



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

October 24, 2002

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

RE: **TS-AT&T-011-021008** - AT&T Wireless PCS, LLC d/b/a AT&T Wireless request for an order to approve tower sharing at a telecommunications facility to be located at 785 Park Avenue, Bloomfield, Connecticut.

Dear Attorney Fisher:

At a public meeting held October 23, 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.

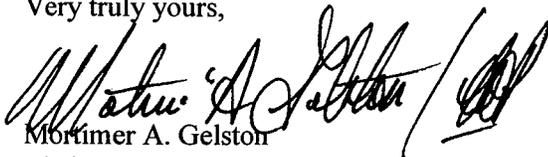
This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility may require an explicit request to this agency pursuant to General Statutes § 16-50aa or notice pursuant to Regulations of Connecticut State Agencies Section 16-50j-73, as applicable. Such request 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 7, 2002.

Thank you for your attention and cooperation.

Very truly yours,



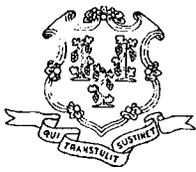
Mortimer A. Gelston
Chairman

MAG/RKE/laf

c: Honorable Faith McMahon, Mayor, Town of Bloomfield
Thomas B. Hooper, Director of Planning, Town of Bloomfield

TS-AT&T-011-021008
785 Park Avenue
Bloomfield 10/21/02





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October 9, 2002

Mr. Louie Chapman, Jr.
Town Manager
Town of Bloomfield
Town Hall
800 Bloomfield Avenue
P. O. Box 337
Bloomfield, CT 06002-0337

RE: **TS-AT&T-011-021008** – AT&T Wireless PCS, LLC d/b/a AT&T Wireless request for an order to approve tower sharing at a telecommunications facility to be located at 785 Park Avenue, Bloomfield, Connecticut

Dear Mr. Chapman:

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 October 23, 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: Planning and Zoning Official, Town of Bloomfield

CUDDY & FEDER & WORBY LLP

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WHITE PLAINS, NEW YORK 10601-5196

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

STAMFORD, CONNECTICUT
NORWALK, CONNECTICUT

CUDDY & FEDER
1971-1995

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DAWN M. PORTNEY
ELISABETH N. RADOW
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RUTH E. ROTH
JENNIFER L. VAN TUYL
CHAUNCEY L. WALKER (also CA)
ROBERT L. WOLFE
DAVID E. WORBY

Of Counsel
MICHAEL R. EDELMAN
ANDREW A. GLICKSON (also CT)
ROBERT L. OSAR (also TX)
MARYANN M. PALERMO
ROBERT C. SCHNEIDER
LOUIS R. TAFFERA

NEIL J. ALEXANDER (also CT)
CHARLES T. BAZYDLO (also NJ)
THOMAS R. BEIRNE (also DC)
THOMAS M. BLOOMER
JOSEPH P. CARLUCCI
KENNETH J. DUBROFF
ROBERT FEDER
CHRISTOPHER B. FISHER (also CT)
ANTHONY B. GIOFFRE III (also CT)
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KAREN G. GRANIK
JOSHUA J. GRAUER
WAYNE E. HELLER (also CT)
KENNETH F. JURIST
MICHAEL L. KATZ (also NJ)
JOSHUA E. KIMERLING (also CT)
DANIEL F. LEARY (also CT)
BARRY E. LONG

TS-AT&T-011-021008

October 7, 2002

VIA FEDERAL EXPRESS

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

RECEIVED

OCT - 8 2002

**CONNECTICUT
SITING COUNCIL**

Re: Tower Sharing Request by AT&T Wireless
Bloomfield Municipal Tower
785 Park Avenue, Bloomfield, 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 an approved municipal communications tower to be constructed at 785 Park Avenue in the Town of Bloomfield (the "Park Avenue Tower Facility") and to be owned by the Town of Bloomfield.

The Park Avenue Tower Facility

The Park Avenue Tower Facility will consist of an approximately one hundred forty (140) foot monopole (the "Tower") and associated equipment, to be constructed by others and used for emergency municipal and wireless communications purposes. The tower will be located on town owned property that is part of the Bloomfield Police Department. The Town itself processed all

October 7, 2002

Page 2

approvals for the municipal tower in the Fall of 2001. See Special Permit issued by the Town of Bloomfield Planning and Zoning Commission on December 20, 2001 and subsequent Letter from Shirley P. Williams, Secretary to the Planning and Zoning Commission, dated September 27, 2002, approving AT&T's request for shared use of the Tower annexed hereto as Exhibit A.

