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

January 29, 2003

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

RE: **EM-VER-085-030114** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 88 Main Street, Monroe, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on January 28, 2003, 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 January 14, 2003. 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 Andrew J. Nunn, First Selectman, Town of Monroe
Daniel A. Tuba, Planning Administrator, Town of Monroe
Stephen J. Humes, Esq., LeBoeuf, Lamb, Greene & MacRae
Christopher B. Fisher, Esq., Cuddy & Feder & Worby LLP
Michele G. Briggs, Southwestern Bell Mobile Systems

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

January 15, 2003

Honorable Andrew J. Nunn
First Selectman
Town of Monroe
Town Hall
7 Fan Hill Road
Monroe, CT 06468-1800

RE: **EM-VER-085-030114** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 88 Main Street, Monroe, Connecticut.

Dear Mr. Nunn:

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 January 28, 2003, 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: Daniel A. Tuba, Planning Administrator, Town of Monroe

I:\siting\em\bam-ver\monroe\nunn.doc

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-085-030114

January 14, 2003

Via Hand Delivery

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

Re: **Notice of Exempt Modification**
88 Main Street
Monroe, Connecticut

Dear Mr. Phelps:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") intends to install antennas on the existing tower at 88 Main Street in Monroe, Connecticut. The Siting Council approved the shared use of this facility by AT&T at the 175-foot level on May 7, 2002 (EM-AT&T-085-020422). 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 Monroe First Selectman, Andrew Nunn.

The tower is owned and operated by T-Mobile, formerly VoiceStream Wireless ("T-Mobile"). The facility consists of a 195-foot self-supporting monopole tower, capable of supporting multiple carriers within an approximately 50' x 50' site compound. Cellco proposes to install twelve (12) panel-type antennas at the 165-foot level on the tower and a 12' x 30' single-story equipment shelter near the base of the tower. (See attached Project Plans).

The planned modifications to the Monroe 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 165-foot level on the 195-foot tower.

2. The proposed installation of twelve (12) panel-type antennas and a 12' x 30' 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 for the T-Mobile and AT&T antennas would be 0.05% of the applicable FCC Standard. A copy of the report is attached. The worst-case RF power density calculations for Cellco antennas would be 4.19% of the applicable FCC standard (see attached power density calculations table). The total worst-case radio frequency emission levels for the site would therefore be 4.24% of the FCC standard, as measured for mixed frequency sites.

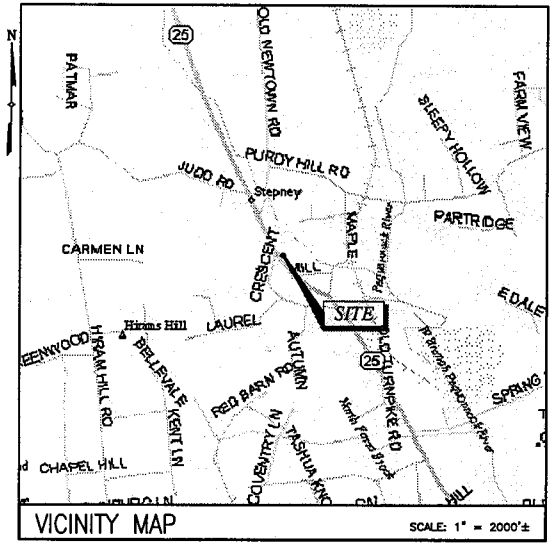
Also attached is an engineer's certification verifying that the tower can accommodate T-Mobile, AT&T and Cellco antennas and related equipment.

