

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE: :
: :
APPLICATION OF MCF COMMUNICATIONS : DOCKET NO. 323
bg, INC. FOR A CERTIFICATE OF : :
ENVIRONMENTAL COMPATIBILITY AND : :
PUBLIC NEED FOR THE CONSTRUCTION, : :
MAINTENANCE AND OPERATION OF A : :
TELECOMMUNICATIONS FACILITY AT 12 : :
CARPENTER ROAD, BOLTON, : :
CONNECTICUT : JANUARY 11, 2007

RESPONSES OF CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS
TO CONNECTICUT SITING COUNCIL PRE-HEARING INTERROGATORIES

On January 5, 2007, the Connecticut Siting Council (“Council”) issued Pre-Hearing Interrogatories to Intervenor, Cellco Partnership d/b/a Verizon Wireless (“Cellco”), relating to the above-captioned docket. Below are Cellco’s responses.

Question No. 1

Has Verizon received all return receipts for abutting landowners that were sent notice of the proposed increased height? If no, did Verizon make any additional attempts to send notice to these landowners?

Response

MCF identified nineteen (19) abutting properties owned by fifteen (15) individuals or entities in its application (Application Exhibit E). As of the date of this filing, Cellco has received return receipts from all but one of the listed abutters, Pamela Cooney. Ms. Cooney will be notified by regular mail if her letter is returned.

Question No. 2

Have the Towns of Bolton and/or Manchester commented on Verizon's proposed increased tower height?

Response

No.

Question No. 3

Please provide the Affidavit of Publication of the legal notice published in the Hartford Courant and the Journal Inquirer.

Response

The Affidavits of Publication from *The Hartford Courant* and *Journal Inquirer* are included behind Tab 1.

Question No. 4

Describe the discrepancy between the Verizon's Viewshed Analysis and the Viewshed Analysis provided by the Applicants in their response to Council pre-hearing interrogatory number 21.

Response

The Comparative Viewshed Map, prepared by VHB, Inc., was developed to help determine if the increase in tower height from 130 feet, as proposed by MCF, to 140 feet, as proposed by Cellco, would result in a significant increase in the anticipated year-round visibility of the tower. The VHB, Inc. analysis relies solely upon the results of computer-based modeling. As you might expect, this modeling indicates a slight increase in visibility within the two-mile radius study area from approximately 27 acres for the 130 foot tower to approximately 30 acres for the 140 foot tower. No additional in-field reconnaissance was conducted as a part of the

VHB evaluation.

The discrepancy between the Cellco material and the viewshed analysis prepared by the Applicant appears to be attributable to the different methodologies used to determine areas where the proposed tower structure would be visible.

The Applicant's September 29, 2006 Visual Methodology memorandum (Exhibit K in the MCF Application) and associated two-mile Viewshed Analysis Map indicates that areas of seasonal and year-round visibility from publicly accessible locations were estimated based on visual observations made in the field during a balloon float conducted at the proposed site in March of 2006. According to the Applicant's materials, areas of visibility located on private properties were also interpolated from those observations. The Applicant's Viewshed Map depicts a single area of year-round visibility surrounding and in the general vicinity of the proposed tower site.

The Comparative Viewshed Map prepared by VHB utilizes Geographic Information System (GIS) software to develop a predictive model that calculates areas where the proposed facility is expected to be visible above the tree canopy. The VHB model uses various information, including tower's height, ground elevation, surrounding topography, existing vegetation and any the location of significant structures/objects that may act to obstruct potential views. The primary data that is incorporated into the model includes 7.5 minute digital elevation models produced by the United States Geological Survey (USGS) and a digital forest layer for the Study Area that was derived through on-screen digitizing in ArcView® GIS using high resolution digital orthophotos flown in 2004. The VHB Comparative Viewshed Map depicts several areas of year-round visibility within the general vicinity of the proposed tower site to the

south/southwest and northwest. Additional areas of year-round visibility are depicted at other locations within the Study Area further from the site. These areas mainly occur on private properties.

Question No. 5

What is the operating frequency and minimum signal level threshold that Verizon is planning to use in this area?

Response

In the Manchester area, Cellco is licensed to operate in both the cellular (869-880, 890 – 891.5 MHz) and PCS F Block (1970 - 1975 MHz) frequency bands. Cellco plans to install both PCS and cellular antennas on the same antenna platform at the 140-foot level on the proposed tower.

Cellco's minimum signal threshold is -85 dBm. This is a signal threshold used throughout Cellco's network nationwide.

Question No. 6

Provide antenna specifications, including type, make, size, model, number of channels, and maximum power output. Indicate the proposed antenna height, number of antennas and antenna mounting configuration planned for the site.