AT&T Wireless' Facility

As shown on the enclosed plans prepared by Natcomm, LLC, including a site plan and tower elevation of the Park Avenue Tower Facility, AT&T Wireless proposes shared use of the tower to provide FCC licensed services. AT&T Wireless will install 6 panel antennas at approximately the 139 foot level of the Tower and an associated equipment shelter located within the fenced compound.

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 Park Avenue Tower Facility satisfies the approval criteria set forth in C.G.S. § 16-50aa as follows:

- A. Technical Feasibility The Tower will be built to the specifications of the tower manufacturer for the municipality and five carriers as shown on the enclosed plans. 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 Park Avenue Tower Facility (C.G.S. § 16-50aa(c)(1)).
- C. Environmental Feasibility The proposed shared use would have a minimal environmental effect, for the following reasons:
 - 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 approved tower;
 - 2. The proposed installation by AT&T Wireless would not increase the height of the tower nor extend the site boundaries;

October 7, 2002

Page 3

3. The proposed installation would not increase the noise levels at the approved tower site 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 0.82% of the standard. See Cumulative Emissions Compliance Report dated October 4, 2002, prepared By Nader Soliman, RF Engineer, annexed hereto as Exhibit C;
 5. The proposed shared use of the Park Avenue Tower 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 The Applicant and the tower owner have entered into a mutual agreement to share use of the Park Avenue Tower 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 B, 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 Bloomfield area through shared use of the Park Avenue Tower 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 Bloomfield.

October 7, 2002

Page 4

Conclusion

As delineated above, the proposed shared use of the Park Avenue Tower 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 Park Avenue Tower Facility.

Respectfully submitted,

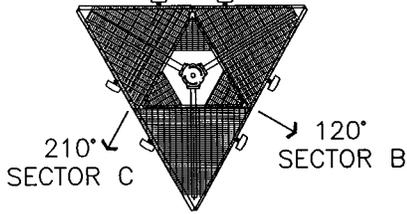


Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

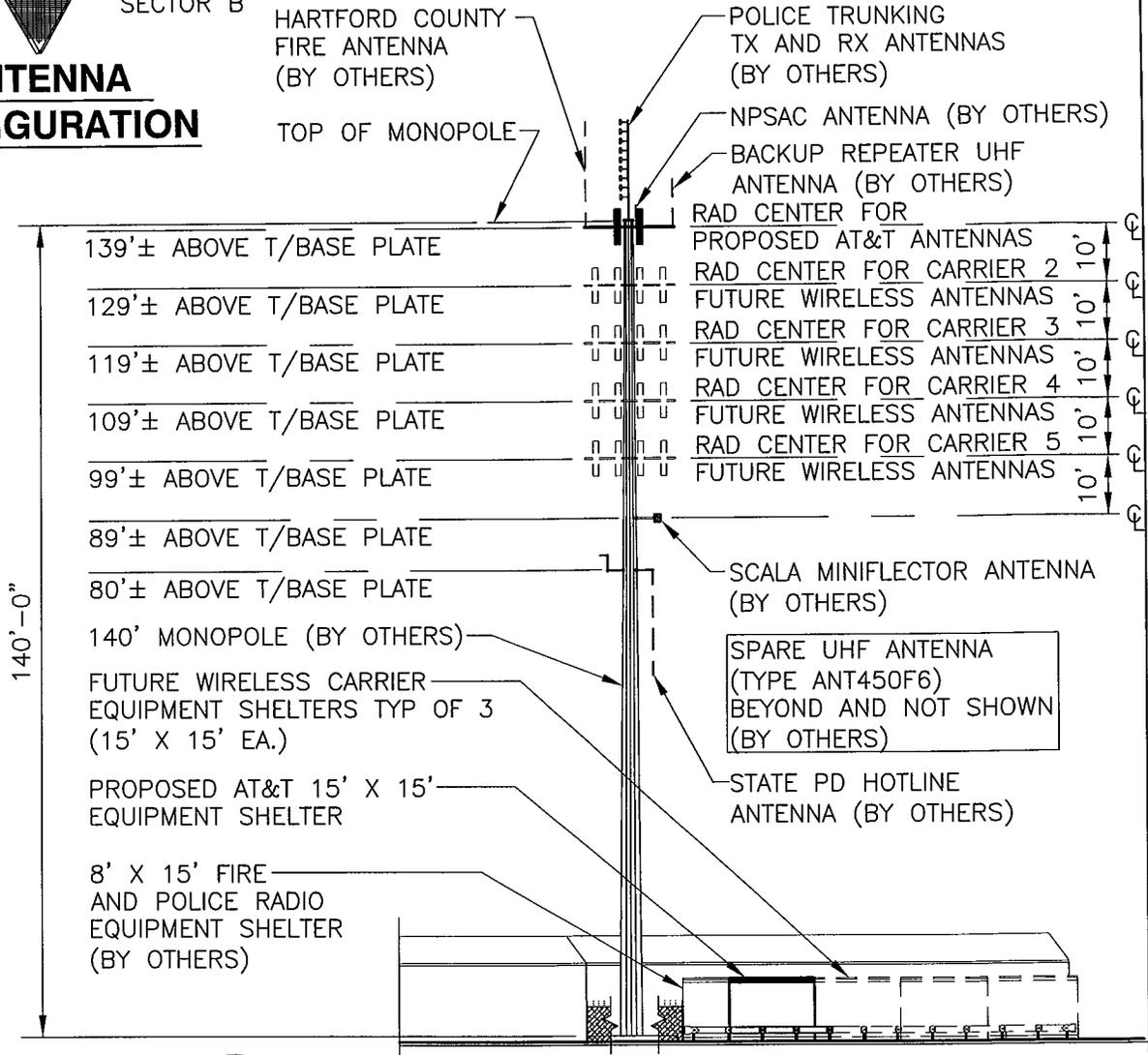
cc: Town Manager, Town of Bloomfield
RJ Wetzel, Bechtel