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

Sincerely,

Kenneth C. Baldwin

Attachments
cc: Andrew Nunn, Monroe First Selectman
Sandy M. Carter



verizonwireless

SITE NAME:

MONROE SOUTH

88 MAIN STREET
MONROE, CT 06468
FAIRFIELD COUNTY

PROJECT INDEX

SITE NAME:	MONROE SOUTH
PROJECT #:	01011050450
LOCATION CODE:	1700422156
SITE ADDRESS:	88 MAIN STREET MONROE, CT 06468 FAIRFIELD COUNTY
PROPERTY OWNER:	STEPNEY VOLUNTEER FIRE DEPARTMENT 88 MAIN STREET MONROE, CT 06486
APPLICANT:	VERIZON WIRELESS 99 EAST RIVER DRIVE EAST HARTFORD, CT
JURISDICTION:	TOWN OF MONROE
TAX IDENTIFICATION:	MAP 12, PARCEL 19, LOT 00
SITE COORDINATES:	LATITUDE: 41° 18' 02" N LONGITUDE: 73° 14' 45" W

0 1 2 3 4
ORIGINAL SIZE IN INCHES

MONROE SOUTH
PROJECT #: 01011050450
LOCATION CODE: 1700422156
88 MAIN STREET
MONROE, CT 06468

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	1/13/03	ISSUED FOR APPROVAL	WRB		

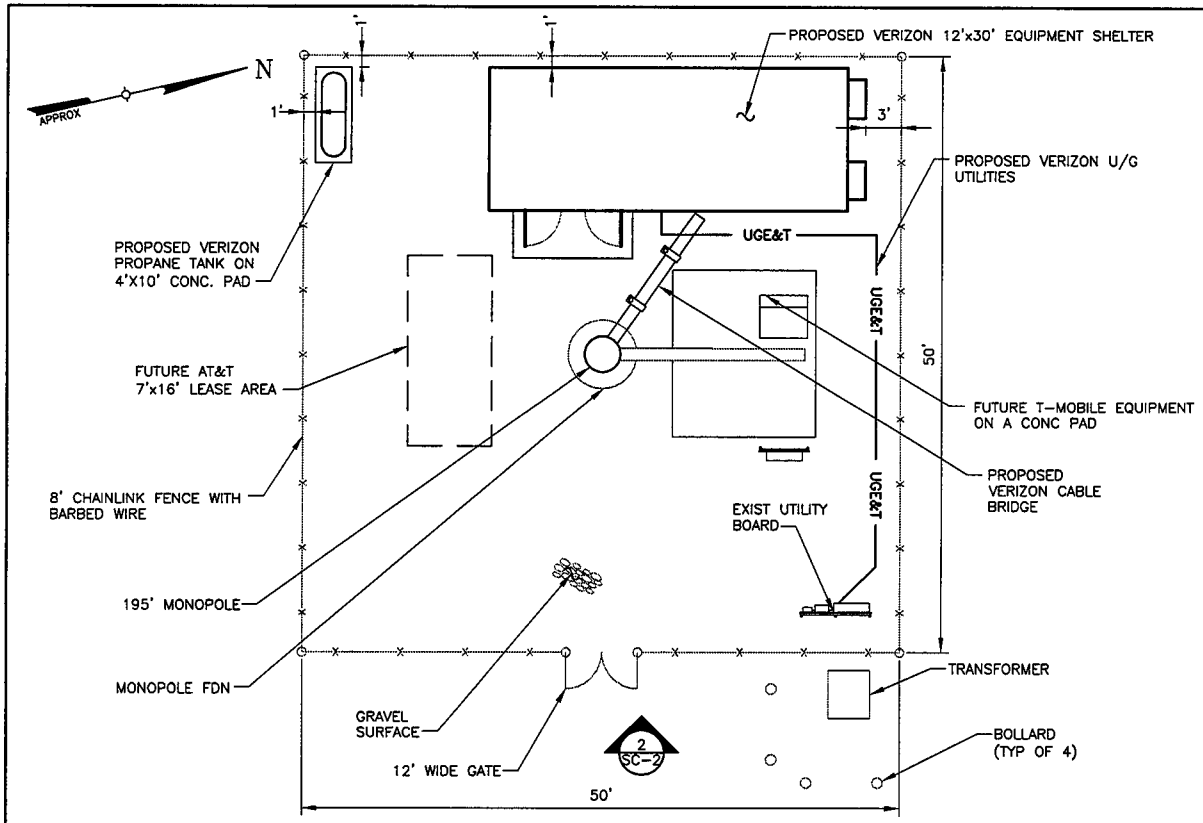
SCALE: NONE | DESIGNED BY: JDF | DRAWN BY: WRB

verizonwireless
VERIZON WIRELESS
99 EAST RIVER DRIVE
EAST HARTFORD, CT

TECTONIC /KEYES ASSOCIATES
1344 SILAS DEANE HIGHWAY, SUITE 300
ROCKY HILL, CT 06067-1348
OFFICE: (860)563-2341
FAX: (860)257-4662