Response

Copies of the specifications for the proposed PCS and cellular antennas are included behind Tab 2. Cellco will install a total of twelve (12) antennas (6 cellular and 6 PCS) at the 140-foot level on the tower. The antennas will be attached to a triangular antenna platform. The remaining information requested is set out below.

PCS Antennas

Alpha Sector – 140 Ft.

(2) Antenna Type: LPA – 185080/12CF

Frequency: 1970-1975 MHz

No. Channels: 3

ERP/Channel: 485 W Max.

Beta Sector – 140 Ft.

(2) Antenna Type: LPA – 185080/12CF

Frequency: 1970-1975 MHz

No. Channels: 3

ERP/Channel: 485 W Max.

Gamma Sector – 140 Ft.

(2) Antenna Type: LPA – 185080/12CF

Frequency: 1970-1975 MHz

No. Channels: 3

ERP/Channel: 485 W Max.

Cellular Antennas

Alpha Sector – 140 Ft.

(2) Antenna Type: LPA – 80080/6CF

Frequency: 869-880,890-891.5 MHz

No. Channels: 9

ERP/Channel: 200 W Max.

Beta Sector – 140 Ft.

(2) Antenna Type: LPA – 80080/6CF

Frequency: 869-880,890-891.5 MHz

No. Channels: 9

ERP/Channel: 200 W Max.

Gamma Sector – 140 Ft.

(2) Antenna Type: LPA – 80080/6CF

Frequency: 869-880,890-891.5 MHz

No. Channels: 9

ERP/Channel: 200 W Max.

Question No. 7

Provide a worst case power density analysis for radio frequency emissions for Verizon's antennas at the proposed height on the tower. Please use the following equation.

$$\frac{(1.64) (.64) (\# \text{ of channels}) (\text{power in watts/channel}) (1000 \text{ mW/W})}{3.14 [(\text{distance from antenna to ground in feet}) (30.49 \text{ cm/foot})]^2}$$

Response

See Tab 3.

Question No. 8

Would Verizon require an emergency generator at the proposed site?

Response

Yes.

Question No. 9

Provide information on the number of dropped calls Verizon is experiencing in this area.

Response

Data from the adjacent cell sites (Manchester 4, Manchester, Bolton and Bolton East) indicates that Cellco customers in this area drop calls at a rate of 1.4 times the system design objective and experience ineffective attempts, when trying to initiate a call at a rate of 1.6 times the system design objectives. Cellco's design objective is 99% reliability.

During the typical Friday peak hours, for example, Cellco customers currently experience more than 30 dropped calls and 35 ineffective attempts on the surrounding cell sites.

Question No. 10

At what signal level would Verizon drop a call?

Response

As we've discussed in previous dockets, once the signal level in an area drops below -85 dBm it becomes unreliable. Based on circumstances, specific to a particular area (e.g. topography, tree cover) or the location of the customer (e.g. in a building or in a car), as the signal level drops below -85 dBm, call quality will diminish and ultimately the call will drop. Under certain circumstances these circumstances can begin to occur at a signal level of -86 dBm.

Question No. 11

Provide radio frequency propagation plots for Verizon at 130 feet on the proposed tower at the same scale and signal level thresholds as provided in the Supplemental Information filed on Behalf of Verizon.

Response

The coverage plots requested are included behind Tab 4.

CERTIFICATE OF SERVICE

I hereby certify that on the 11th day of January, 2007, a copy of the foregoing was mailed,
postage prepaid, to:

**MCF Communications bg, Inc. and
Omnipoint Communications, Inc.**

Julie Donaldson Kohler, Esq.
Carrie L. Larson, Esq.
Cohen and Wolf PC
1115 Broad Street
P.O. Box 1821
Bridgeport, CT 06601-1821

Sprint/Nextel Corporation

Thomas J. Regan, Esq.
Brown Rudnick Berlack Israels LLP
City Place 1
185 Asylum Street
Hartford, CT 06103

New Cingular Wireless

Christopher B. Fisher, Esq.
Cuddy & Feder LLP
445 Hamilton Avenue, 14th Floor
White Plains, NY 10601



Kenneth C. Baldwin

JAN - 4 REC'D

The Hartford Courant

A Tribune Publishing Company

Affidavit of Publication

State of Connecticut

January 2, 2006

County of Hartford

I, Joy Shroyer, do solemnly swear that I am a Financial Operations Assistant of the Hartford Courant Company, a newspaper printed and published daily in the state of Connecticut and that from my own personal knowledge and reference to the files of said publication, the advertisement of Public Notice was inserted in the regular edition.