TRUE NORTH
0°
SECTOR A
4'-0" TYP



ANTENNA CONFIGURATION



NOTE:
LATITUDE: 41.8285
LONGITUDE: 72.7336
COORDINATES WHERE TAKEN
WITH A HAND HELD GPS

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

"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: BLOOMFIELD POLICE DEPT
CT-246
785 PARK AVE
BLOOMFIELD, CT 06002
LESSOR: INTEGRATED WIRELESS SERVICES
63-1 N BRANFORD RD
BRANFORD, CT 06405

DRAWING NO.
907-007-246A-SC 2

REVISION NO. 0	DRAWN BY: P.A.M.
DATE ISSUED: 07/22/02	CHECKED BY: JJP
SCALE: AS NOTED	APPROVED BY: CFC
	SHEET NO. 2 OF 2
A/E PROJECT NO: 02911G	

91105002.dwg 7-22-02

FUTURE GUARDRAIL
(BY OTHERS)

FUTURE 15' X 15'
EQUIPMENT SHELTERS
(TYP OF 3)

EVERGREENS
(BY OTHERS)

UTILITY
BACKBOARD
(BY OTHERS)

SNET
DEMARICATION
POINT
(BY OTHERS)

TRANSFORMER
(BY OTHERS)

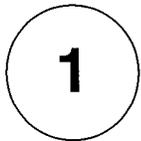
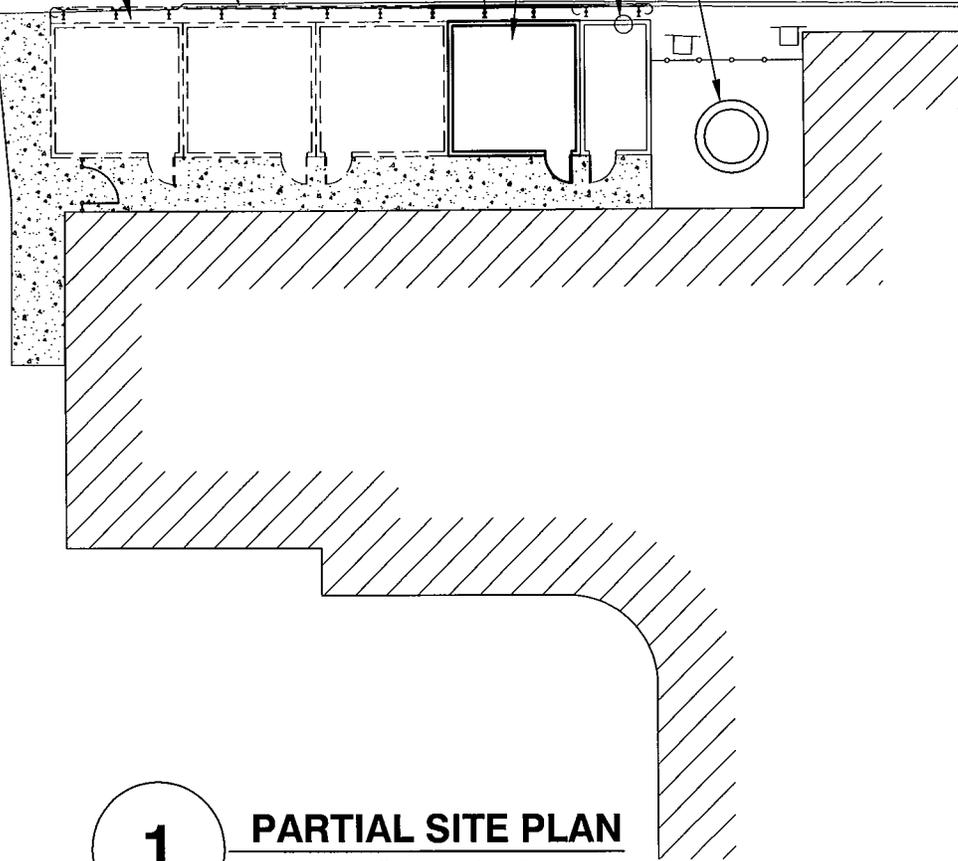
PROPOSED AT&T
15' GUARDRAIL
FOR SHELTER
PROTECTION



