



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

November 8, 2002

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

RE: **TS-AT&T-007-021025** - AT&T Wireless PCS, LLC d/b/a AT&T Wireless request for an order to approve tower sharing at an existing telecommunications facility located 1657 Wilbur Cross-Highway, Berlin, Connecticut.

Dear Attorney Fisher:

At a public meeting held November 7, 2002, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request or notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated October 24, 2002.

Thank you for your attention and cooperation.

Very truly yours,



Mortimer A. Geiston
Chairman

MAG/laf

c: Honorable Paul C. Argazzi, Mayor, Town of Berlin
Brian J. Miller, Town Planner, Town of Berlin
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP



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October 30, 2002

Honorable Paul C. Argazzi

Mayor

Town of Berlin

240 Kensington Road

Kensington, CT 06037

RE: **TS-AT&T-007-021025** - AT&T Wireless PCS, LLC d/b/a AT&T Wireless request for an order to approve tower sharing at an existing telecommunications facility located 1657 Wilbur Cross-Highway, Berlin, Connecticut.

Dear Ms. Argazzi:

The Connecticut Siting Council (Council) received this request for tower sharing, pursuant to Connecticut General Statutes § 16-50aa.

The Council will consider this item at the next meeting scheduled for November 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.

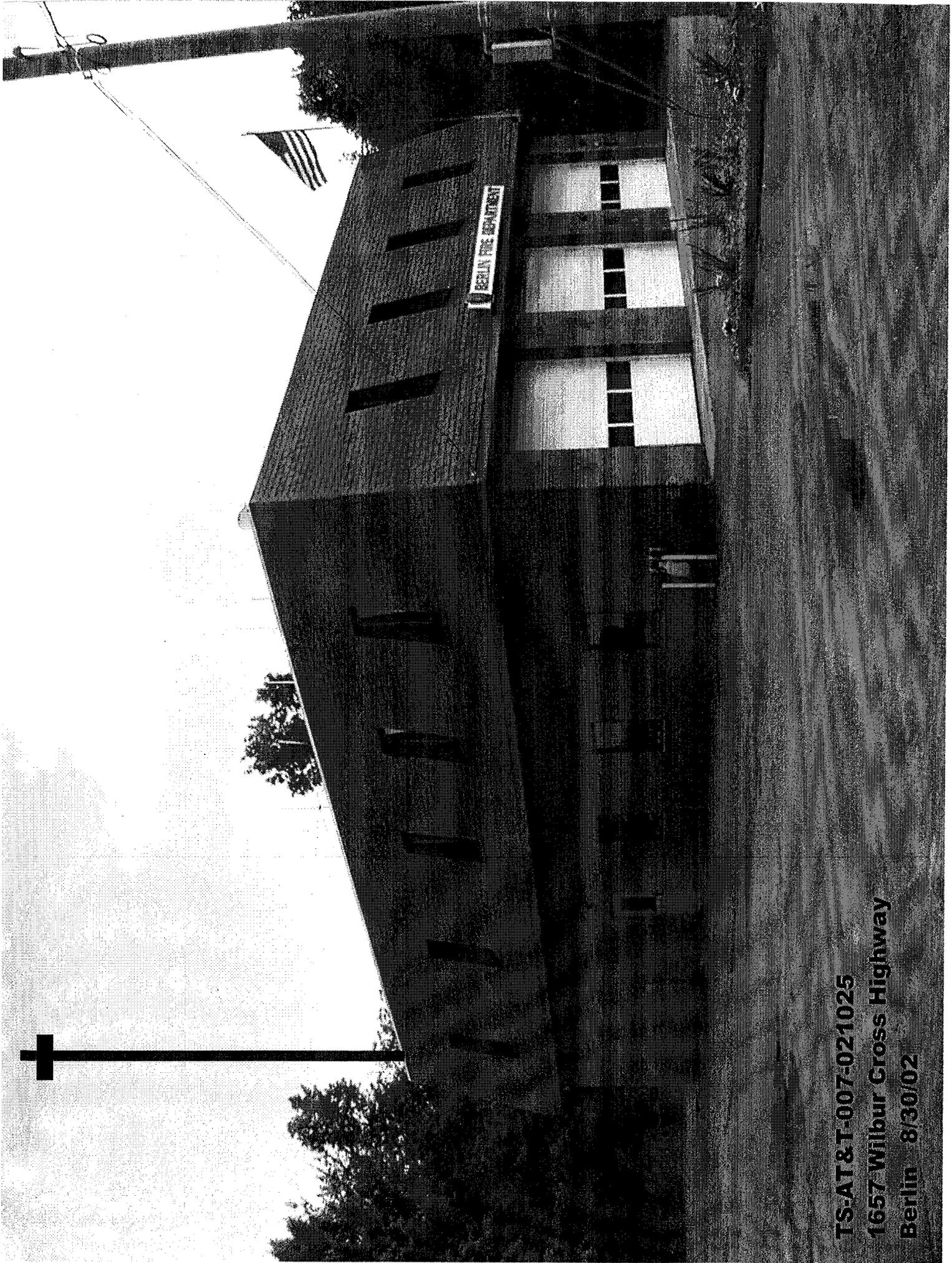
Very truly yours,

S. Derek Phelps
Executive Director

SDP/slm

Enclosure: Notice of Tower Sharing

c: Brian J. Miller, Town Planner, Town of Berlin



TS-AT&T-007-021025

1657 Wilbur Cross Highway

Berlin 8/30/02

CUDDY & FEDER & WORBY LLP

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STAMFORD, CONNECTICUT
NORWALK, CONNECTICUT

CUDDY & FEDER
1971-1995

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ELISABETH N. RADOW
NEIL T. RIMSKY
RUTH E. ROTH
JENNIFER L. VAN TUYL
CHAUNCEY L. WALKER (also CA)
ROBERT L. WOLFE
DAVID E. WORBY