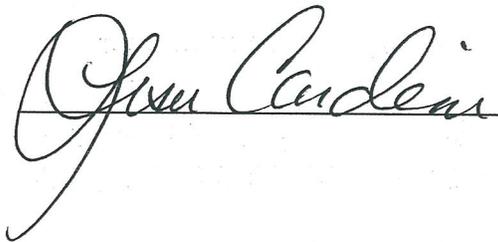
On dates as follows: 12/21/06 12/22/06

Robinson & Cole 08989.0617
319915

In the amount of 476.20


Joy Shroyer
Financial Operations Assistant

Subscribed and sworn before me on January 2, 2006


Public Notary

LISA CARDINI
NOTARY PUBLIC
MY COMMISSION EXPIRES JUNE 30, 2011

Notice of Intervention
Connecticut Siting Council Docket No. 323
Applicant: MCF Communications bg, Inc.

On October 4, 2006, MCF Communications bg, Inc. filed an application with the Connecticut Siting Council to construct a 130-foot telecommunications tower on an approximately 43 acre property at 12 Carpenter Road in Bolton, CT. The Council has issued this application Docket No. 323 and has scheduled a public hearing to be held on **January 24, 2007** at the Bolton Town Hall.

Cellco Partnership d/b/a Verizon Wireless ("Cellco") has requested intervenor status in Docket No. 323 and intends to participate in the proceeding. To satisfy its coverage objectives in the Bolton area, Cellco will request that the Siting Council increase the height of the tower from 130 feet as proposed to 140 feet. Supplemental information on Cellco's shared use of this facility has been filed with the Siting Council. Copies of this supplemental information is also on file in the Town of Bolton First Selectman's office and Land Use Department and the Town of Manchester General Manager's office and Planning and Economic Development Department.

If you have any questions regarding Cellco's intervention in Docket No. 323 you can contact the Council at 860-827-2935 or Kenneth C. Baldwin, Robinson & Cole LLP, Attorney for Cellco Partnership d/b/a Verizon Wireless, 280 Trumbull Street, Hartford, CT 06103, Tel.: (860) 275-8200, Fax: (860) 275-8299, E-mail: kbaldwin@rc.com.

Affidavit of Publication

State of Connecticut }
County of Hartford } ss. Manchester

I, Donna Chiapponi, do solemnly swear that I am, classified bookkeeper, of the Journal Inquirer printed and published at Manch. in the State of Connecticut and that from my own personal knowledge and reference to the files of said publication the advertisement of Legal notice for the application filed with the CT Siting Coucil for construction of a 130ft Tower in Bolton, CT.

..... Please see attached tear sheets.
..... was inserted in the regular editions on dates as follows: 12/21/06 and 12/22/06

..... Donna Chiapponi
..... Billing Department

Donna Chiapponi

Subscribed and sworn to before me this 8th day of January, 2007

{ Seal }

Karin E. Marsh
..... Karin E. Marsh
..... Notary Public

MY COMMISSION EXPIRES OCT. 31, 2008

may result in the loss of rights to recover on such claim.

Annette T. Tarascio, Clerk
The fiduciary is:
Ralph J. Alexander
225 Oakland Rd, Suite 306
South Windsor, CT 06074
Journal Inquirer
December 22, 2006

Assistant Clerk
The fiduciary is:
Robert A. Artioli c/o
Russell J. Tyler, Esq.
Tyler & Tyler
92 High St., P.O. Box 3426
Enfield, CT 06083-3426
Journal Inquirer
December 22, 2006

PUBLIC NOTICE

PUBLIC NOTICE

Notice is hereby given that, pursuant to Section 10-153f of the General Statutes of Connecticut, the Binding Arbitration Award Agreement between the Stafford Board of Education and the Stafford Education Association, July 1, 2007 through June 30, 2010, is on file in the Office of the Town Clerk of Stafford.
Dated at Stafford, Connecticut this 20th day of December 2006.

Attest: Carol M. Davis
Town Clerk

Journal Inquirer
December 22, 2006

PUBLIC NOTICE

Request for Proposals for Services

The State of Connecticut, Children's Trust Fund, is seeking proposals to expand the Nurturing Families Network (NFN) program in the service areas of New Milford and Johnson Memorial hospitals. The NFN program provides services to parents in order to prevent child abuse and neglect.

The intent of this request is to identify public and private non-profit organizations with the necessary expertise to become NFN family service providers. Successful proposers will be responsible for implementing Nurturing Connections, Intensive Home Visiting and Nurturing Parenting Group services in the service areas of New Milford and Johnson Memorial Hospitals.

The request for proposals is available (1) on the State Contracting Portal at

www.das.state.ct.us/Purchase/Portal/Portal_Home.asp; (2) the Children's Trust Fund's website at www.ct.gov/ctf under the RFPs & Contracting link; or (3) from Jacqueline Lewis, Children's Trust Fund, 450 Capitol Ave., MS#54 CTF, Hartford, Connecticut 06106-1308, Telephone (860) 418-8785, Fax (860) 418-8780, E-Mail jacqueline.lewis@ct.gov. The deadline for submission of proposals is 12:00 P.M., March 2007.