PROPOSED AT&T
15' X 15'
EQUIPMENT
SHELTER

8' X 15' FIRE AND
POLICE RADIO
EQUIPMENT SHELTER
(BY OTHERS)

140' MONOPOLE
(BY OTHERS)



PARTIAL SITE PLAN

SCALE: 1" = 20'-0"

"ISSUED FOR SITING COUNCIL"

910531.dwg 7-25-02



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:

BLOOMFIELD POLICE DEPT
CT-246
785 PARK AVE
BLOOMFIELD, CT 06002

LESSOR:

INTEGRATED WIRELESS SERVICES
63-1 N BRANFORD RD
BRANFORD, CT 06405

DRAWING NO.

907-007-246A-SC1

REVISION NO. 0	DRAWN BY: P.A.M.
DATE ISSUED: 07/22/02	CHECKED BY: JJP
SCALE: AS NOTED	APPROVED BY: OFC
	SHEET NO. 1 OF 2
A/E PROJECT NO: 02911G	

SPECIAL PERMIT - TOWN OF BLOOMFIELD - TOWN PLAN & ZONING COMMISSION

LOCATION: 785 PARK AVENUE BLOOMFIELD, CT
Please type or print

OWNER OF RECORD: TOWN OF BLOOMFIELD

The foregoing application for special permit, pursuant to Section IV 31 of the Bloomfield Zoning Regulations, pertains to premises bounded and described as follows:
(Please attach written legal boundary description of subject premises)

(SEE ATTACHED DESCRIPTION)

Oct. 17, 2001
Date

Arnie Chapman
Signature of Owner of Record

PLEASE NOTE REQUIREMENTS BELOW FOR RECORDING SPECIAL PERMIT ON LAND RECORDS

To be completed by Town Plan & Zoning Commission following approval:

I hereby certify that the Town Plan & Zoning Commission, at a meeting held on December 20, 2001, approved the special permit application of Town of Bloomfield for Communications Tower

at 785 Park Avenue (Police Department) for emergency services.

at the above premises, pursuant to Section IV.3.1 of the Bloomfield Zoning Regulations, subject to the following conditions (if any):

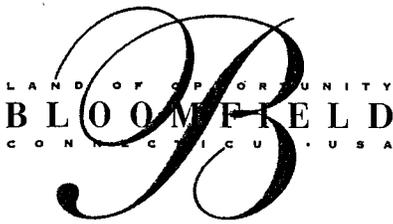
1. Each cell user shall appear before the Commission to demonstrate need.
2. Town shall remove up to 3 existing towers
3. New tower shall be designed to fall on the Police Department site.

