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
www.ct.gov/csc

July 16, 2004

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

RE: **EM-VER-011-040701** - 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 July 13, 2004, 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 July 1, 2004, including the placement of all necessary equipment and shelters within the tower compound. 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,

Pamela B. Katz, P.E.
Chairman

PBK/laf

c: Honorable Sydney Schulman, Mayor, Town of Bloomfield
Thomas B. Hooper, Director of Planning, Town of Bloomfield
Christopher B. Fisher, Esq., Cuddy & Feder LLP

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July 1, 2004

Honorable Sydney Schulman
Mayor
Town of Bloomfield
800 Bloomfield Avenue
Bloomfield, CT 06002-0337

RE: **EM-VER-011-040701** – 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 Schulman:

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 scheduled for July 13, 2004 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/cm

Enclosure: Notice of Intent

c: Thomas B. Hooper, Director of Planning, 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-011-040701

July 1, 2004

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 existing 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. The Siting Council approved Cellco's request to modify this tower on November 7, 2002 (EM-VER-011-021017). In that filing, Cellco proposed to install twelve (12) cellular antennas at the 109-foot level. To date, Cellco has not constructed this facility.

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 Town Manager, Louie Chapman, Jr.

The facility consists of a 140-foot self-supporting tower, capable of supporting multiple carriers. The tower currently supports Town of Bloomfield and AT&T Wireless antennas. Cellco proposes to install twelve (12) panel-type antennas (six (6) cellular and six (6) PCS antennas) at the 105-foot level on the tower. Antenna specifications for the cellular and PCS antennas to be installed are included behind Tab 1. As with the prior filing, Cellco's equipment will be stored in a 15' x 15' single-story equipment shelter near the base of the tower.

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 105-foot level on the 140-foot tower.

2. The proposed installation of twelve (12) 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. Attached behind Tab 2 is a Power Density Calculation Table.

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/kmd
Attachments
cc: Louie Chapman, Jr., Bloomfield Town Manager
Sandy M. Carter

DECIBEL
Base Station Antennas

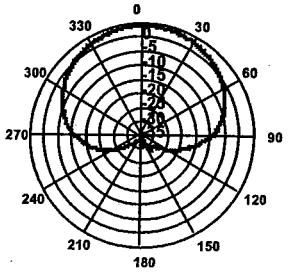
948F85T2E-M

16.1 dBi, Directed Dipole Antenna
1850-1990 MHz

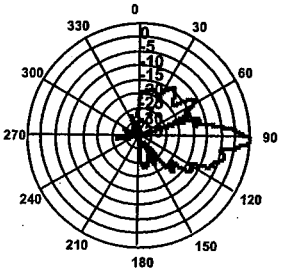
1850-1990 MHz

dB Director®
MaxFill™

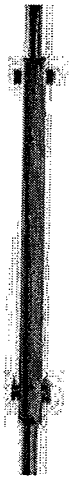
- Exceptional azimuth roll-off reducing soft hand-offs and improving capacity
- Excellent upper side lobe suppression
- Deep null filling below the horizon assures improved signal intensity
- Low profile appearance and low wind loading profile for easier zoning approvals

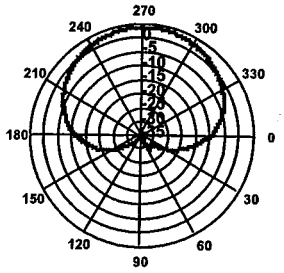


Azimuth 1850 MHz (Tilt=2)



Vertical 1850 MHz (Tilt=2)





Horizontal 1850 MHz (Tilt=2)

