454 mW/cm ²
PCS	1 mW/cm ²	5 mW/cm ²	

The maximum power density at the proposed facility represents only 0.24% of the public MPE limit for PCS frequencies.

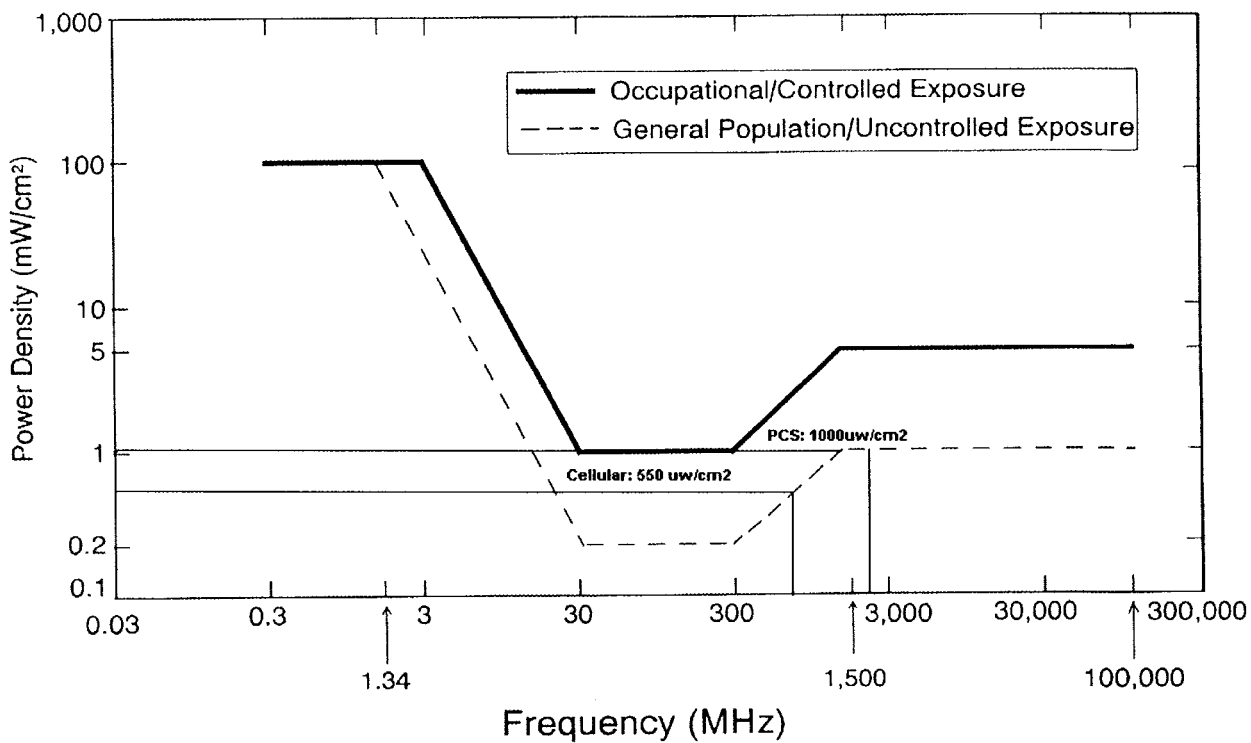
6. Conclusion

This analysis show that the maximum power density in accessible areas at this location is 0.001454 mW/cm², a level of RF energy that is well below the Maximum Permissible Exposure limit established by the FCC.