Journal Inquirer
December 22, 2006

Journal Inquirer
December 22, 2006
December 29, 2006

**TOWN OF MANCHESTER
REQUEST FOR PROPOSALS
PURCHASE OF ELECTRICITY**

The Town of Manchester intends to select a prequalified electricity supplier through the CCM electric energy program. Interested suppliers, that are licensed as retail suppliers in the State of CT, must submit their form retail supply agreement electronically to Baystateconsultants@comcast.net and contact John Short-sleeve of Bay State Consultants at (978) 352-9099 prior to December 28, 2006 to become pre-qualified to submit a proposal for this procurement.

Journal Inquirer
December 20, 2006
December 21, 2006
December 22, 2006

**STATE OF CONNECTICUT
SUPERIOR COURT**

JUDICIAL DISTRICT OF TOLLAND AT ROCKVILLE
RENEE D. ADAMS vs. ROBERT P. ADAMS
NOTICE TO ROBERT P. ADAMS

RETURN DATE: 2-6-07

The Court has reviewed the Motion for Order of Notice and the Complaint/Application/Motion which asks for divorce.

THE COURT ORDERS that the party filing the Motion for Order of Notice give notice to the party to be notified by mailing a true and attested copy of the: Summons and Complaint plus Notice of Automatic Orders.

The Court finds that the current address of the party to be notified is unknown and that all reasonable efforts to find him have failed. The Court also finds that the last known address of the party to be notified was: 101 South St., Apt 73, Vernon, CT.

THE COURT ORDERS that notice be given to the party to be notified by placing a legal notice in: The Journal Inquirer, a newspaper circulating in Vernon containing a true and attested copy of this Order of Notice, and, if accompanying a Complaint for divorce (dissolution of marriage), complaint for dissolution of civil union, legal separation or annulment, or if accompanying an Application of custody or visitation, a statement that Automatic Court Orders have been issued in the case as required by Section 25-5 of the Connecticut Practice Book and are a part of the Complaint/Application on file with the Court. The notice shall appear once a week for two successive weeks commencing on or before 1-12-07 and proof of service shall be filed with this Court.

Karen Ransom, Adm. Asst. Date signed 11/28/06

Journal Inquirer
December 22, 2006
December 29, 2006

Dennis Kaba
Chairman

By: Stephen F. Sutton
Kahan, Kerensky & Capossela, LLP
Its Attorney

Journal Inquirer
December 22, 2006

Notice of Intervention

Connecticut Siting Council Docket No. 323

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Journal Inquirer
December 21, 2006
December 22, 2006

Vertically Polarized, Log Periodic 80° / 17.5 dBi

LPA-185080/12CF

When ordering, replace "___" with connector type.

Mechanical specifications

Length	1806 mm	71.1 in
Width	104 mm	4.1 in
Depth	150 mm	5.9 in
⁴⁾ Weight	4.8 kg	10.5 lbs
Wind Area		
Front	0.188 m ²	2.02 ft ²
Side	0.271 m ²	2.92 ft ²
Rated Wind Velocity (Safety factor 2.0)		
	>270 km/hr	>168 mph
Wind load @ 100 mph (161 km/hr)		
Front	325 N	73.1 lbs
Side	440 N	98.9 lbs

Antenna consisting of aluminum alloy with brass feedlines covered by a UV safe fiberglass radome.

Mounting & Downtilting:

Wall mounted or pole tower mount with mounting brackets.

Mounting bracket kit #26799997

Downtilt bracket kit #26799999

The downtilt bracket kit includes the mounting bracket kit.

Electrical specifications

Frequency Range	1850-1990 MHz
Impedance	50Ω
³⁾ Connector	NE, E-DIN
¹⁾ VSWR	≤1.4:1
Polarization	Vertical
¹⁾ Gain	17.5 dBi
²⁾ Power Rating	250 W
¹⁾ Half Power Angle	
H-Plane	80°
E-Plane	5°
¹⁾ Electrical Downtilt	0°
¹⁾ Null Fill	10%
Lightning Protection	Direct Ground

¹⁾ Typical Values

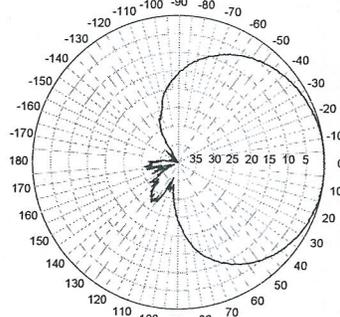
²⁾ Power Rating limited by connector only.

³⁾ NE indicates an elongated N Connector.
E-DIN indicates an elongated DIN Connector.