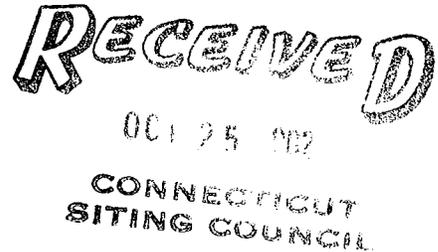
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DANIEL F. LEARY (also CT)
BARRY E. LONG

October 24, 2002

VIA FEDERAL EXPRESS

Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051



Re: Tower Sharing Request by AT&T Wireless
Berlin Fire Department Tower Facility at
1657 Wilbur Cross Highway, Berlin, Connecticut

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

Pursuant to Connecticut General Statutes (C.G.S.) § 16-50aa, AT&T Wireless PCS LLC, by and through its agent AT&T Wireless Services, Inc., ("AT&T") hereby requests an order from the Connecticut Siting Council (the "Council") to approve the proposed shared use of a fire department communications tower located at 1657 Wilbur Cross Highway in the Town of Berlin (the "Fire Department Facility"), built by Sprint and deeded to the Berlin Volunteer Fire Department (the "Tower Owner"). AT&T Wireless has entered into an agreement with the Tower Owner to permit the installation of a wireless communications facility at the existing Fire Department Facility. See Tower Owner's authorization and application consent annexed hereto as Exhibit A.

The Fire Department Facility

The Fire Department Facility consists of an approximately one hundred eighty (180) foot monopole (the "Tower") and associated equipment currently being used for emergency and

October 24, 2002

Page 2

wireless communications by Sprint, the municipality and others. The Facility is located at the Berlin Volunteer Fire Department.

AT&T Wireless' Facility

As shown on the enclosed plans prepared by URS Corporation, including a site plan and tower elevation of the Fire Department 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 168 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 steel platform on concrete piers near the base of the Tower.

Connecticut General Statutes § 16-50aa provides that, upon written request for shared use approval, an order approving such use shall be issued, "if the council finds that the proposed shared use of the facility is technically, legally, environmentally and economically feasible and meets public safety concerns." (C.G.S. § 16-50aa(c)(1).) Further, upon approval of such shared use, it is exclusive and no local zoning or land use approvals are required C.G.S. § 16-50x. Shared use of the Fire Department Facility satisfies the approval criteria set forth in C.G.S. § 16-50aa as follows:

- A. Technical Feasibility As evidenced in the letter of structural integrity prepared by URS Corporation, annexed hereto as Exhibit B, AT&T has confirmed that the Tower is structurally capable of supporting the addition of AT&T Wireless' antennas. The proposed shared use of this tower is therefore technically feasible.
- B. Legal Feasibility Pursuant to C.G.S. § 16-50aa, the Council has been authorized to issue an order approving shared use of the existing Fire Department Facility. (C.G.S. § 16-50aa(c)(1)). Under the authority vested in the Council by C.G.S. § 16-50aa, an order by the Council approving the shared use of a tower would permit the Applicant to obtain a building permit for the proposed installation.
- C. Environmental Feasibility The proposed shared use would have a minimal environmental effect, for the following reasons:

October 24, 2002

Page 3

1. The proposed installation would have a *de minimis* visual impact, and would not cause any significant change or alteration in the physical or environmental characteristics of the existing facility;
 2. The proposed installation by AT&T Wireless would not increase the height of the tower nor extend the site boundaries;
 3. The proposed installation would not increase the noise levels at the existing facility boundaries by six decibels or more;
 4. Operation of AT&T Wireless' antennas at this site would not exceed the total radio frequency electromagnetic radiation power density level adopted by the FCC and Connecticut Department of Health. The "worst case" exposure calculated for the operation of this facility for all carriers, would be approximately 9.07% of the standard. See Cumulative Emissions Compliance Report dated July 9, 2002, prepared By Nader Soliman, RF Engineer, annexed hereto as Exhibit C;
 5. The proposed shared use of the Fire Department Facility would not require any water or sanitary facilities, or generate air emissions or discharges to water bodies. Further, the installation will not generate any traffic other than for periodic maintenance visits.
- D. Economic Feasibility As evidenced in Exhibit A annexed hereto, the Applicant and the Tower Owner have entered into a mutual agreement to share use of the Fire Department Facility on terms agreeable to both parties. The proposed tower sharing is therefore economically feasible.
- E. Public Safety As stated above and evidenced in the Cumulative Emissions Compliance Report annexed hereto as Exhibit C, the operation of AT&T Wireless' antennas at this site would not exceed the total radio frequency electromagnetic radiation power density level adopted by the FCC and Connecticut Department of Health. Further, the addition of AT&T Wireless' telecommunications service in the Berlin area through shared use of the Fire Department Facility is expected to enhance the safety and welfare of local residents and travelers through the area resulting in an improvement to public safety in this area of Berlin.