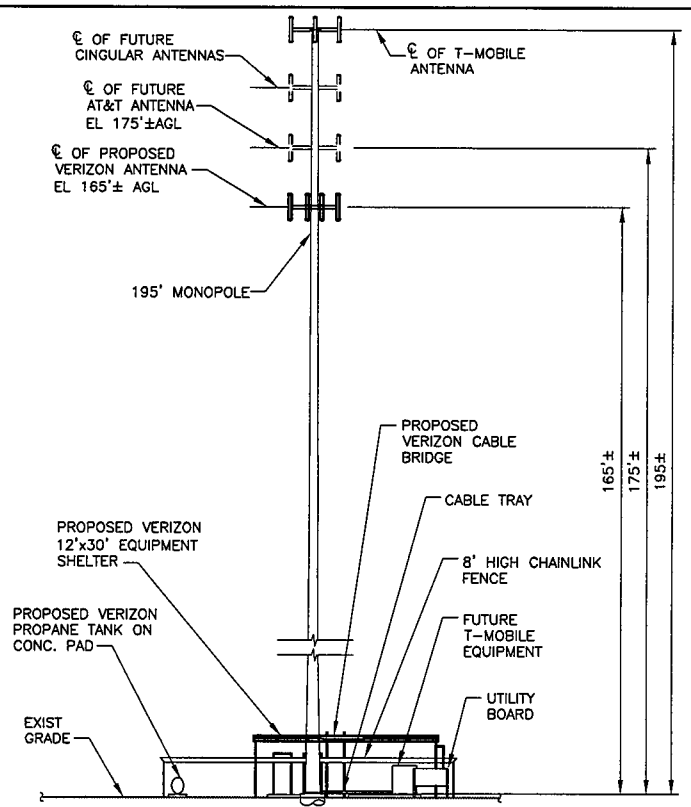
TITLE SHEET

DATE	WORK ORDER NO.	DRAWING NUMBER	REV
1/13/02	2994.MONROESOUTH	SC-1	0



1 SC-2 SITE PLAN

SCALE: 1"=10'



2 SC-2 ELEVATION

SCALE: 1"=20'

0 1 2 3 4

ORIGINAL SIZE IN INCHES

MONROE SOUTH

PROJECT #: 01011050450

LOCATION CODE: 1700422156

88 MAIN STREET

MONROE, CT 06468

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	1/13/03	ISSUED FOR APPROVAL	WRB		

SCALE: NONE | DESIGNED BY: JDF | DRAWN BY: WRB

verizonwireless

VERIZON WIRELESS
99 EAST RIVER DRIVE
EAST HARTFORD, CT

TECTONIC /KEYES ASSOCIATES

1344 SILAS DEANE HIGHWAY, SUITE 500
ROCKY HILL, CT 06067-1349

OFFICE: (860)563-2341
FAX: (860)257-4682

SITE PLAN & ELEVATION

DATE	WORK ORDER NO.	DRAWING NUMBER	REV
1/13/02	2994.MONROESOUTH	SC-1	0

General Power Density

Site Name: Monroe South, CT
Tower Height: 165 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	165	0.0238	0.56733	4.19%
Total Percentage of Maximum Permissible Exposure								**4.19%**

*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.