Shirley P. Wilkins
Secretary - TPZ

* NOTE: PURSUANT TO SECTION 8-3d OF THE CONN. GENERAL STATUTES, THIS SPECIAL PERMIT WILL NOT BECOME EFFECTIVE UNTIL IT HAS BEEN RECORDED ON THE LAND RECORDS OF THE TOWN OF BLOOMFIELD. IT IS THE RESPONSIBILITY OF THE OWNER TO RECORD THIS FORM AND PAY THE RECORDING FEE. (\$10.00 FOR THE FIRST PAGE, \$5.00 EACH ADDITIONAL PAGE)

* NO BUILDING PERMITS REQUIRED IN CONNECTION WITH THE ABOVE MAY BE ISSUED UNTIL THIS SPECIAL PERMIT HAS BEEN RECORDED WITH THE TOWN CL:

CT-246B



CT-246

*Department of
Planning & Zoning*
TOWN OF BLOOMFIELD
800 BLOOMFIELD AVENUE
BLOOMFIELD
CONNECTICUT 06002
TEL 860.769.3515
FAX 860.769.3597

September 27, 2002

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

Dear Mr. Fisher:

Please be advised that, at a meeting held on September 26, 2002, the Town Plan & Zoning Commission voted to approve the request of A T & T Wireless for shared use of the tower at the Bloomfield Police Department, 785 Park Avenue.

If you have any questions regarding this action, please contact Thomas Hooper, Director of Planning, at 860-769-3515.

Very truly yours,

Shirley P. Williams/mmF
Shirley P. Williams, Secretary
Town Plan & Zoning Commission

SPW/mmF



**RF Exposure Analysis for Proposed
AT&T Wireless Antenna Facility**

SITE ID: 900-007-246

October 4, 2002

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

Table of Contents

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

1. Introduction

This report constitutes an RF exposure analysis for the proposed AT&T Wireless antenna facility to be located at 785 Park Avenue, Bloomfield, CT 06002. 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: <i>Bloomfield Police Dept.</i>	
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)	139.00 feet
Antenna Aperture Length	5 feet

3. RF Exposure Prediction

The following equations established by the FCC, in conjunction with the site data, were used to determine the levels of RF electromagnetic energy present in the vicinity of the proposed facility¹:

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

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

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

Where P_{in}/ch = Input power to antenna terminals in watts/ch, R = distance to center of radiation, h = aperture height in meters, α = 3 dB beam-width of horizontal pattern.

¹ RF exposure is measured and predicted in terms of power density in units of milliwatts (mW), a thousandth of a watt, or microwatts (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 0.002275 mW/cm² which occurs at 100 feet from the antenna facility. The chart in exhibit A also shows that the power density is only 0.002003 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	0.002275 mW/cm ²
PCS	1 mW/cm ²	5 mW/cm ²	

The maximum power density at the proposed facility represents only 0.82% of the public MPE limit for PCS frequencies.