ELECTRICAL		MECHANICAL	
Frequency (MHz):	1850-1990	**Weight:**	8.5 lbs (3.9 kg)
Polarization:	Vertical	**Dimensions (LxWxD):**	48 X 3.5 X 7 in (1219 X 89 X 178 mm)
Gain (dBd/dBi):	14/16.1	**Max. Wind Area:**	2.3 ft² (0.21 m²)
Azimuth BW:	85°	**Max. Wind Load (@ 100mph):**	92 lbf (409 N)
Elevation BW:	8°	**Max. Wind Speed:**	125 mph (201 km/h)
Beam Tilt:	2°	**Radiator Material:**	Low Loss Circuit Board
USLS* (dB):	>18	**Reflector Material:**	Passivated Aluminum
Null Fill* (dB):	15	**Radome Material:**	ABS, UV Resistant
Front-to-Back Ratio* (dB):	40	**Mounting Hardware Material:**	Galvanized Steel
VSWR:	<1.33:1	**Connector Type:**	7-16 DIN - Female (Bottom)
IM Suppression - Two 20 Watt Carriers:	-150	**Color:**	Light Gray
Impedance:	50 Ohms	**Standard Mounting Hardware:**	DB390 Pipe Mount Kit, included
Max Input Power:	250 Watts	**Downtilt Mounting Hardware:**	DB5098, optional
Lightning Protection:	DC Ground	**Opt. Mounting Hardware:**	DB5094-AZ Azimuth Wall Mount
Opt Electrical Tilt:	0°,4°,6°		

Andrew Corporation
8635 Stemmons Freeway
Dallas, Texas U.S.A 75247-3701
Tel: 214.631.0310

Fax: 214.631.4706
Toll Free Tel: 1.800.676.5342
Fax: 1.800.229.4706
www.andrew.com

dbtech@andrew.com

Date: 1/23/2004
* - Indicates Typical Values

DECIBEL®
Base Station Antennas

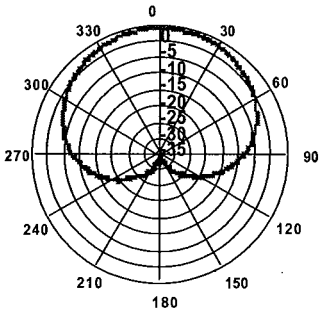
DB844F90A-SX

12 dBd, Directed Dipole Antenna
806-896 MHz

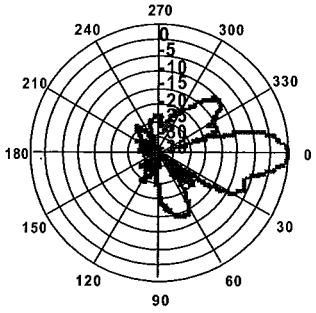
806-896 MHz

90°

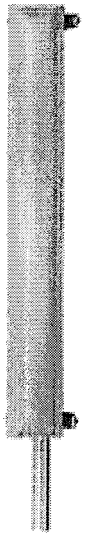
- Exceptional azimuth roll off reducing soft hand offs and improving capacity
- Strong null filling for below horizon RF penetration
- Extremely rugged, reliable design yet lightweight for low tower loading
- Air dielectric feed system



Horizontal 850 MHz (Tilt=0)



Vertical 850 MHz (Tilt=0)



ELECTRICAL		MECHANICAL	
Frequency (MHz):	806-896	**Weight:**	9.5 lbs (4.3 kg)
Polarization:	Vertical	**Dimensions (LxWxD):**	48 X 6.5 X 8 in (1219 X 165 X 203 mm)
Gain (dBd/dBi):	12/14.1	**Max. Wind Area:**	1.29 ft² (0.12 m²)
Azimuth BW:	90°	**Max. Wind Load (@ 100mph):**	69 lbf (307 N)
Elevation BW:	15°	**Max. Wind Speed:**	125 mph (201 km/h)
Beam Tilt:	0°	**Radiator Material:**	Aluminum
Front-to-Back Ratio* (dB):	40	**Reflector Material:**	Aluminum
VSWR:	1.33:1	**Radome Material:**	ABS,UV Resistant
Impedance:	50 Ohms	**Mounting Hardware Material:**	Galvanized Steel
Max Input Power:	500 Watts	**Connector Type:**	7-16 DIN - Female (Back)
Lightning Protection:	DC Ground	**Color:**	LightGray
		Standard Mounting Hardware:	DB380 Pipe Mount Kit, included
		Downtilt Mounting Hardware:	DB5083, optional
		Opt. Mounting Hardware:	DB5084-AZ

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dbtech@andrew.com

Date: 4/23/2004
* - Indicates Typical Values

General Power Density

Site Name: Bloomfield 3 , CT
Tower Height: 105 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	869	9	200	1800	105	0.0587	0.5793	10.14%
Verizon	1900	3	200	600	105	0.0196	1	1.96%
Total Percentage of Maximum Permissible Exposure								12.09%

*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.