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

Kenneth C. Baldwin
Robinson & Cole
280 Trumbull Street
Hartford, CT 06103-3597

RE: **EM-VER-011-021017** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 785 Park Avenue, Bloomfield, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on November 7, 2002, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated October 17, 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 Faith McMahon, Mayor, Town of Bloomfield
Thomas B. Hooper, Director of Planning, Town of Bloomfield
Christopher B. Fisher, Esq., Cuddy & Feder & Worby LLP

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E-Mail: siting.council@po.state.ct.us
Web Site: www.state.ct.us/csc/index.htm

October 18, 2002

Honorable Faith McMahon
Mayor
Town of Bloomfield
Town Hall
800 Bloomfield Avenue
P. O. Box 337
Bloomfield, CT 06002-0337

RE: **EM-VER-011-021017** – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 785 Park Avenue, Bloomfield, Connecticut.

Dear Mayor McMahon:

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 tentatively 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 Intent

c: Thomas B. Hooper, Director of Planning, Town of Bloomfield
Louie Chapman, Jr., Town Manager, Town of Bloomfield

ROBINSON & COLE LLP

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

EM-VER-011-021017

October 17, 2002

Via Hand Delivery

S. Derek Phelps
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Notice of Exempt Modification**
785 Park Avenue
Bloomfield, Connecticut

Dear Mr. Phelps:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") intends to install antennas on the approved 140-foot monopole tower, at 785 Park Avenue, Bloomfield, Connecticut. The tower is owned and operated by the Town of Bloomfield (the "Town) and is intended, primarily, to support municipal and State emergency service antennas. AT&T recently submitted a tower share request to the Siting Council for the shared use of this facility (TS-AT&T-011-021008). This shared use request is scheduled to be heard by the Council on October 23, 2002.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to the Bloomfield Mayor, Faith McMahon.

The facility consists of a 140-foot self-supporting tower, capable of supporting multiple carriers. Cellco proposes to install twelve (12) panel-type antennas at the 109-foot level on the tower and a 15' x 15' single-story equipment shelter near the base of the tower. (See attached Project Plans).

The planned modifications to the Bloomfield facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modification will not increase the overall height of the existing tower. Cellco's antennas will be mounted with their centerline at the 109-foot level on the 140-foot tower.

2. The proposed installation of twelve (12) panel-type antennas and a 15' x 15' equipment shelter will not require an extension of the site boundaries.

3. The proposed antenna modification will not increase the noise levels at the facility by six decibels or more.

4. The operation of the antennas will not increase radio frequency (RF) power density levels at the facility to a level at or above the Federal Communications Commission (FCC) adopted safety standard. Pursuant to the RF Exposure Analysis prepared for the AT&T filing to the Siting Council, the cumulative worst-case RF power density calculations for the Municipal, State and AT&T antennas would be 0.82% of the applicable FCC standard. The worst-case power density calculations for Cellco would be 9.60% of the FCC standard (see attached power density calculations table). The total power density emissions level for the site would be 10.42% of the FCC standard, as measured for mixed frequency sites.

Also attached is an engineer's certification stating that the tower can support the antennas and associated equipment of the Town, State, AT&T and Cellco.

For the foregoing reasons, Cellco respectfully submits that the proposed antenna installation at the Bloomfield facility tower constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

Kenneth C. Baldwin

KCB/cag
Attachments
cc: Faith McMahon, Mayor
Sandy M. Carter

Cellco Partnership

d.b.a. verizon wireless

WIRELESS COMMUNICATIONS FACILITY

BLOOMFIELD III
785 PARK AVENUE
BLOOMFIELD, CT 06002

PROJECT SUMMARY

SITE NAME:	BLOOMFIELD III
SITE ADDRESS:	785 PARK AVENUE BLOOMFIELD, CT 06002
PROPERTY OWNER:	TOWN OF BLOOMFIELD 800 BLOOMFIELD AVE. BLOOMFIELD, CT 06002
LESSOR:	TOWN OF BLOOMFIELD POLICE DEPARTMENT 785 PARK AVENUE BLOOMFIELD, CT 06002
LESSEE:	INTEGRATED WIRELESS SERVICES, LLC 63-1 NORTH BRANFORD ROAD BRANFORD, CT 06405 (203) 483-9656
SUB-LESSEE:	CELLCO PARTNERSHIP 99-101 EAST RIVER DR. EAST HARTFORD, CT 06108
APPLICANT:	CELLCO PARTNERSHIP 99-101 EAST RIVER DR. EAST HARTFORD, CT 06108
CONTACT PERSON:	SANDY CARTER CELLCO PARTNERSHIP (860) 803-8219
CENTER OF TOWER:	LATITUDE: 41° 49' 42.553" LONGITUDE: 72° 44' 01.297" ELEVATION: 120.8'± AMSL REFERENCED 2 C LETTER BY: MARTINEZ & COUCH DATED OCTOBER 10, 2001