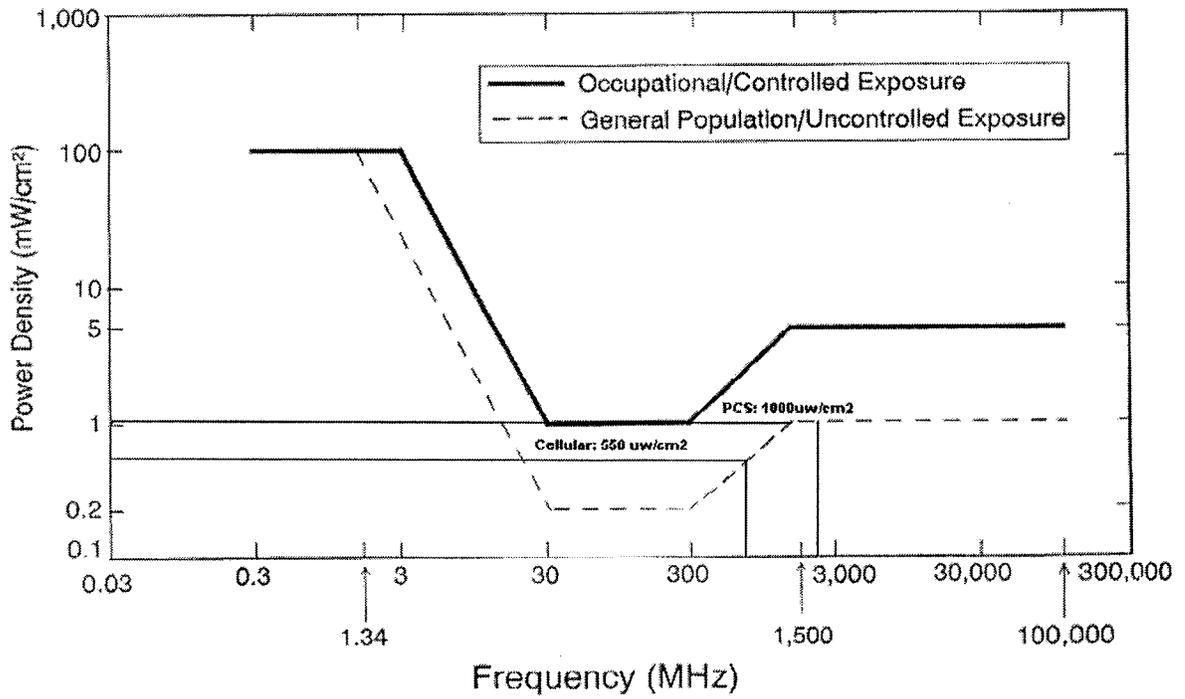
6. Conclusion

This analysis show that the maximum power density in accessible areas at this location is 0.002275 mW/cm², a level of RF energy that is well below the Maximum Permissible Exposure limit established by the FCC.

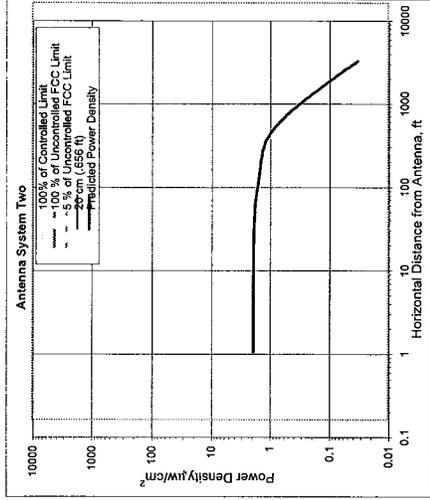
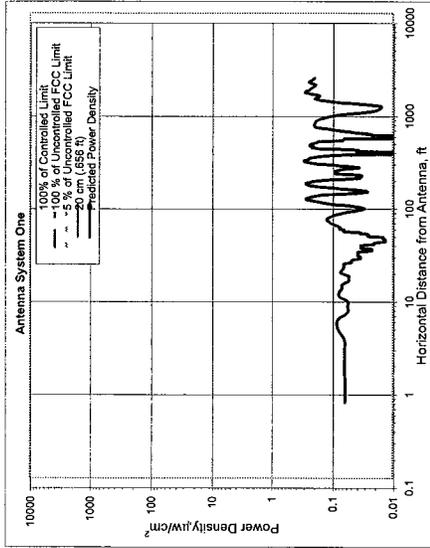
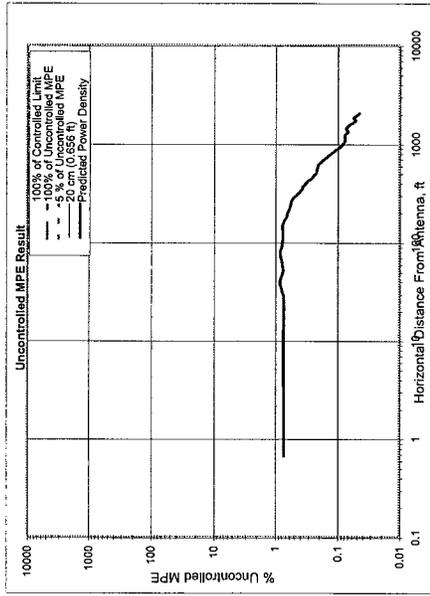
² 47 U.S. C. Section 332 (c) (7)(B)(iv) states that “[n]o State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that such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

Meets FCC Uncontrolled Limits for The Antenna Systems.

Meets 5% of FCC Uncontrolled Limits for The Antenna Systems.

No Further Analysis Required.

Power Density	Power Density	@Horiz. Dist.
mW/cm²	% of limit	feet
Maximum Power Density = 0.002275	0.82	100.00
121.28 times lower than the MPE limit for uncontrolled environment		
Composite Power (ERP) = 3.823.53	Watts	

Site ID: 907-007-246
Site Name: Bloomfield Fire Department
Site Location: 785 Park Avenue
Bloomfield, CT 06002