RF Exposure Analysis for Proposed AT&T Wireless Antenna Facility

SITE ID: 913-010-189

April 3, 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 *88 Main Street; Monroe, CT 06468.* 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: ***Monroe South***	
Number of simultaneously operating channels	16
Type of antenna	Allgon 7250.03
Power per channel (Watts ERP)	250.0 Watts
Height of antenna (feet AGL)	175.00 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 0.000479 mW/cm^2 which occurs at 140 feet from the antenna facility. The chart in exhibit A also shows that the power density is only 0.000050 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	0.000479 mW/cm^2
PCS	1 mW/cm^2	5 mW/cm^2	

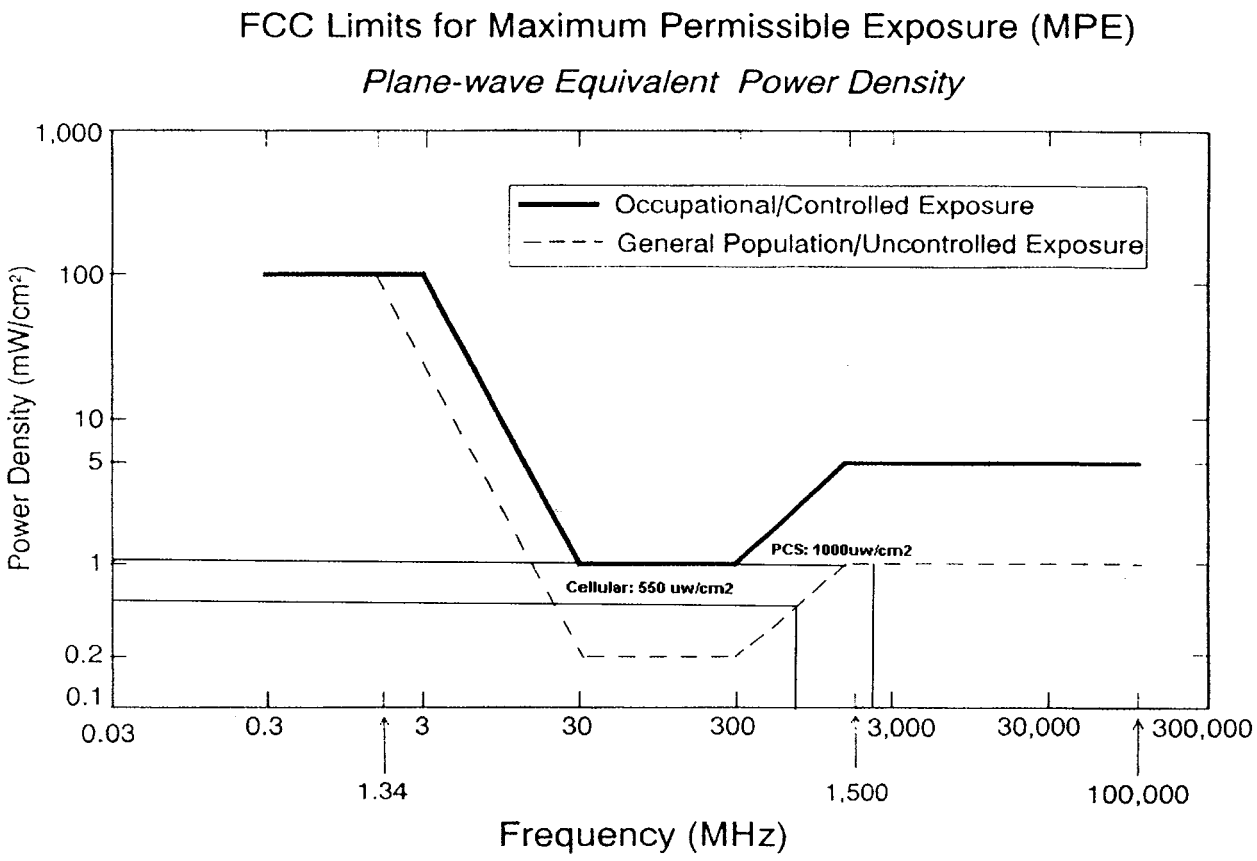
The maximum power density at the proposed facility represents only 0.05% of the public MPE limit for PCS frequencies.