October 24, 2002

Page 4

Conclusion

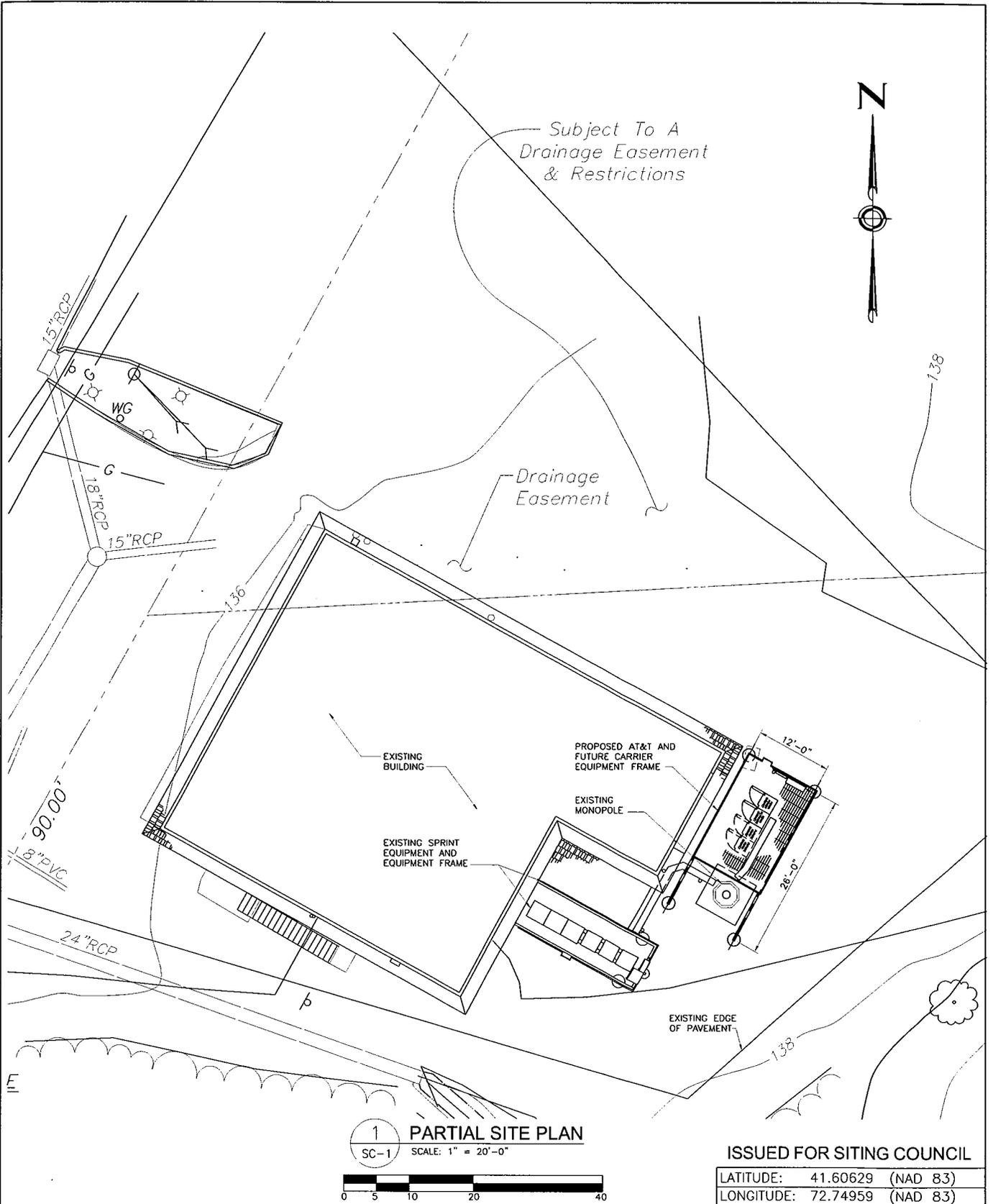
As delineated above, the proposed shared use of the Fire Department Facility satisfies the criteria set forth in C.G.S. § 16-50aa, and advances the General Assembly's and the Siting Council's goal of preventing the proliferation of towers in the State of Connecticut. AT&T Wireless therefore requests the Siting Council issue an order approving the proposed shared use of the Fire Department Facility.