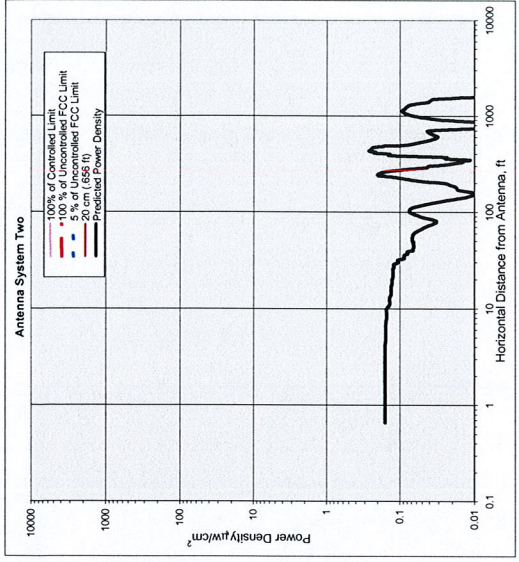
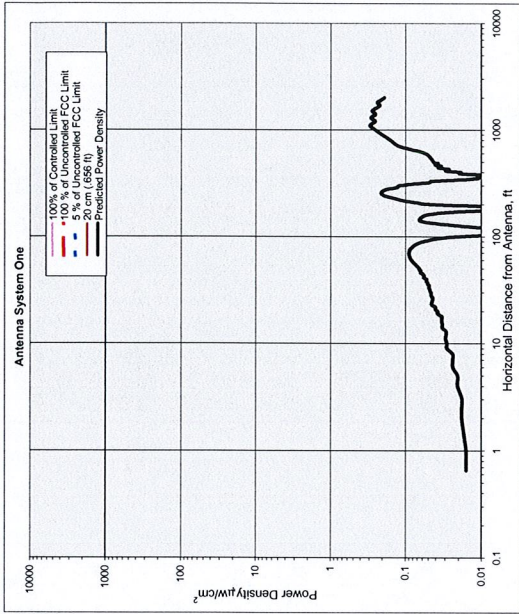
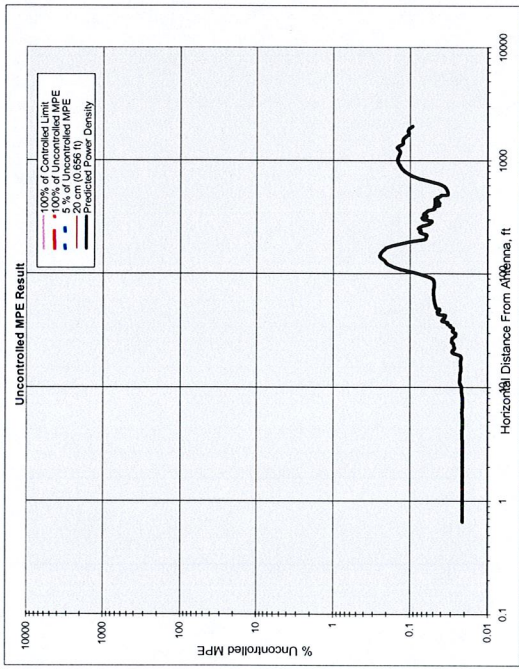
² 47 U.S. C. Section 332 (c) (7)(B)(iv) states that “[n]o State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that such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



Number of Antenna Systems: 4

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	mW/cm ²	@Horiz. Dist.
Maximum Power Density =	0.001454	0.24
412.83 times lower than the MPE limit for uncontrolled environment		
Composite Power (ERP) =	16,000.00	Watts

Site ID: L18
 Site Name: Hanwinton
 Site Location: 123 Campville Hill Road
 Hanwinton, CT 06791

Performed By: Nader Soliman
 Date: July 23, 2002

Antenna System One

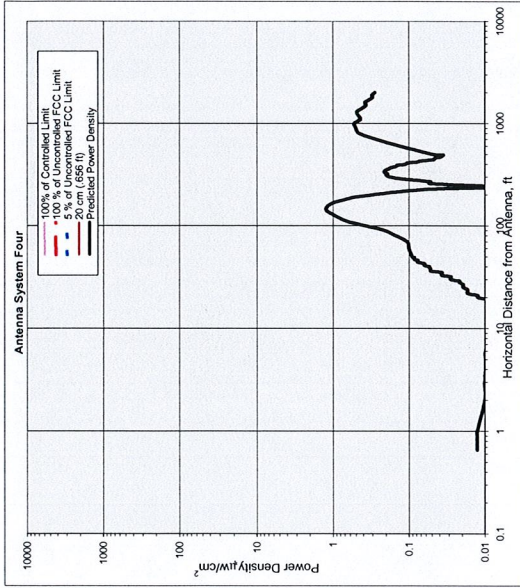
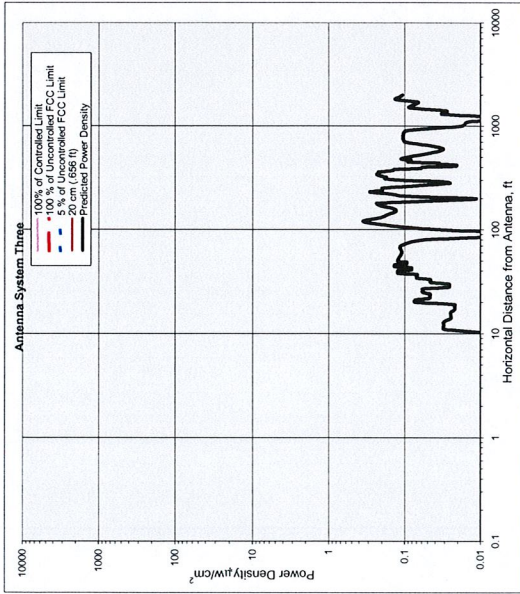
Frequency	units	Value
# of Channels	MHz	880.00
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	11.97
(Center of Radiator)	feet	137.00
Calculation Point	feet	0.00
(above ground or		
roof surface)		0.00
Antenna Model No.		Dapa 3900.025
Max Ant Gain	dBd	13.20
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	5.75
Ant HBW	degrees	89.00
Distance to Ant _{system}	feet	134.13
WOS?	Y/N?	n

Ant System ONE Owner: AT&T
 Sector: 3
 Azimuth: 0/120/230

Antenna System Two

Frequency	units	Value
# of Channels	MHz	1950.00
Max ERP/Ch	Watts	500.00
Max Pwr/Ch Into Ant.	Watts	15.45
(Center of Radiator)	feet	177.00
Calculation Point	feet	0.00
(above ground or		
roof surface)		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 _{system}	feet	174.50
WOS?	Y/N?	n