6. Conclusion

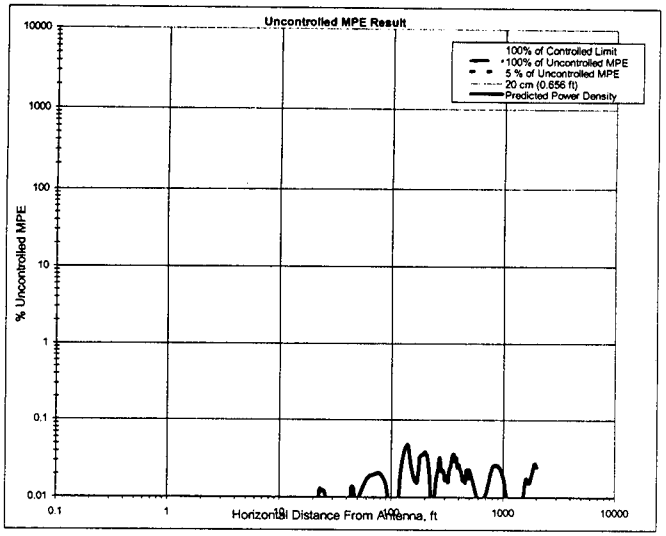
This analysis show that the maximum power density in accessible areas at this location is 0.000479 mW/cm^2, a level of RF energy that is well below the Maximum Permissible Exposure limit established by the FCC.

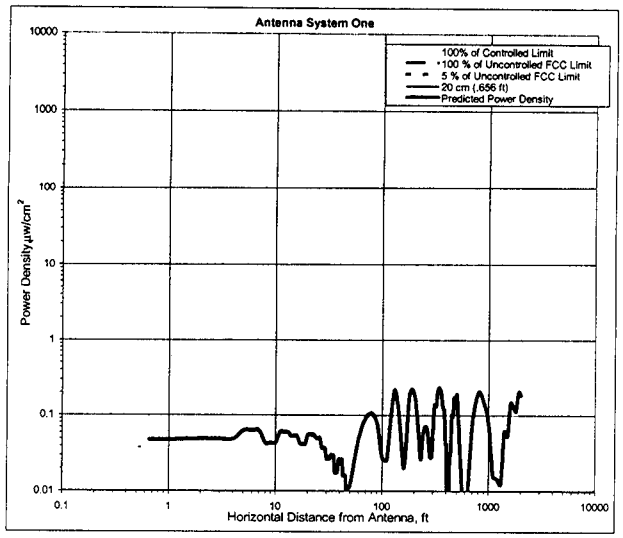
[2] 47 U.S. C. Section 332 (c) (7)(B)(iv) states that "[n]o State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that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

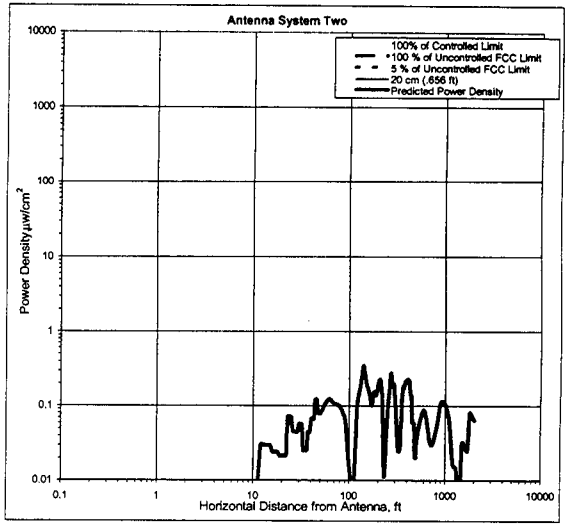
7. FCC Limits for Maximum Permissible Exposure



8. Exhibit A







Number of Antenna Systems: 2

Meets FCC Controlled Limits for The Antennas Systems.

Meets FCC Uncontrolled Limits for The Antenna Systems.