GENERAL NOTES

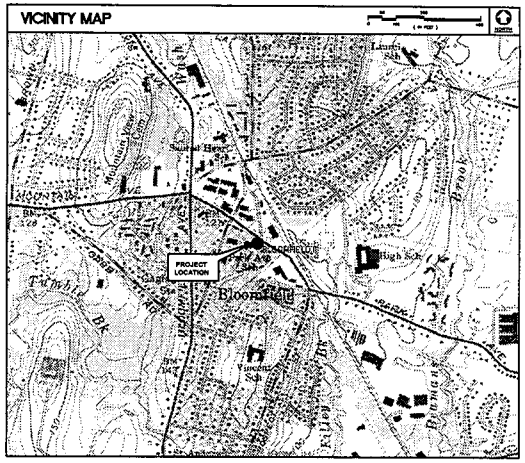
1. PROPOSED AND EXISTING ANTENNA LOCATIONS AND HEIGHTS PROVIDED BY CELLCO PARTNERSHIP.

SITE DIRECTIONS

FROM: 99-101 EAST RIVER DR.,EAST HARTFORD, CT.
785 PARK AVENUE, BLOOMFIELD, CT 06002

START OUT BY TURNING RIGHT ONTO E RIVER DR. STAY STRAIGHT TO GO ONTO E RIVER DR. EXT/US-5. TURN LEFT ONTO MAIN ST/US-5. TAKE THE I-84 W RAMP. MERGE ONTO US-6 W. TAKE THE I-91 N EXIT, EXIT No 51 TOWARDS SPRINGFIELD. MERGE ONTO 9-91 N. TAKE THE CT-218/I-291 EXIT, EXIT No. 35A-35B TOWARDS WINDSOR / BLOOMFIELD / MANCHESTER. KEEP LEFT AT THE FORK IN THE RAMP, TURN LEFT ONTO CT-218/PUTNAM HWY. CT-218/PUTNAM HWY BECOMES CT-218/W WOLCOTT AVE.. CT-218/W WOLCOTT AVE. BECOMES CT-218/COTTAGE GROVE RD.. TURN RIGHT ONTO BLUE HILLS AVE./CT-187. TURN SLIGHT LEFT ONTO PARK AVE.. PARK AVE. BECOMES PARK AVE./CT-178.

VICINITY MAP



LEGEND

SYMBOL	DESCRIPTION
	SECTION OR DETAIL NUMBER SHEET WHERE DETAIL/SECTION OCCURS
	ELEVATION NUMBER SHEET WHERE ELEVATION OCCURS

SHEET INDEX

SHT. NO.	DESCRIPTION	REV. NO.
T-1	TITLE SHEET	01
C-1	COMPOUND PLAN AND TOWER ELEVATION	01

REVISIONS		
00	09/04/02	SITING COUNCIL REVIEW
01	10/05/02	REVISED SITING COUNCIL

Cellco Partnership
d.b.a. verizon wireless

Natcomm, LLC
63-2 North Branford Road
Branford, Connecticut 06405
Tel. (203) 488-0580
Fax (203) 488-8587

REVIEW SET
NOT FOR CONSTRUCTION

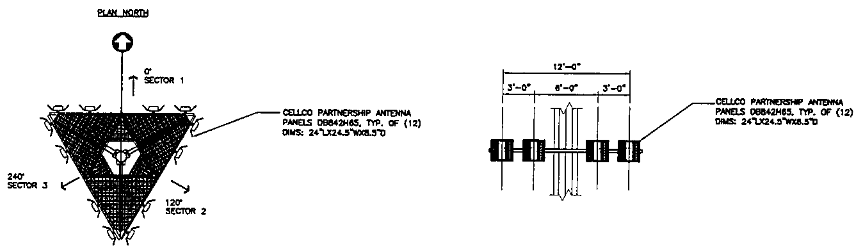
BLOOMFIELD III
785 PARK AVENUE
BLOOMFILED, CT 06002

PROJECT NO:	911C
DRAWN BY:	AAJ
CHECKED BY:	CFC
SCALE:	AS NOTED
DATE:	11/28/01

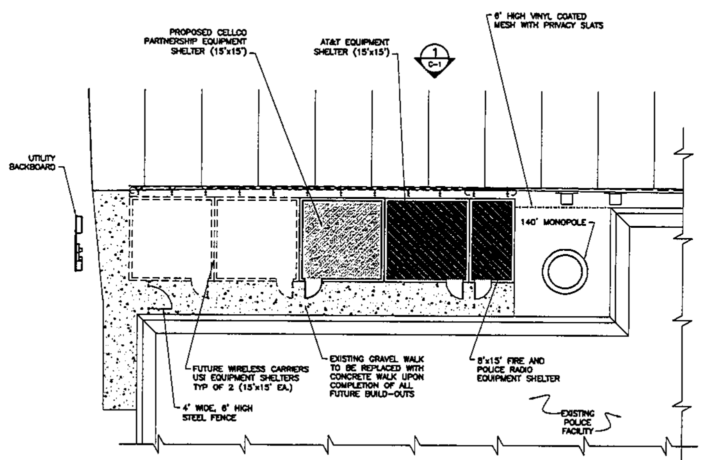
TITLE SHEET

T-1
DWG. 1 OF 2

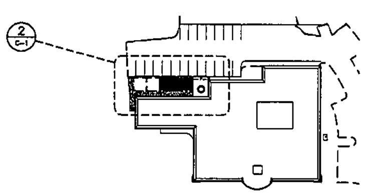
F:\DATA\NATCOMM\Proj.Dir\911C\CS\C911C-SC.dwg, T-1