Performed By: Nader Soliman
Date: October 4, 2002

Antenna System One

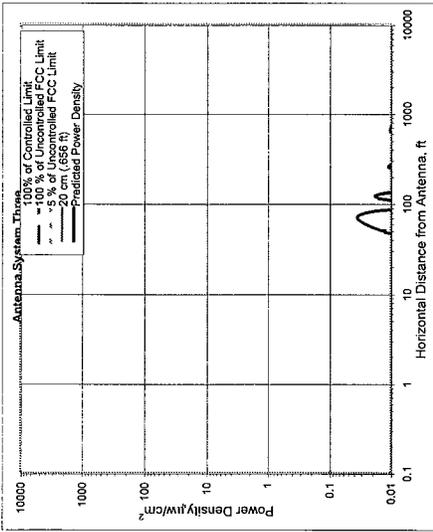
Frequency	units	Value
1945.00	MHz	
# of Channels	#	12
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	8.86
Max Pwr/Ch Into Ant. (Center of Radiator)	feet	133.00
Calculation Point (above ground or roof surface)	feet	5.00
Antenna Model No.		Allport 7250.03
Max Ant Gain	dBd	16.30
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	5.11
Ant HBW	degrees	85.00
Distance to Ant _{horiz}	feet	131.45
WOS?	Y/N?	N

Ant System ONE Owner: AT&T
Sector: 3
Azimuth: 0/120/210

Antenna System Two

Frequency	units	Value
408.00	MHz	
# of Channels	#	5
Max ERP/Ch	Watts	74.72
Max Pwr/Ch Into Ant.	Watts	9.17
Max Pwr/Ch Into Ant. (Center of Radiator)	feet	143.50
Calculation Point (above ground or roof surface)	feet	5.00
Antenna Model No.		ANT48CD5-6
Max Ant Gain	dBd	9.11
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	6.50
Ant HBW	degrees	33.00
Distance to Ant _{horiz}	feet	135.65
WOS?	Y/N?	N

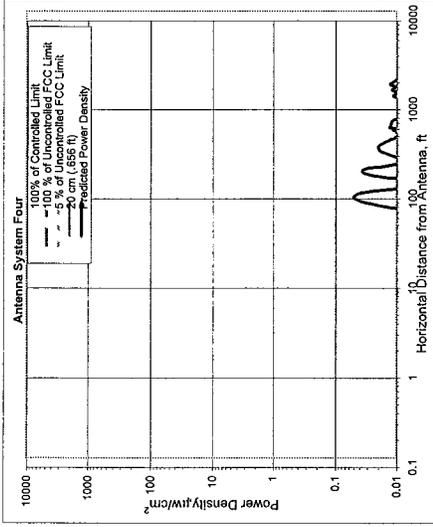
Ant System TWO Owner: Police UHF
Sector: 1
Azimuth: 360



Antenna System Three

	units	Value
Frequency	MHz	453.63
# of Channels	#	1
Max ERP/Ch	Watts	181.29
Max Pwr/Ch Into Ant.	Watts	23.84
(Center of Radiator)	feet	144.69
Calculation Point (above ground or roof surface)	feet	0.00
Antenna Model No.		09411
Max Ant Gain	dBd	8.30
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	9.40
Ant. HBW	degrees	360.00
Distance to Ant. base	feet	134.30
WGS?	Y/N?	N

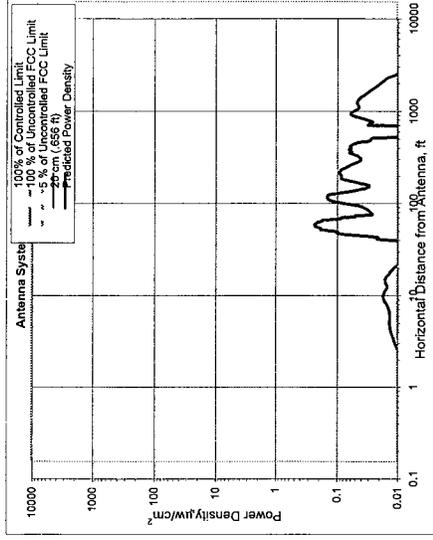
Ant System Three Owner: Police Backup Repeater
Sector: 1
Azimuth: 360



Antenna System Four

	units	Value
Frequency	MHz	33.94
# of Channels	#	1
Max ERP/Ch	Watts	66.29
Max Pwr/Ch Into Ant.	Watts	12.20
(Center of Radiator)	feet	147.20
Calculation Point (above ground or roof surface)	feet	0.00
Antenna Model No.		ASP977
Max Ant Gain	dBd	8.50
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	14.40
Ant. HBW	degrees	360.00
Distance to Ant. base	feet	135.00
WGS?	Y/N?	N