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

No Further Maximum Permissible Exposure (MPE) Analysis Required.

	Power Density		@Horiz. Dist.
	mW/cm^2	% of limit	feet
Maximum Power Density =	0.000479	0.05	140.00
2,089.67 times lower than the MPE limit for uncontrolled environment			
Composite Power (ERP) =	20,000.00	Watts	

Site ID: 913-010-189
Site Name: Monroe South
Site Location: 88 Main Street
Monroe, CT 06468

Performed By: Nader Soliman

Date: 4/3/02

Antenna System One

	units	Value
Frequency	MHz	1945.00
# of Channels	#	16
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	5.86
(Center of Radiator)	feet	175.00
Calculation Point	feet	0.00
(above ground or		0.00
roof surface)		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	172.45
WOS?	Y/N?	n

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

Antenna System Two

	units	Value
Frequency	MHz	1865.20
# of Channels	#	16
Max ERP/Ch	Watts	250.00
Max Pwr/Ch Into Ant.	Watts	9.08
(Center of Radiator)	feet	195.00
Calculation Point	feet	0.00
(above ground or		0.00
roof surface)		0.00
Antenna Model No.		RR901702
Max Ant Gain	dBd	14.40
Down tilt	degrees	0.00
Miscellaneous Att.	dB	0.00
Height of aperture	feet	4.66
Ant HBW	degrees	90.00
Distance to Ant_{bottom}	feet	192.67
WOS?	Y/N?	n

Ant System TWO Owner: VoiceStream
Sector: 3
Azimuth 0/120/360

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.

TECTONIC / KEYES ASSOCIATES
Division of TECTONIC Engineering Consultants P.C.

CORPORATE OFFICE:
Mountainville, NY (800)-829-6531

1344 Silas Deane Highway, Suite 500
Rocky Hill, Connecticut 06067

(860) 563-2341 Fax: (860) 257-4882
www.tectonicengineering.com

Mr. Mark Gauger
Verizon Wireless
99 East River Drive, 9th Floor
East Hartford, CT 06108

January 13, 2003

RE: W.O. 2994.MONROE
VERIZON WIRELESS SITE MONROE SOUTH
EXISTING 195' MONOPOLE
88 MAIN STREET, MONROE, CT
STRUCTURAL CAPACITY

Dear Mr. Gauger:

It is our understanding that Verizon is proposing to install antennas on the existing 195' monopole (currently under construction) at the above referenced site. Tectonic/Keyes Associates has performed a limited review of the structure's design for its suitability to support the proposed antennas. This review is based on the following information:

- Design drawings and calculations of 195' Monopole, Voicestream Wireless Site CT-11-215-A, Monroe, CT, by Paul J. Ford and Company on behalf of Summit Manufacturing, LLC, West Hazelton, PA, job no. 29201-0505, Summit Job # 13880, dated 5/4/01, signed and sealed by Kevin P. Bauman, Connecticut PE registration no. 17891.

The existing monopole is 18-sided, with a total height of 195'. It consists of four (4) slip-jointed sections. It has a base width of approximately 5'-2", and tapers to a width of 2'-2" at the top.

The foundation consists of a 8' diameter by 37'-6" deep caisson extending 6"above grade.

The original design was based on ANSI/EIA/TIA-222-F-1996 using a basic wind speed of 85 mph with no ice, and a reduced wind speed of 74 mph in conjunction with 0.5" radial ice. The structure was designed to support the following items:

1 – 5/8"' Lightning Rod at the top
12 EMS RR90-17-00DP panel antennas on 14' T-arm mounts at the top
12 EMS RR90-17-00DP panel antennas on a 14' low profile platform at 185'
12 EMS RR90-17-00DP panel antennas on a 14' low profile platform at 175'
12 EMS RR90-17-00DP panel antennas on a 14' low profile platform at 165'
12 EMS RR90-17-00DP panel antennas on a 14' low profile platform at 155'
2 – 10' Whip antennas on 6' side arm mounts at 140'

TECTONIC / KEYES ASSOCIATES
Division of TECTONIC Engineering Consultants P.C.