Respectfully submitted,



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

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



1 PARTIAL SITE PLAN
 SC-1 SCALE: 1" = 20'-0"



ISSUED FOR SITING COUNCIL

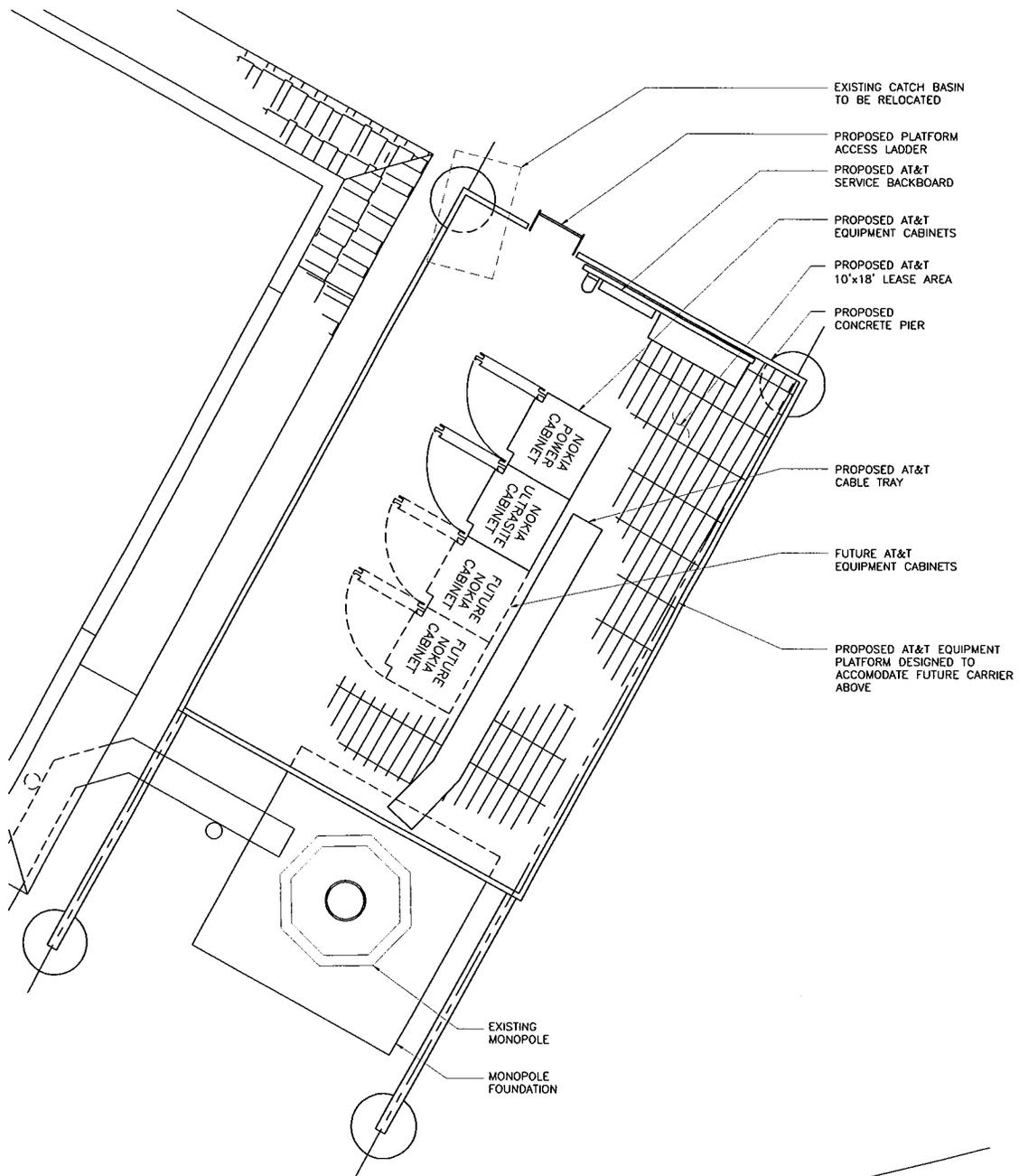
LATITUDE: 41.60629 (NAD 83)
 LONGITUDE: 72.74959 (NAD 83)

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: PARTIAL SITE PLAN
PROJECT INFORMATION: BERLIN EAST CENTRAL
 CT-375
 1657 WILBUR CROSS HIGHWAY
 BERLIN, CONNECTICUT
PROPERTY OWNER: BERLIN VOLUNTEER FIRE DEPARTMENT
 1657 WILBUR CROSS HIGHWAY
 BERLIN, CONNECTICUT

DRAWING TITLE: 907-007-375A-SC1	
REVISION NO. 2	DRAWN BY: RB
DATE ISSUED: 10/18/02	CHECKED BY: JCF
SCALE: AS NOTED	APPROVED BY:
URS JOB NO.: F302224.5B	SHEET NO. 1 OF 3 (36911311)



1 EQUIPMENT PLATFORM PLAN
 SC-2 SCALE: 1" = 5'-0"

ISSUED FOR SITING COUNCIL
 LATITUDE: 41.60629 (NAD 83)
 LONGITUDE: 72.74959 (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:
 EQUIPMENT PLATFORM PLAN

PROJECT INFORMATION:
 BERLIN EAST CENTRAL
 CT-375
 1657 WILBUR CROSS HIGHWAY
 BERLIN, CONNECTICUT

PROPERTY OWNER:
 BERLIN VOLUNTEER FIRE DEPARTMENT
 1657 WILBUR CROSS HIGHWAY
 BERLIN, CONNECTICUT

DRAWING TITLE: 907-007-375A-SC2	
REVISION NO. 2	DRAWN BY: RB
DATE ISSUED: 10/18/02	CHECKED BY: JCF
SCALE: AS NOTED	APPROVED BY:
URS JOB NO.: F302224.5B	SHEET NO. 2 OF 3 (36911311)

AUTHORIZATION AND APPLICATION CONSENT

The undersigned (the "Property Owner") is the owner, or an authorized representative of the owner, of real property located at 1657 Wilbur Cross Highway, City of Berlin, Hartford County, State of Connecticut (the "Property") which the Owner proposes to lease to AT&T Wireless PCS LLC, a limited liability company, by and through its manager, AT&T Wireless Inc. d/b/a AT&T Wireless, a Delaware Corporation, its Agent (AWS).

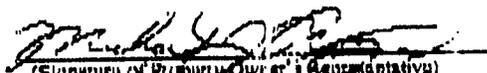
The Property Owner hereby authorizes AWS, its employees, representatives and agents and consultants to enter upon the Property and conduct such tests (including RF drive tests and soil tests) as AWS may deem necessary or appropriate for the purpose of determining the suitability of the Property for the installation of a telecommunications tower and/or antenna facility; and to secure any application, including but not limited to zoning, building permit, FAA or other approval necessary to ensure AWS' ability to use the above property. I understand that any such application may be denied, modified or approved with conditions and that such conditions or modifications must be complied with prior to issuance of any building permits. I further understand that AWS will assume any and all costs and fees associated with processing said applications and permits.

It is understood by both the Property Owner and AWS that this consent by Property Owner does not constitute a commitment by Property Owner to lease or otherwise convey rights to the Property to AWS, and that such a conveyance may be accomplished by the execution of a further agreement by both parties.