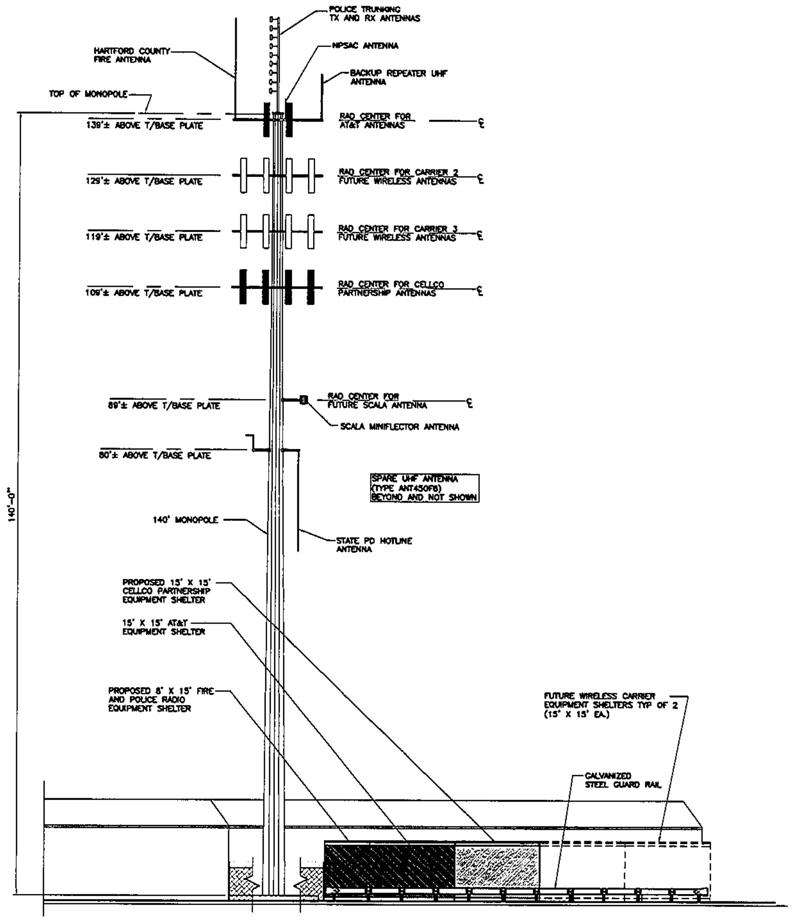
3 C-1 ANTENNA MOUNTING CONFIGURATION
NOT TO SCALE



2 C-1 COMPOUND PLAN
SCALE: 1" = 10'



KEY PLAN
SCALE: N.T.S.



1 C-1 ELEVATION
SCALE: 1" = 10'

REVISIONS		
00	09/04/02	SITING COUNCIL REVIEW
01	10/05/02	REVISED SITING COUNCIL

Cellco Partnership
d.b.a. verizon wireless

NATCOMM
Natcomm, LLC
Consulting Engineers · Project Management
Civil · Structural · Mechanical · Electrical

REVIEW SET
NOT FOR CONSTRUCTION
PROFESSIONAL ENGINEER SEAL

BLOOMFIELD III
785 PARK AVENUE
BLOOMFILED, CT 06002

PROJECT NO:	911C
DRAWN BY:	AAJ
CHECKED BY:	CFC
SCALE:	AS NOTED
DATE:	11/28/01

COMPOUND AND ELEVATION

C-1
DWG. 2 OF 2

F:\DATA\NATCOMM\Proj-Dir\911C\CSC\911C-SC.dwg, C-1

NATCOMM, LLC

Consulting Engineers

October 9, 2002

Mr. Mark Gauger
Verizon Wireless
99-101 East River
East Hartford, CT 06002

Re: *Verizon ~ Bloomfield III*
785 Park Ave.,
Bloomfield, CT 06002

Natcomm Project No. 911C

Dear Mark,

We have reviewed the proposed Verizon antenna installation at the above referenced site. The purpose of the review is to determine the adequacy of an existing 140ft monopole to support the proposed antennas. The review considered the effects of wind load, dead load, ice load and seismic forces in accordance with TIA/EIA-222-F and Connecticut State Building Code. Structural design documents prepared by Paul J. Ford and Company job #29202-0288 dated August 13, 2002 were used as reference material.

The existing antenna configuration is as follows:

- AT&T: Six (6) Allgon 7250.03 mounted on 14ft platform with handrail at an elevation of 140ft.

The proposed additional antenna loading is as follows:

- Verizon: Twelve (12) DB842H65 mounted on 14ft platform with handrail at an elevation of 109ft.