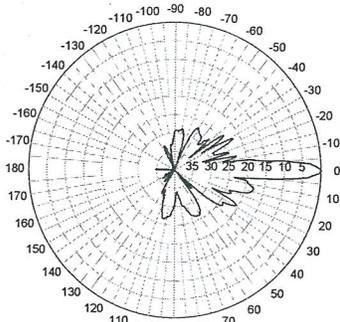
⁴⁾ The antenna weight listed above does not include the bracket weight.

Improvements to mechanical and/or electrical performance of the antenna may be made without notice.

Radiation-pattern¹⁾



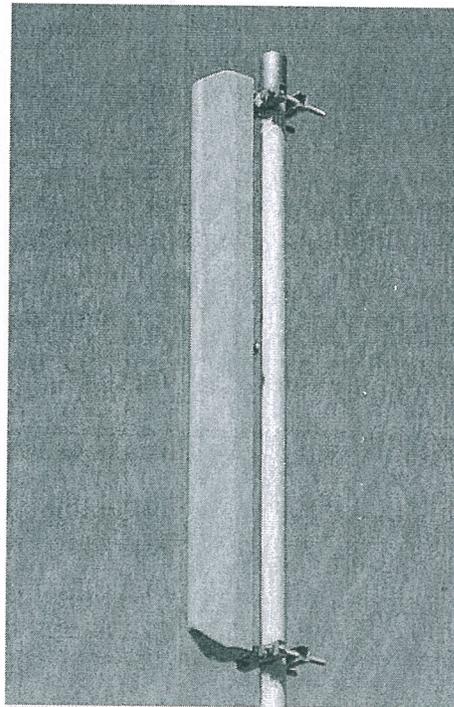
Horizontal



Vertical

Radiation patterns for all antennas are measured with the antenna mounted on a fiberglass pole.

Mounting on a metal pole will typically improve the Front-to-Back Ratio.



**Amphenol Antel's
Exclusive 3T (True
Transmission Line
Technology)
Antenna Design:**

- True log-periodic design allows for superior front-to-side characteristics to minimize sector overlap.
- Unique feedline design eliminates the need for conventional solder joints in the signal path.
- A non-collinear system with access to every radiating element for broad bandwidth and superior performance.
- Air as insulation for virtually no internal signal loss.

Every Amphenol Antel antenna is under a five-year limited warranty for repair or replacement.

Antenna available with center-fed connector only.

CF Denotes a Center-Fed Connector.

1850-1990 MHz



Revision Date: 1/27/05

Vertically Polarized, Log Periodic 80° / 14 dBd

LPA-80080/6CF

When ordering, replace "___" with connector type.

Mechanical specifications

Length	1800 mm	70.87 in
Width	140 mm	5.51 in
Depth	335 mm	13.19 in
4) Weight	9.53 kg	21 lbs
Wind Area		
Front	0.252 m ²	2.71 ft ²
Side	0.603 m ²	6.50 ft ²
Rated Wind Velocity (Safety factor 2.0)		
	>295 km/hr	>183 mph
Wind load @ 100 mph (161 km/hr)		
Front	415 N	93.3 lbs
Side	870 N	195.6 lbs

Antenna consisting of aluminum alloy with brass feedlines covered by a UV safe fiberglass radome.

Mounting & Downtilting:

Mounting brackets attach to a pipe diameter of Ø50-102 mm (2.0-4.0 in).

Mounting bracket kit #21699999

Downtilt bracket kit #21699999

The downtilt bracket kit includes the mounting bracket kit.

Electrical specifications

Frequency Range	806-960 MHz
Impedance	50Ω
3) Connector	NE, E-DIN
1) VSWR	≤1.4:1
Polarization	Vertical
1) Gain	14 dBd
2) Power Rating	500 W
1) Half Power Angle	
H-Plane	80°
E-Plane	10°
1) Electrical Downtilt	0°
1) Null Fill	10%
Lightning Protection	Direct Ground

¹⁾ Typical Values

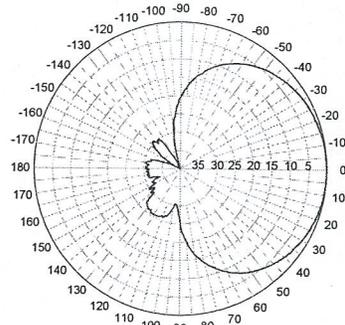
²⁾ Power Rating limited by connector only.

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E-DIN indicates an elongated DIN Connector.

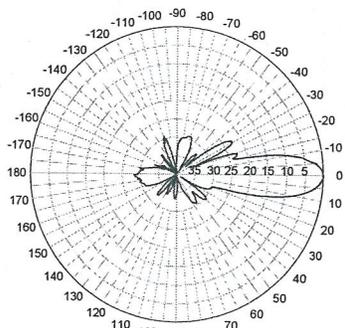
⁴⁾ The antenna weight listed above does not include the bracket weight.