Dated this 12th Day of September, 2012

PROPERTY OWNER:

BILL W. FINE


(Signature of Property Owner's Representative)

MICHAEL J. ROGAN
(Printed Name of Property Owner's Representative)

ASSISTANT CHIEF
(Title of Property Owner's Representative, if any)



October 18, 2002

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

**Reference: Proposed Telecommunications Facility
AT&T Site No. CT-375
1675 Wilbur Cross Parkway
Berlin, Connecticut
F300002224.58**

Dear Mr. Gelston:

URS Corporation AES (URS) conducted a review and evaluated the proposed 176' monopole structure located at 1675 Wilbur Cross Parkway in Berlin, Connecticut. The purpose of this review was to evaluate the affect of the proposed AT&T Wireless antennas and mount on the proposed monopole structure. The monopole was designed by Engineered Endeavors Incorporated job no. 11129 dated September 13, 2002 and its revised foundation dated September 20, 2002 revision 1. The monopole and its revised foundation were originally designed to support six telecommunications carriers between the elevations of 110' - 168'. The proposed AT&T Wireless antennas and mount considered in this review are as listed below:

Antenna and Mount	Carrier	Antenna Center Elevation
(6) Allgon 7250.03 on (3) T-Arm mounts with (12) 1 5/8" coax cables within the monopole	AT&T Wireless	168'

It is our determination that the monopole and its revised foundation have sufficient structural capacity to support the AT&T Wireless 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.

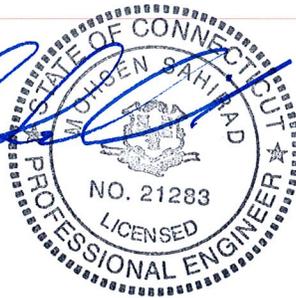
Sincerely,

URS Corporation AES

Mohsen Sahirad, P.E.
Senior Structural Engineer

MS/rmn

cc: Don Huntley – Bechtel
Naish Artaiz – URS
D.R. – URS
A.A. – URS



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: 907-007-375

July 9, 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 1657 Wilbur Cross Highway, Berlin, CT. 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: Berlin East Central	
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)	170.00 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 0.018394 mW/cm² which occurs at 1 feet from the antenna facility. The chart in exhibit A also shows that the power density is only 0.018306 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	0.018394 mW/cm ²
PCS	1 mW/cm ²	5 mW/cm ²	

The maximum power density at the proposed facility represents only 9.07% of the public MPE limit for PCS frequencies.

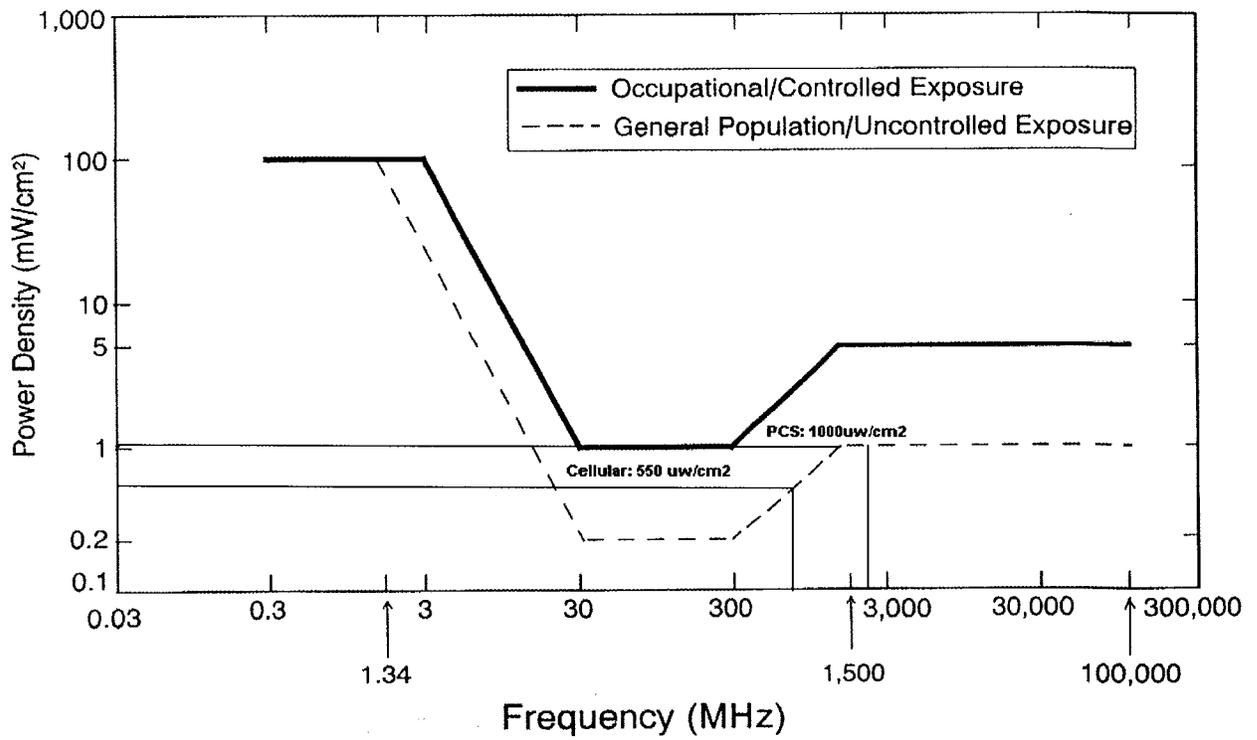
6. Conclusion

This analysis show that the maximum power density in accessible areas at this location is 0.018394 mW/cm², a level of RF energy that is well below the Maximum Permissible Exposure limit established by the FCC.