The future antenna loading is as follows:

- Future: One (1) DB205 panel mounted to 14ft platform at an elevation of 140ft.
- Future: One (1) Celwave PD1610 mounted to 14ft platform at an elevation of 140ft.
- Future: One (1) Telewave ANT450D6-9 & ANT450F6 mounted to 14ft platform at an elevation of 140ft.
- Future: Twelve (12) DB844H90 panel mounted on 14ft. low profile platform at an elevation of 129ft.
- Future: Twelve (12) DB844H90 panel mounted on 14ft. low profile platform at an elevation of 119ft.
- Future: One (1) SCALA MF-900B Rectangular grid at an elevation of 89ft.
- Future: Three (3) DB205 panel mounted on 6ft stiff arm mounts at an elevation of 71ft.

Based on the information provided, the existing structure meets all the requirements of the TIA/EIA-222-F standards for a basic wind speed of 80mph and ½"radial ice.

In conclusion, the existing 140ft monopole is adequate to support the proposed Verizon antennas. If there are any questions regarding this matter, please feel free to call.

Submitted by:

Emad M. Mourad, P.E.
Structural Engineer

STATE OF CONNECTICUT
CARLO F. CENTORE
No. 16894
LICENSED
PROFESSIONAL ENGINEER

(203) 488-0580 • Fax (203) 488-8587 • www.natcommllc.com 63-2 North Branford Rd. Branford, CT 06405

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

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: *Bloomfield Police Dept.*	
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 facility[1]:

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

Where, N= Number of channels, R= distance in cm from the RC (Radiation Center) of antenna, and $EIRP(\theta)$ = 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.

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

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

[1] RF exposure is measured and predicted in terms of power density in units of milliwatts (mW), a thousandth of a watt, or microwatts (μ W), a millionth of a watt, per square centimeter (cm^2). Data comparing predictive analysis with on site measurements has demonstrated that power density can be effectively predicted at given locations in the vicinity of a wireless antenna facility.

4. FCC Guidelines for Evaluating the Environmental Effects of RF Radiation

In 1985, the FCC established rules to regulate radio frequency (RF) exposure from FCC licensed antenna facilities. In 1996, the FCC updated these rules, which were further amended in August 1997 by a Second Memorandum Opinion and Order. These new rules represent a consensus of the federal agencies responsible for the protection of public health and the environment, including the Environmental Protection Agency (EPA), the Food and Drug Administration (FDA), the National Institute for Occupational Health and Safety (NIOSH), and the Occupational Safety and Health Administration (OSHA).

Under the laws that govern the delivery of wireless communications services in the United States, as amended by the Telecommunications Act of 1996, the FCC has exclusive jurisdiction over RF emissions from personal wireless antenna facilities, which include cellular, PCS, messaging and aviation sites. [2] Pursuant to its authority under federal law, the FCC has established rules to regulate the safety of emissions from these facilities.

5. Comparison with Standards

Exhibit A shows the levels of RF electromagnetic energy as one moves away from the antenna facility. As shown in Exhibit A, the maximum power density is 0.002275 mW/cm^2 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/cm^2 at a distance of 4 feet. Table 1 below shows the Maximum Permissible Exposure (MPE) limits established by the FCC. There are different MPE limits for public/uncontrolled and occupational/controlled environments.

Table 1: Maximum Permissible Exposure limits for RF radiation

Frequency	*Public/Uncontrolled*	*Occupational/controlled*	*Maximum power density at Accessible location*
Cellular	.580 mW/cm^2	2.9 mW/cm^2	0.002275 mW/cm^2
PCS	1 mW/cm^2	5 mW/cm^2	