Improvements to mechanical and/or electrical performance of the antenna may be made without notice.

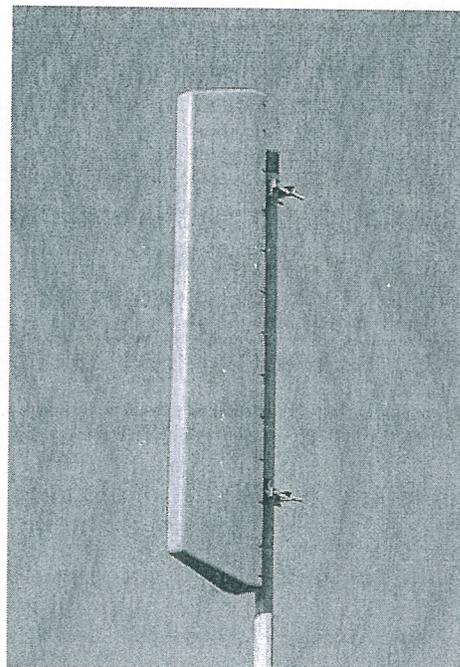
Radiation-pattern¹⁾



Horizontal



Vertical



**Amphenol Antel's
Exclusive 3T (True
Transmission Line
Technology)
Antenna Design:**

Featuring upper side lobe suppression.

Radiation patterns for all antennas are measured with the antenna mounted on a fiberglass pole.

Mounting on a metal pole will typically improve the Front-to-Back Ratio.

CF Denotes a Center-Fed Connector.

806-960 MHz

- True log-periodic design allows for superior front-to-side characteristics to minimize sector overlap.
- Unique feedline design eliminates the need for conventional solder joints in the signal path.
- A non-collinear system with access to every radiating element for broad bandwidth and superior performance.
- Air as insulation for virtually no internal signal loss.

Every Amphenol Antel antenna is under a five-year limited warranty for repair or replacement.

Antenna available with center-fed connector only.



Revision Date: 12/1/05

General Power Density

Site Name: Manchester 2, CT
 Cumulative Power Density

Operator	Operating Frequency (MHz)	Number of Trans.	ERP Per Trans. (watts)	Total ERP (watts)	Distance to Target (feet)	Calculated Power Density (mW/cm ²)	Maximum Permissible Exposure* (mW/cm ²)	Fraction of MPE (%)
VZW PCS	1970	3	485	1455	140	0.0267	1.0	2.67%
VZW	875	9	200	1800	140	0.0330	0.583	5.66%

Total Percentage of Maximum Permissible Exposure

8.33%

*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/cm² = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used.

Verizon Wireless: Power Density Evaluation

What were the numbers and formula used to calculate the radio frequency power density?

The following predicts the RF power density in the absolute worst case at ground level directly under the antenna. From the FCC Office of Engineering and Technology (OET) Bulletin #65 dated August 1997, the power density (S) can be predicted as follows:

$$S = \frac{2.56 \text{ EIRP}}{4\pi R^2} = \frac{0.64 \text{ EIRP}}{\pi R^2} \quad (7)$$

(Reference Isotropic Radiation)

Where R is the distance from the centerline of radiation to the potential exposure area. A worst-case calculation assumes the point of maximum power density. The factor of 2.56 accounts for a maximum of 1.6-fold increase of field strength from ground reflections (1.6x1.6). Operating power may be expressed in terms of "effective radiated power" or "ERP" instead of EIRP. ERP is power referenced to a half-wave dipole radiator instead of to an isotropic radiator. Therefore, if ERP is given it is necessary to convert ERP into EIRP. This is done by multiplying the ERP by a factor of 1.64, which is the gain of a half-wave dipole relative to an isotropic radiator. The equation now becomes:

$$S = \frac{0.64 \text{ EIRP}}{\pi R^2} = \frac{(0.64)(1.64) \text{ ERP}}{\pi R^2} = \frac{1.05 \text{ ERP}}{\pi R^2} \quad (8)$$

Care must be taken to use the **correct units** for all variables. Power density in units of mW/cm² is desired so power should be expressed in milliwatts and distance in cm. A factor of 1000 will be used to convert watts to milliwatts (1watt=1000 milliwatts) and a factor of 30.48 will be used to convert feet to centimeters (1 foot=30.48 cm). The final equation now becomes:

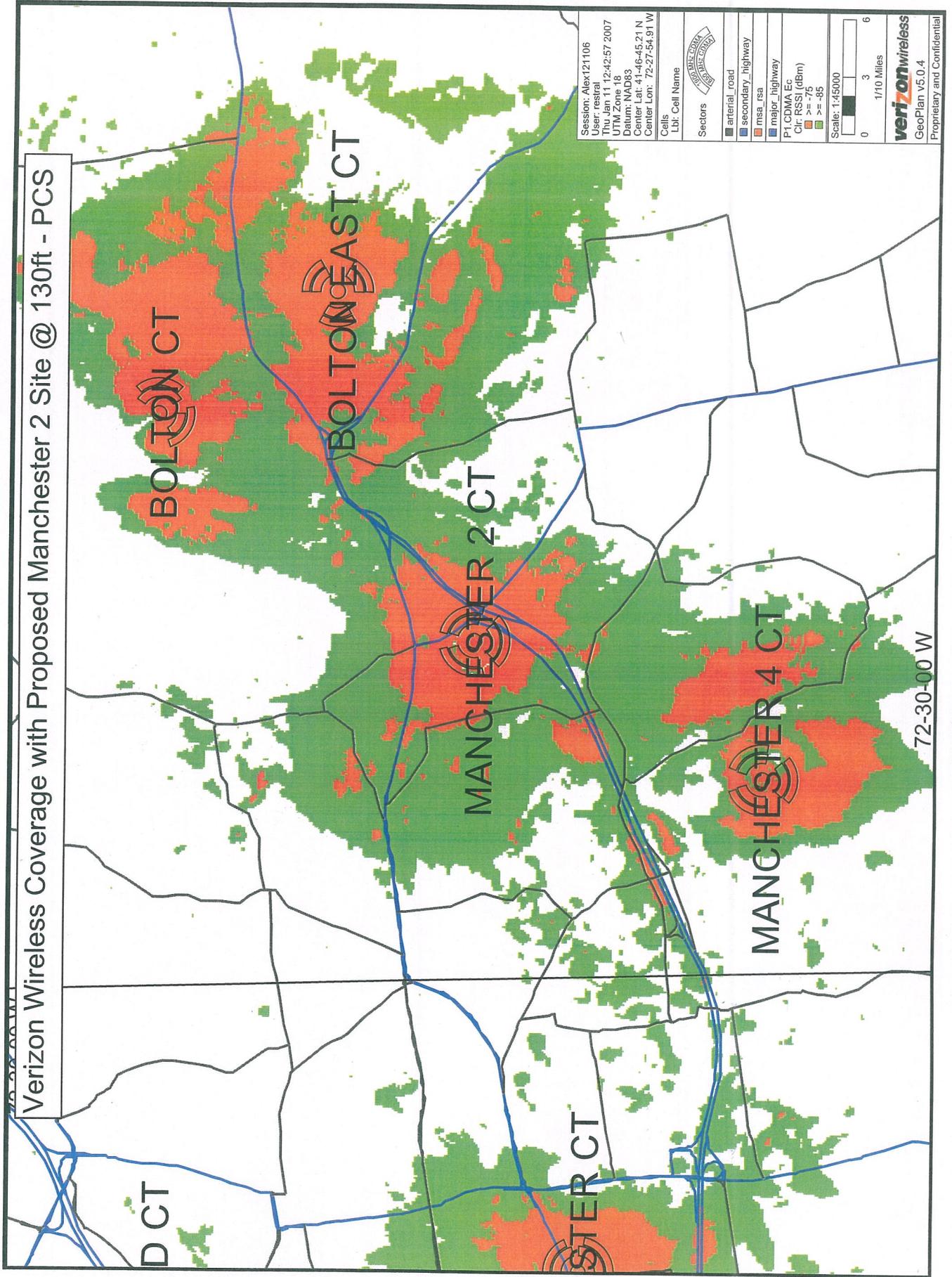
$$S = \frac{(0.64)(1.64)(1000 \text{ mW/W}) \text{ ERP}}{\pi(30.48 \text{ cm/ft})^2 R^2}$$