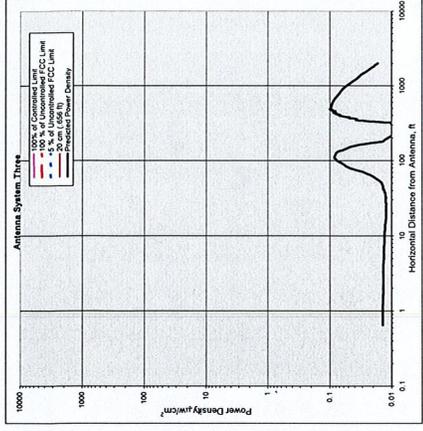
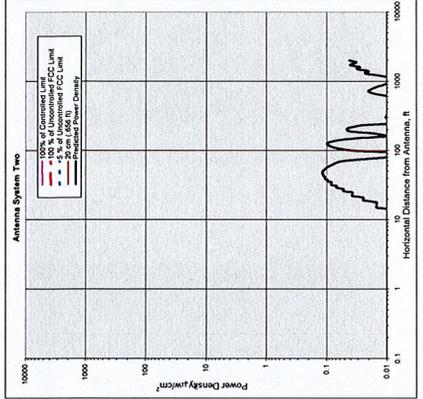
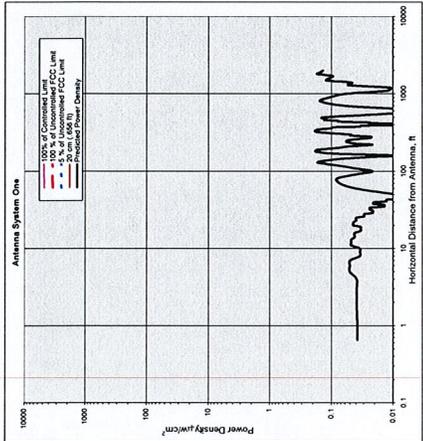
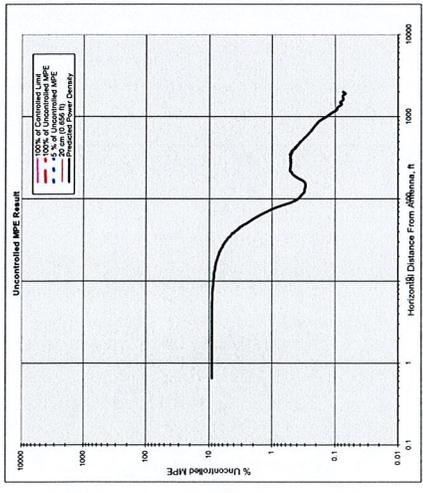
² 47 U.S. C. Section 332 (c) (7)(B)(iv) states that “[n]o State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that such 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: 12

Meets FCC Controlled Limits for The Antenna Systems.

Meets FCC Uncontrolled Limits for The Antenna Systems.

Meets 5% of the FCC Uncontrolled Limits beyond 33 feet from the Antenna Systems.

No Further Analysis Required.

Minimum Power Density	Power Density	Power Density
at 300m	at 300m	@Horiz. Dist.
µW/cm²	µW/cm²	feet
0.018884	0.018884	9.07
0.66	0.66	0.66
11.03 times power than the MPE limit for uncontrolled environment		
Composite Power (ERP) =	12,980.00	Watts

Site ID: 907-007-375
 Site Name: Berlin East Central
 Site Location: 1657 Wilbur Cross Highway
 Berlin, CT

Performed By: Nader Soliman
 Date: July 9, 2002

Antenna System One

Frequency	units	Value
1345.00	MHz	1345.00
12	# of Channels	12
250.00	Watts	250.00
5.86	Max ERP/Ch	5.86
170.00	Max Pwr/Ch Into Ant. (Center of Radiator)	170.00
0.00	Calculation Point (above ground or roof surface)	0.00
0.00	Antenna Model No.	Algon 7250.03
16.30	Max Ant Gain	16.30
0.00	Down tilt	0.00
0.00	Miscellaneous Att.	0.00
5.11	Height of aperture	5.11
65.00	Ant H/W	65.00
167.45	Distance to Antenna	167.45
WOST?	Y/N/P	n

Ant System ONE Owner: AT&T
 Sector: 3
 Azimuth: 20/190/280

Antenna System Two

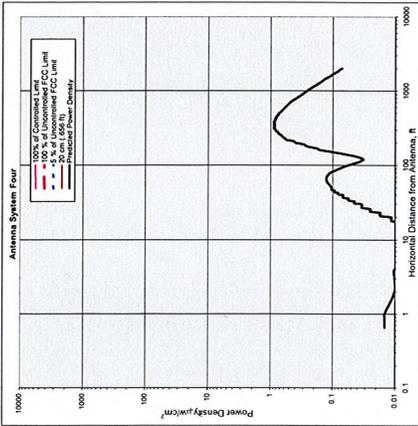
Frequency	units	Value
45.86	MHz	45.86
4	# of Channels	4
200.00	Watts	200.00
28.64	Max ERP/Ch	28.64
190.00	Max Pwr/Ch Into Ant. (Center of Radiator)	190.00
0.00	Calculation Point (above ground or roof surface)	0.00
0.00	Antenna Model No.	PD1742
8.44	Max Ant Gain	8.44
0.00	Down tilt	0.00
0.00	Miscellaneous Att.	0.00
12.50	Height of aperture	12.50
360.00	Ant H/W	360.00
183.75	Distance to Antenna	183.75
WOST?	Y/N/P	n