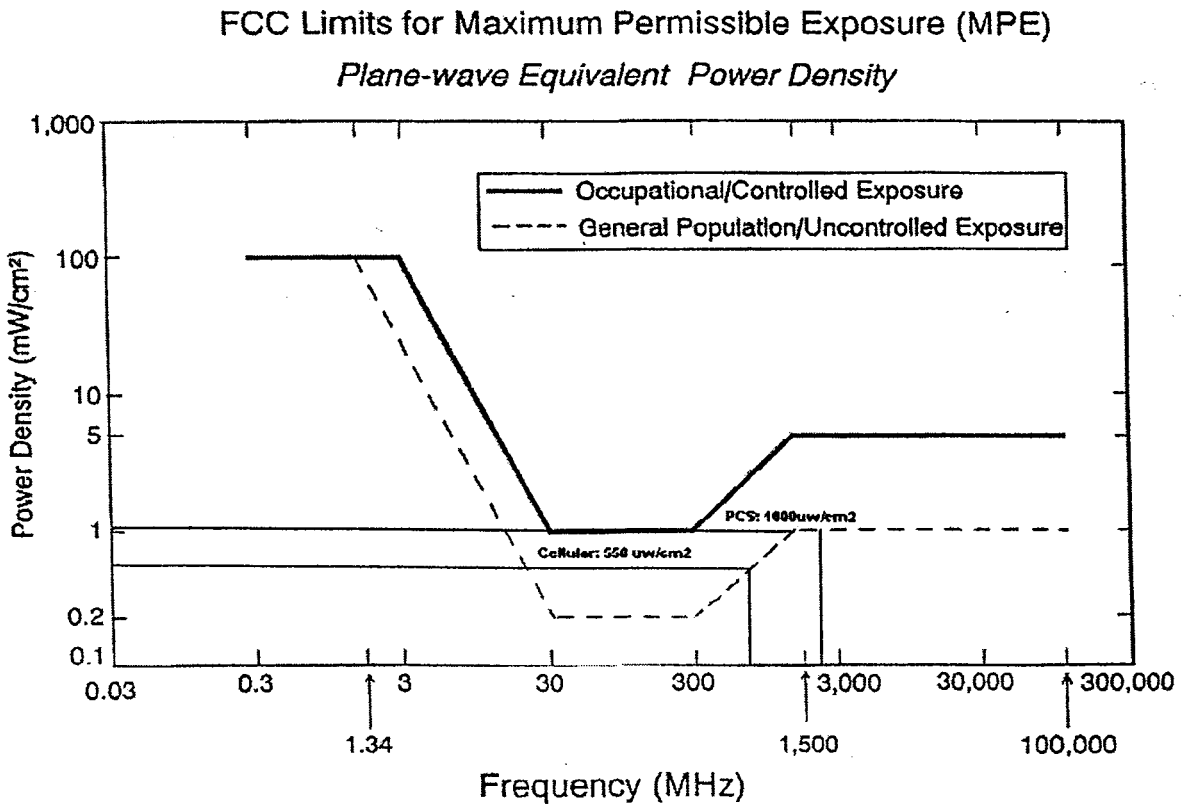
The maximum power density at the proposed facility represents only 0.82% of the public MPE limit for PCS frequencies.

6. Conclusion

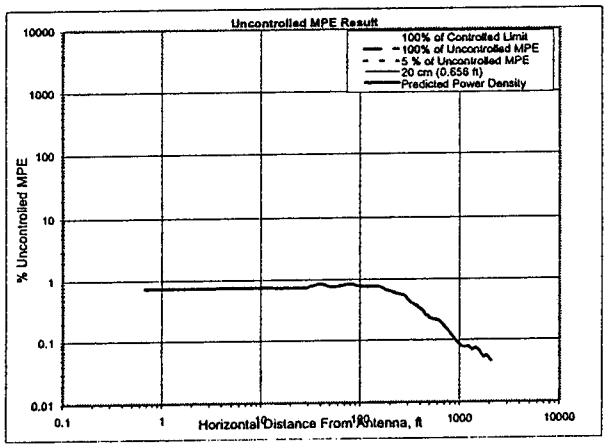
This analysis show that the maximum power density in accessible areas at this location is 0.002275 mW/cm^2, a level of RF energy that is well below the Maximum Permissible Exposure limit established by the FCC.

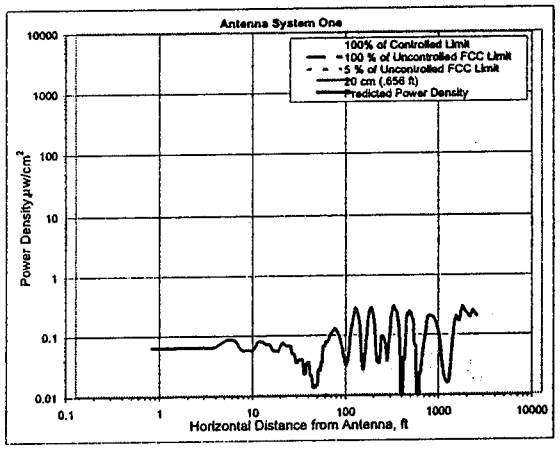
[2] 47 U.S. C. Section 332 (c) (7)(B)(iv) states that "[n]o State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that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

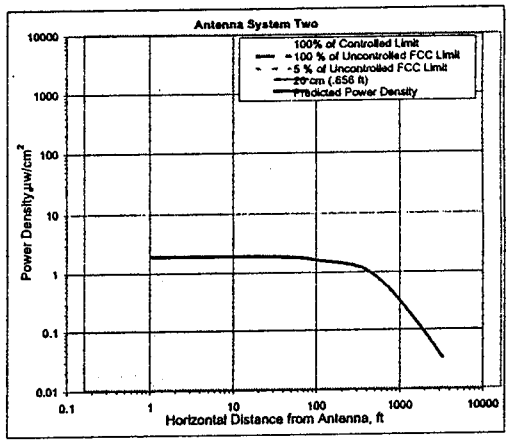
7. FCC Limits for Maximum Permissible Exposure



8. Exhibit A







Number of Antenna Systems: 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		@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