$$S = \frac{(.35962) \text{ ERP}}{R^2}$$

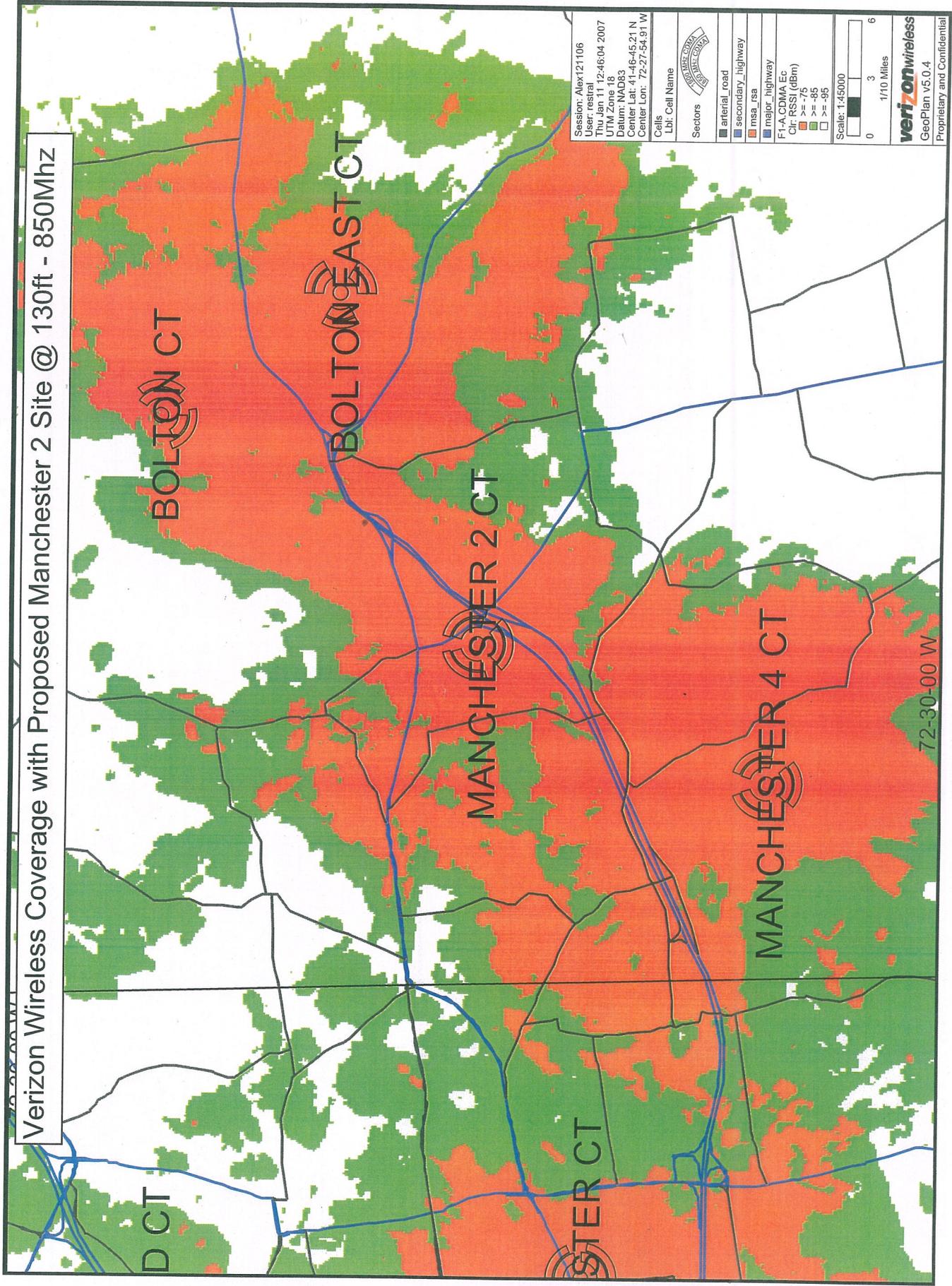
This final equation is the formula programmed in the field titled "Calculated Power Density" on the excel sheet submitted. It allows for the input values of effective radiated power and distance to be entered in units of watts and feet respectively. The formula takes into account all conversion factors.

As stated in the FCC rules and regulations (47 CFR 1.1301-1.1310), the Maximum Permissible Exposure (MPE) for the general public is dependent on the frequency range. It is defined as f/1500. For the mid-band cellular frequency range of 850 MHz, MPE=.56733 mW/cm². For the 880 MHz cellular frequency, MPE=.5866 mW/cm². The mid-band frequency range value for MPE is used for comparison as a more conservative reference of Maximum Permissible Exposure levels. The fraction of MPE is defined as the calculated power density divided by MPE and expressed as a percentage. This is the formula programmed into the field titled "Fraction of MPE."

Verizon Wireless Coverage with Proposed Manchester 2 Site @ 130ft - PCS



Verizon Wireless Coverage with Proposed Manchester 2 Site @ 130ft - 850Mhz



Session: Alex121106
 User: restat
 Date: Jun 11 12:46:04 2007
 UTM Zone: 18
 Datum: NAD83
 Center Lat: 41-46-45.21 N
 Center Lon: 72-27-54.91 W

Cells
 Lbr: Cell Name

Sectors
 arterial_road
 secondary_highway
 msa_rsa
 major_highway

F1-A CDMA Ec
 Clr: RSSI (dBm)
 >= -75
 >= -85
 >= -95

Scale: 1:45000
 0 3 6
 1/10 Miles

verizon wireless
 GeoPlan v5.0.4
 Proprietary and Confidential