Ant System TWO Owner: SP Hotline
 Sector: 1
 Azimuth: 360

Antenna System Three

Frequency	units	Value
960.00	MHz	960.00
2	# of Channels	2
100.00	Watts	100.00
3.98	Max ERP/Ch	3.98
182.00	Max Pwr/Ch Into Ant. (Center of Radiator)	182.00
0.00	Calculation Point (above ground or roof surface)	0.00
0.00	Antenna Model No.	Scala MiniSector
14.00	Max Ant Gain	14.00
0.00	Down tilt	0.00
0.00	Miscellaneous Att.	0.00
3.88	Height of aperture	3.88
16.00	Ant H/W	16.00
180.06	Distance to Antenna	180.06
WOST?	Y/N/P	n

Ant System Three Owner: NE Utilities
 Sector: 1
 Azimuth: 270



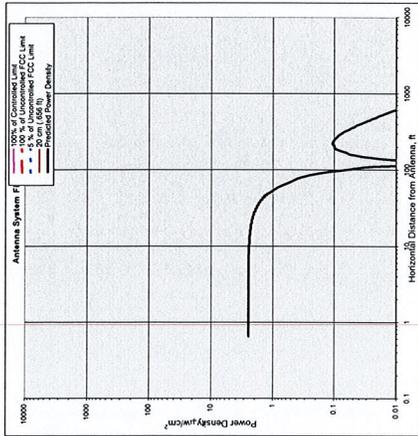
Antenna System Four

units	Value
Frequency	465.08
# of Channels	4
Max ERP/Ch	200.00
Max Pwr/Ch Into Ant.	31.70
(Center of Radiator)	180.50
Calculation Point	0.00
(above ground or roof surface)	0.00
Antenna Model No.	DB436
Max Ant Gain	8.00
Down tilt	0.00
Miscellaneous ATC	0.00
Height of aperture	1.25
Ant H/BW	360.00
Distance to Antenna	179.88
WOST?	Y/N?
	n

Ant System Four Owner: RAFS

Sector: 1

Azimuth: 270



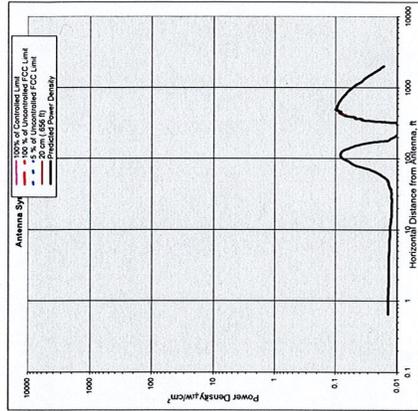
Antenna System Five

units	Value
Frequency	156.23
# of Channels	4
Max ERP/Ch	50.00
Max Pwr/Ch Into Ant.	52.36
(Center of Radiator)	168.00
Calculation Point	0.00
(above ground or roof surface)	0.00
Antenna Model No.	ANT1503D
Max Ant Gain	-0.20
Down tilt	0.00
Miscellaneous ATC	0.00
Height of aperture	16.25
Ant H/BW	70.00
Distance to Antenna	159.88
WOST?	Y/N?
	n

Ant System Five Owner: Town Highway

Sector: 1

Azimuth: 90



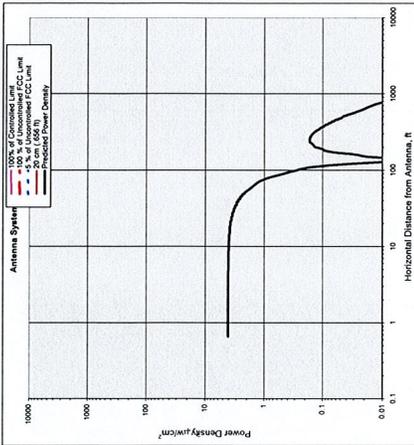
Antenna System Six

units	Value
Frequency	960.00
# of Channels	2
Max ERP/Ch	100.00
Max Pwr/Ch Into Ant.	3.98
(Center of Radiator)	182.00
Calculation Point	0.00
(above ground or roof surface)	0.00
Antenna Model No.	Scala MiniReflector
Max Ant Gain	14.00
Down tilt	0.00
Miscellaneous ATC	0.00
Height of aperture	3.88
Ant H/BW	16.00
Distance to Antenna	180.06
WOST?	Y/N?
	n

Ant System Six Owner: Town (to South Kensington)

Sector: 1

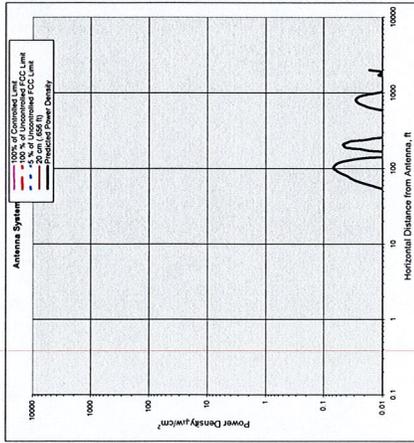
Azimuth: 90



Antenna System Seven

units	Value
Frequency	154.34
# of Channels	4
Max ERP/Ch	100.00
Max Pwr/Ch Into Ant.	104.71
(Center of Radiation)	188.00
Calculation Point	0.00
(above ground or roof surface)	0.00
Antenna Model No.	ANT1503D
Max Ant Gain	-0.20
Down tilt	0.00
Miscellaneous Att.	0.00
Height of aperture	16.25
Ant. H/BW	70.00
Distance to Ant _{horiz}	179.88
WOS?	Y/N/P
	n