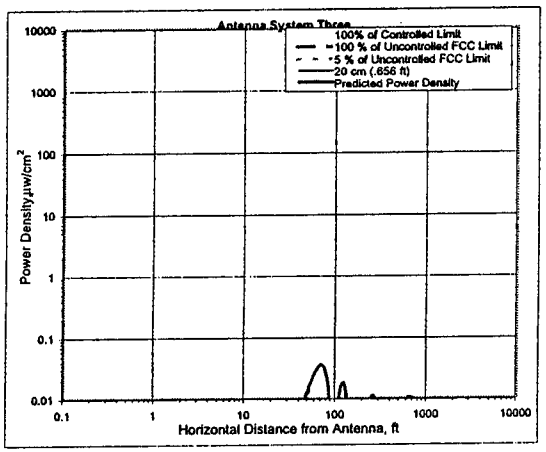
	units	Value
Frequency	MHz	1945.00
# of Channels	#	12
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	5.86
(Center of Radiator)	feet	139.00
Calculation Point (above ground or roof surface)	feet	5.00
		0.00
		0.00
Antenna Model No.		Allgon 7250.03
Max Ant Gain	dBd	16.30
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	5.11
Ant HBW	degrees	65.00
Distance to Ant_{bottom}	feet	131.45
WOS?	Y/N?	n

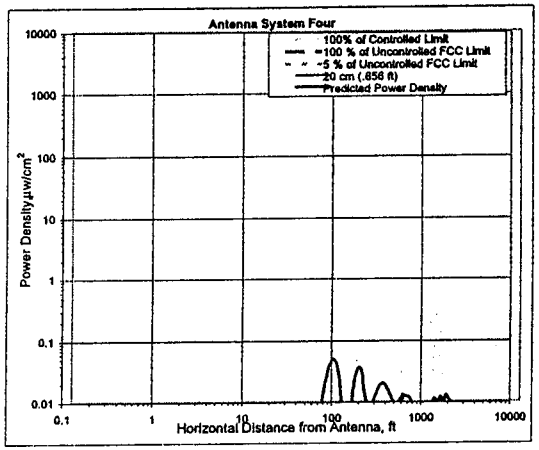
Ant System ONE Owner: AT&T
Sector: 3
Azimuth: 0/120/210

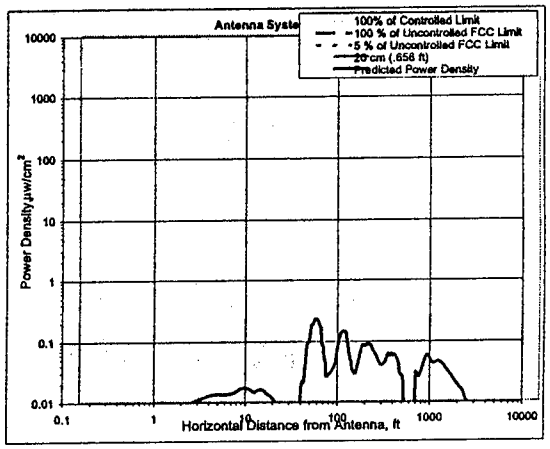
Antenna System Two

	units	Value
Frequency	MHz	406.00
# of Channels	#	5
Max ERP/Ch	Watts	74.72
Max Pwr/Ch Into Ant.	Watts	9.17
(Center of Radiator)	feet	143.50
Calculation Point (above ground or roof surface)	feet	5.00
		0.00
		0.00
Antenna Model No.		ANT450D6-9
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_{bottom}	feet	135.25
WOS?	Y/N?	n

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







Antenna System Three

	units	Value
Frequency	MHz	453.83
# of Channels	#	1
Max ERP/Ch	Watts	161.20
Max Pwr/Ch Into Ant.	Watts	23.84
(Center of Radiator)	feet	144.00
Calculation Point (above ground or roof surface)	feet	5.00
		0.00
		0.00
Antenna Model No.		DB411
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_{bottom}	feet	134.30
WOS?	Y/N?	n

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

Antenna System Four

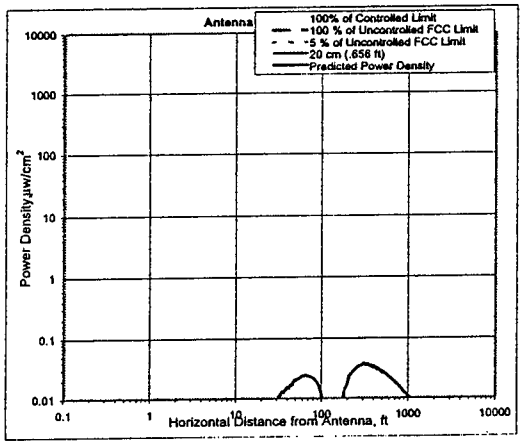
	units	Value
Frequency	MHz	33.94
# of Channels	#	1
Max ERP/Ch	Watts	86.35
Max Pwr/Ch Into Ant.	Watts	12.20
(Center of Radiator)	feet	147.20
Calculation Point (above ground or roof surface)	feet	5.00
		0.00
		0.00
Antenna Model No.		ASP977
Max Ant Gain	dBd	8.50
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	14.40
Ant HBW	degrees	360.00
Distance to Ant_{bottom}	feet	135.00
WOS?	Y/N?	n