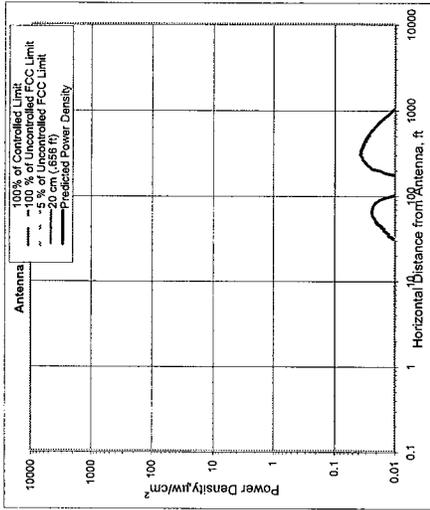
Ant System Four Owner: Hartford County Fire
Sector: 1
Azimuth: 360



Antenna System Five

	units	Value
Frequency	MHz	45.85
# of Channels	#	1
Max ERP/Ch	Watts	69.35
Max Pwr/Ch Into Ant.	Watts	12.62
(Center of Radiator)	feet	72.85
Calculation Point (above ground or roof surface)	feet	0.00
Antenna Model No.		ASP977
Max Ant Gain	dBd	8.50
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	14.40
Ant. HBW	degrees	360.00
Distance to Ant. base	feet	60.60
WGS?	Y/N?	N

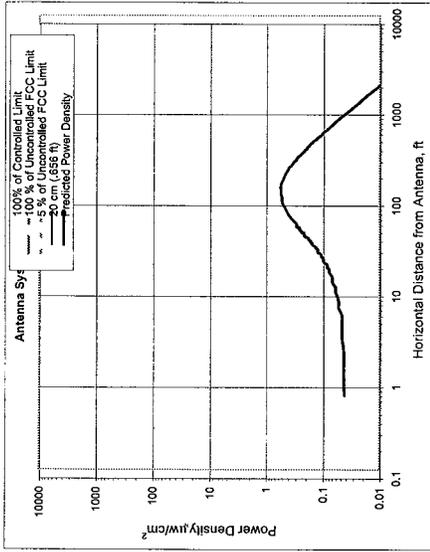
Ant System Five Owner: State Police
Sector: 1
Azimuth: 360



Antenna System Six

	units	Value
Frequency	MHz	621.61
# of Channels	#	1
Max ERP/Ch	Watts	34.88
Max Pwr/Ch Into Ant.	Watts	8.79
Max Pwr/Ch (Center of Radiator)	feet	144.56
Calculation Point (above ground or roof surface)	feet	5.69
Antenna Model No.		ES5585-XC
Max Ant Gain	dBd	8.00
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	3.50
Ant. HBW	degrees	360.00
Distance to Ant. Position	feet	1000.75
WOS?	Y/N?	N

Ant System SIX Owner: NPSAC
Sector: 1
Azimuth: 360



Antenna System Seven

	units	Value
Frequency	MHz	480.05
# of Channels	#	2
Max ERP/Ch	Watts	39.02
Max Pwr/Ch Into Ant.	Watts	7.27
Max Pwr/Ch (Center of Radiator)	feet	244.00
Calculation Point (above ground or roof surface)	feet	5.00
Antenna Model No.		729J
Max Ant Gain	dBd	7.30
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	10.00
Ant. HBW	degrees	360.00
Distance to Ant. Position	feet	54.00
WOS?	Y/N?	N

Ant System SEVEN Owner: RAFS
Sector: 1
Azimuth: 360

9. For Further Information

Additional information about the environmental impact of RF energy from personal wireless antenna facilities can be obtained from the Federal Communications Commission:

Dr. Robert Cleveland
Federal Communications Commission
Office of Engineering and Technology
Washington, DC 20554

RF Safety Program: 202-418-2464
Internet address: rfsafety@fcc.gov
RF Safety Web Site: www.fcc.gov/oet/rfsafety

10. References

- [1] The Communications Act of 1934, as amended by the Telecommunications Act of 1996, 47 U.S.C. Section 332 (c)(7)(B)(iv).
- [2] *Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation*, Notice of Proposed Rulemaking, ET Docket 93-62, 8 FCC Rcd 2849 (1993).
- [3] *Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation*, Report and Order, ET Docket 93-62, FCC 96-326, adopted August 1, 1996. 61 Federal Register 41006 (1996).
- [4] *Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation*, Second Memorandum Opinion and Order, ET Docket 93-62, adopted August 25, 1997.
- [5] *Evaluating Compliance with FCC Guidelines for Human Exposure to Radio frequency Electromagnetic Fields*, OET Bulletin 65, August, 1997.