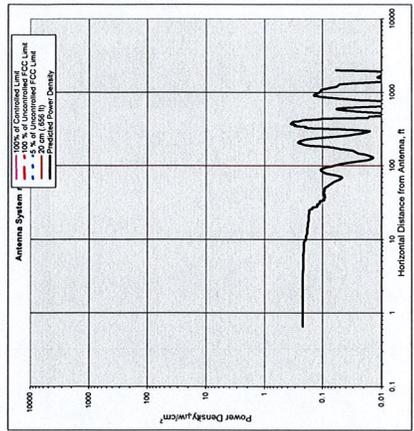
Ant System SEVEN Owner: Town Fire Main
Sector: 1
Admtrch: 90



Antenna System Eight

units	Value
Frequency	809.99
# of Channels	4
Max ERP/Ch	200.00
Max Pwr/Ch Into Ant.	25.18
(Center of Radiation)	184.00
Calculation Point	0.00
(above ground or roof surface)	0.00
Antenna Model No.	DB-589
Max Ant Gain	9.00
Down tilt	0.00
Miscellaneous Att.	0.00
Height of aperture	8.71
Ant. H/BW	360.00
Distance to Ant _{horiz}	179.65
WOS?	Y/N/P
	n

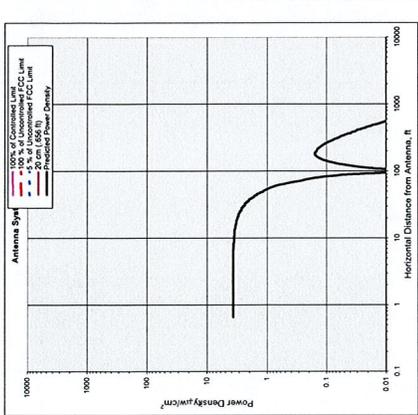
Ant System Eight Owner: Town Police
Sector: 1
Admtrch: 360



Antenna System Nine

units	Value
Frequency	1950.00
# of Channels	12
Max ERP/Ch	500.00
Max Pwr/Ch Into Ant.	15.45
(Center of Radiation)	150.00
Calculation Point	0.00
(above ground or roof surface)	0.00
Antenna Model No.	DB980690
Max Ant Gain	15.10
Down tilt	0.00
Miscellaneous Att.	0.00
Height of aperture	5.00
Ant. H/BW	90.00
Distance to Ant _{horiz}	147.50
WOS?	Y/N/P
	n

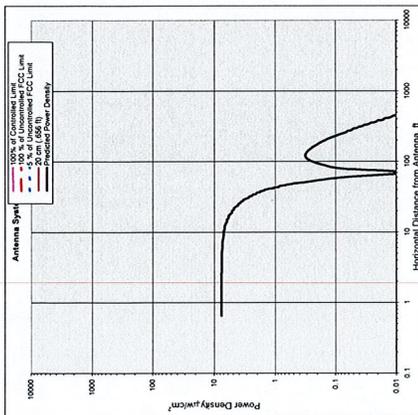
Ant System NINE Owner: Sprint PCS
Sector: 3
Admtrch: 0/120/240



Antenna System Ten

units	Value
Frequency	156.14
MHz	
# of Channels	4
Max ERP/Ch	50.00
Watts	
Max Pwr/Ch Into Ant.	52.36
Watts	
Calculation Point (Center of Radiator)	138.00
feet	
Calculation Point (above ground or roof surface)	0.00
feet	
Antenna Model No.	ANT1503D
Max Ant Gain	-0.20
dBd	
Down tilt	0.00
degrees	
Miscellaneous ATC	0.00
dB	
Height of aperture	16.25
feet	
Ant HBW	70.00
degrees	
Distance to Ant _{horiz}	129.88
feet	
WQS?	Y/N?
	n

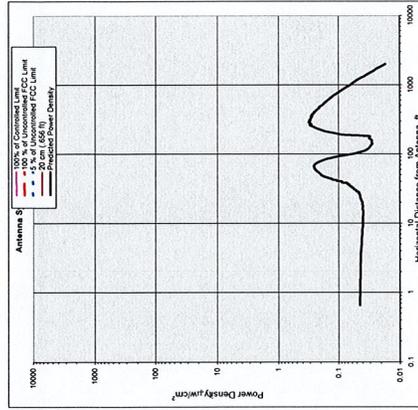
Ant System TEN Owner: Town Fire
Sector: 1
Admrhd: 30



Antenna System Eleven

units	Value
Frequency	154.27
MHz	
# of Channels	4
Max ERP/Ch	45.00
Watts	
Max Pwr/Ch Into Ant.	47.12
Watts	
Calculation Point (Center of Radiator)	92.00
feet	
Calculation Point (above ground or roof surface)	0.00
feet	
Antenna Model No.	ANT1503D
Max Ant Gain	-0.20
dBd	
Down tilt	0.00
degrees	
Miscellaneous ATC	0.00
dB	
Height of aperture	16.25
feet	
Ant HBW	70.00
degrees	
Distance to Ant _{horiz}	83.88
feet	
WQS?	Y/N?
	n

Ant System ELEVEN Owner: Fire Dept. Intercity/Emergency
Sector: 1
Admrhd: 30



Antenna System Twelve

units	Value
Frequency	960.00
MHz	
# of Channels	2
Max ERP/Ch	100.00
Watts	
Max Pwr/Ch Into Ant.	3.98
Watts	
Calculation Point (Center of Radiator)	102.00
feet	
Calculation Point (above ground or roof surface)	0.00
feet	
Antenna Model No.	Scale Misreflector
Max Ant Gain	14.00
dBd	
Down tilt	0.00
degrees	
Miscellaneous ATC	0.00
dB	
Height of aperture	3.81
feet	
Ant HBW	15.00
degrees	
Distance to Ant _{horiz}	100.06
feet	
WQS?	Y/N?
	n

Ant System TWELVE Owner: Town Hall
Sector: 1
Admrhd: 30

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.