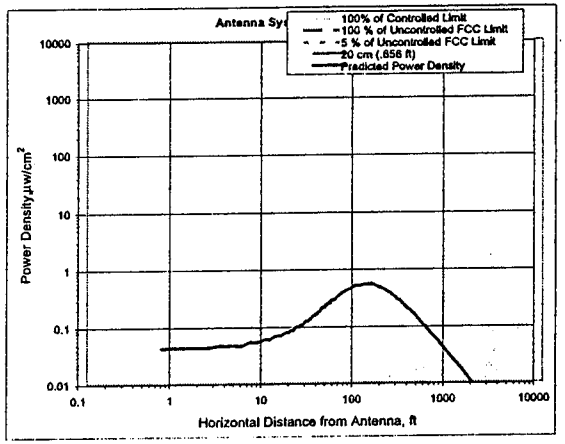
Ant System Four Owner: Hartford County Fire
Sector: 1
Azimuth: 360

Antenna System Five

	units	Value
Frequency	MHz	45.86
# of Channels	#	1
Max ERP/Ch	Watts	69.36
Max Pwr/Ch Into Ant.	Watts	12.62
(Center of Radiator)	feet	72.80
Calculation Point (above ground or roof surface)	feet	5.00
		0.00
		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_{bottom}	feet	60.80
WOS?	Y/N?	n

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





Antenna System Six

	units	Value
Frequency	MHz	821.01
# of Channels	#	1
Max ERP/Ch	Watts	34.98
Max Pwr/Ch Into Ant.	Watts	8.79
(Center of Radiator)	feet	141.50
Calculation Point (above ground or roof surface)	feet	5.00
		0.00
		0.00
Antenna Model No.		DB586-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_{bottom}	feet	134.75
WOS?	Y/N?	n

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

Antenna System Seven

	units	Value
Frequency	MHz	460.06
# of Channels	#	2
Max ERP/Ch	Watts	39.02
Max Pwr/Ch Into Ant.	Watts	7.27
(Center of Radiator)	feet	94.00
Calculation Point (above ground or roof surface)	feet	5.00
		0.00
		0.00
Antenna Model No.		Yagi
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	60.00
Distance to Ant_{bottom}	feet	84.00
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.

Site Name: Bloomfield 3, CT
Tower Height: 109 ft rad center

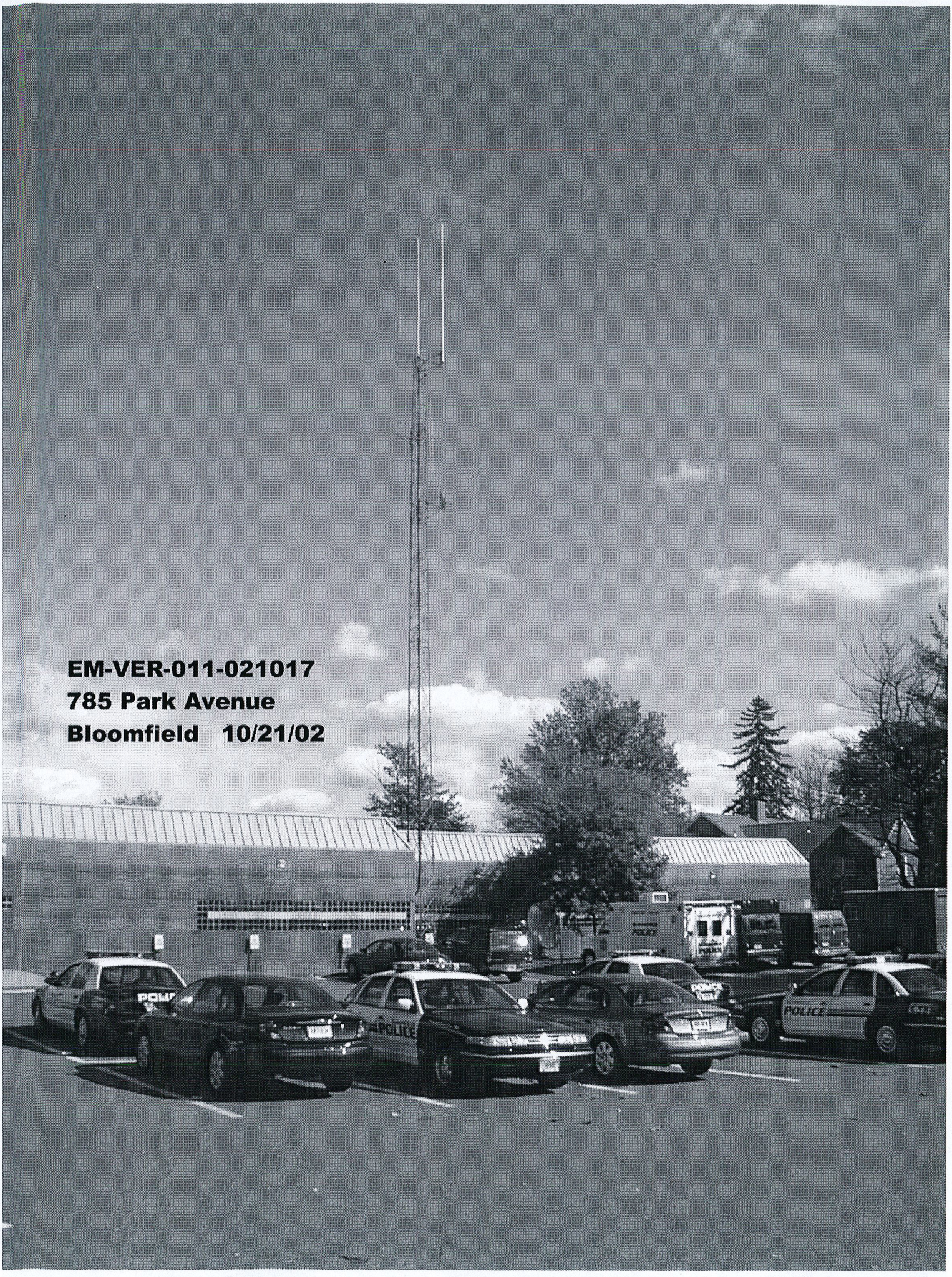
Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissable Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
Verizon	880	9	200	1800	109	0.0545	0.56733	9.60%
							0.56733	0.00%