CORPORATE OFFICE:
Mountainville, NY (800)-829-6531

1344 Silas Deane Highway, Suite 500
Rocky Hill, Connecticut 06067

(860) 563-2341 Fax: (860) 257-4882
www.tectonicengineering.com

Mr. Mark Gauger
Verizon Wireless
99 East River Drive, 9th Floor
East Hartford, CT 06108

January 13, 2003

RE: W.O. 2994.MONROE
VERIZON WIRELESS SITE MONROE SOUTH
EXISTING 195' MONOPOLE
88 MAIN STREET, MONROE, CT
STRUCTURAL CAPACITY

Dear Mr. Gauger:

It is our understanding that Verizon is proposing to install antennas on the existing 195' monopole (currently under construction) at the above referenced site. Tectonic/Keyes Associates has performed a limited review of the structure's design for its suitability to support the proposed antennas. This review is based on the following information:

- Design drawings and calculations of 195' Monopole, Voicestream Wireless Site CT-11-215-A, Monroe, CT, by Paul J. Ford and Company on behalf of Summit Manufacturing, LLC, West Hazelton, PA, job no. 29201-0505, Summit Job # 13880, dated 5/4/01, signed and sealed by Kevin P. Bauman, Connecticut PE registration no. 17891.

The existing monopole is 18-sided, with a total height of 195'. It consists of four (4) slip-jointed sections. It has a base width of approximately 5'-2", and tapers to a width of 2'-2" at the top.

The foundation consists of a 8' diameter by 37'-6" deep caisson extending 6"above grade.

The original design was based on ANSI/EIA/TIA-222-F-1996 using a basic wind speed of 85 mph with no ice, and a reduced wind speed of 74 mph in conjunction with 0.5" radial ice. The structure was designed to support the following items:

1 – 5/8"' Lightning Rod at the top
12 EMS RR90-17-00DP panel antennas on 14' T-arm mounts at the top
12 EMS RR90-17-00DP panel antennas on a 14' low profile platform at 185'
12 EMS RR90-17-00DP panel antennas on a 14' low profile platform at 175'
12 EMS RR90-17-00DP panel antennas on a 14' low profile platform at 165'
12 EMS RR90-17-00DP panel antennas on a 14' low profile platform at 155'
2 – 10' Whip antennas on 6' side arm mounts at 140'

2 – 10' Whip antennas on 6' side arm mounts at 120'
- All antenna feed lines were assumed to run inside the pole

The original design criteria also included an Operational (50 mph) wind load case, which limited the sway of the pole. This was not the controlling loading case.

We note that the original design of the pole assumed that the panel antennas at each level would be installed four (4) per sector in a triangular array. This same assumption was used in our structural review.

We understand that the structure is currently supporting or will be supporting the following: nine (9) T-Mobile panel antennas on T-arm mounts at the top; twelve (12) Cingular panel antennas on a low profile platform at 185', and six (6) AT&T panel antennas on a low profile platform at 175'. It is our understanding that these are EMS RR90-17-00DP or similar antennas.

We further understand that Verizon is proposing to install a total of twelve (12) Decibel DB844H90(E)-XY panel antennas on a low profile platform at the 165' level.

In accordance with the provisions of ANSI/TIA/EIA-222-F-1996, "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures", a basic wind speed of 85 mph applies to Fairfield County, CT, where the tower is located.

We have not preformed a detailed structural analysis of the tower, but have compared forces generated from the antennas and mounts of the original design to those generated by the proposed condition. Based on our extensive experience with similar structures and a comparison with the original tower design, it is clear that the tower and its foundation have adequate capacity to support this installation in accordance with current applicable codes.

Please contact this office if you require any further information.

Sincerely,
TECTONIC ENGINEERING & SURVEYING CONSULTANTS, P.C.

John D. Fuller, P.E.
Telecommunications Manager

Cc: File
Rachel Mayo – Robinson & Cole