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



Antenna System Three

	units	Value
Frequency	MHz	1930.00
# of Channels	#	12
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant. (Center of Radiator)	Watts	9.08
Calculation Point (above ground or roof surface)	feet	167.00
	feet	0.00
	feet	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	4.66
Ant HBW	degrees	90.00
Distance to Ant _{bottom}	feet	164.67
WOS?	Y/N?	n

Art. System Three Owner: VoiceStream
Sector: 3
Azimuth: 40/160/280

Antenna System Four

	units	Value
Frequency	MHz	851.00
# of Channels	#	16
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant. (Center of Radiator)	Watts	15.77
Calculation Point (above ground or roof surface)	feet	147.00
	feet	0.00
	feet	0.00
Antenna Model No.		DB844H90-XY
Max Ant Gain	dBd	12.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	4.00
Ant HBW	degrees	90.00
Distance to Ant _{bottom}	feet	145.00
WOS?	Y/N?	n

Art. System Four Owner: Nextel
Sector: 3
Azimuth: 30/150/270

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

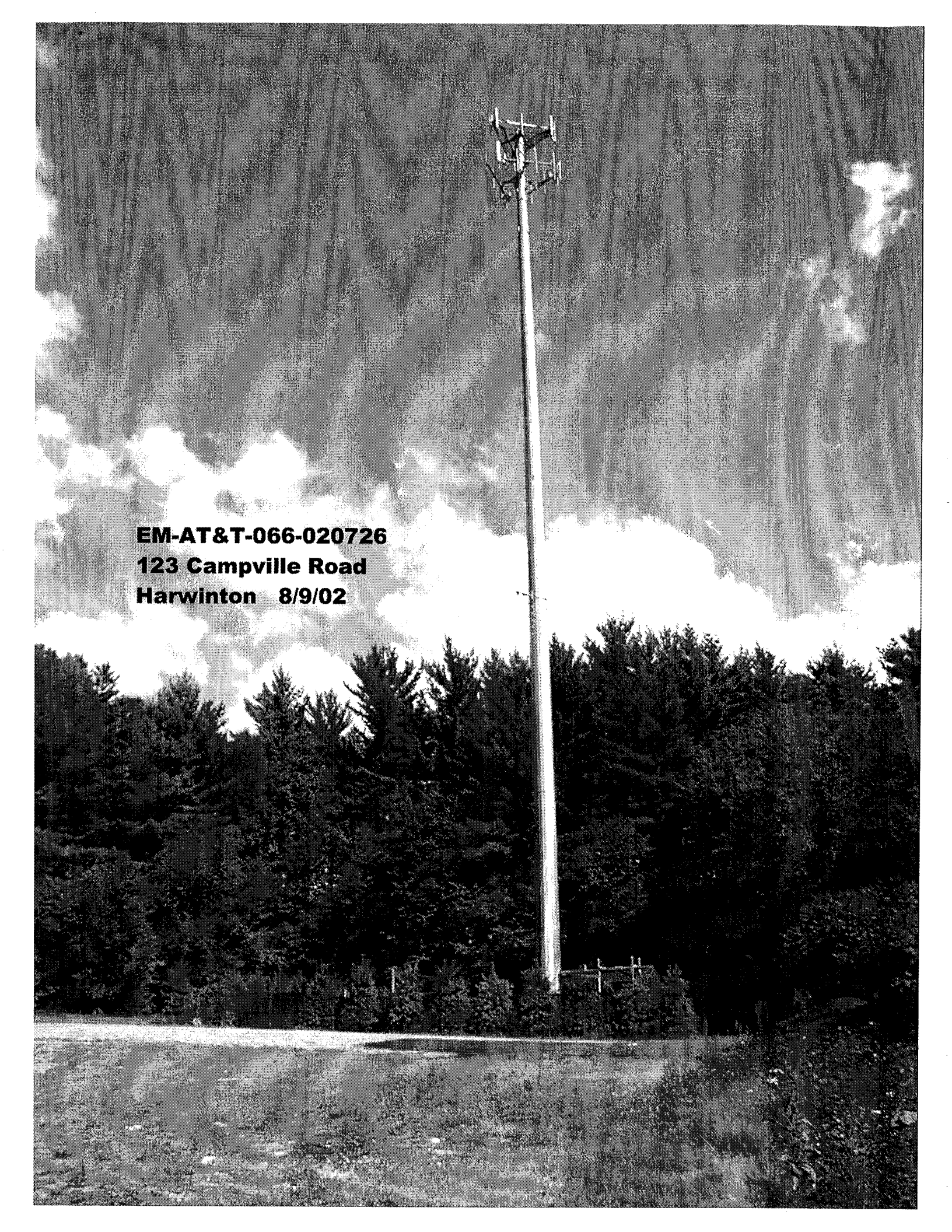
[1] The Communications Act of 1934, as amended by the Telecommunications Act of 1996, 47 U.S.C. Section 332 (c)(7)(B)(iv).

[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-066-020726
123 Campville Road
Harwinton 8/9/02