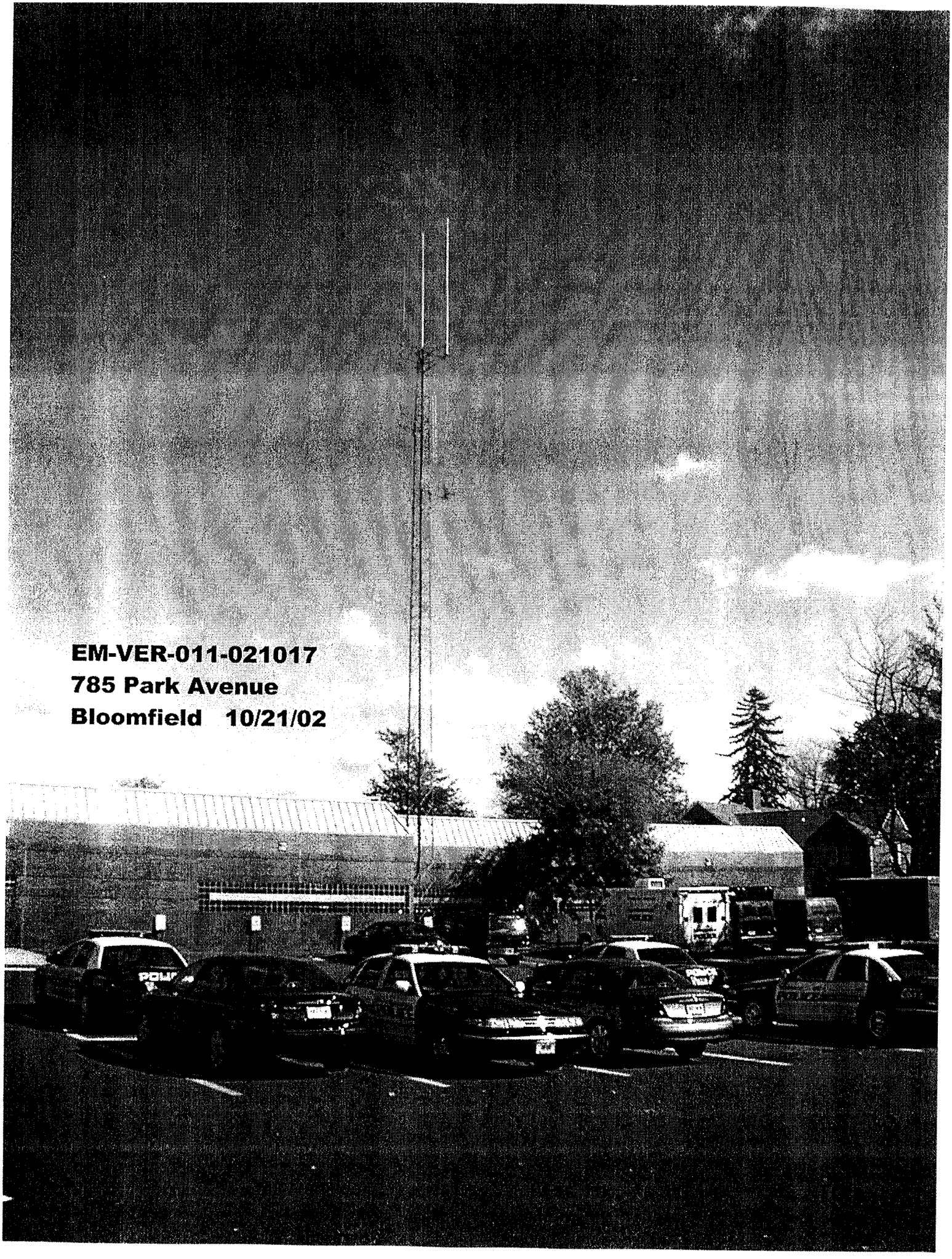
Total Percentage of Maximum Permissible Exposure

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

MHz = Megahertz
mW/cm^2 = milliwatts per square centimeter
ERP = Effective Radiated Power

Absolute worst case scenario, maximum values used.


EM-VER-011-021017
785 Park Avenue
Bloomfield 10/21/02
POLICE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