



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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www.ct.gov/csc

March 7, 2005

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

RE: **EM-VER-049-050207** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at Bright Meadow Road, Enfield, Connecticut.

Dear Attorney Baldwin:

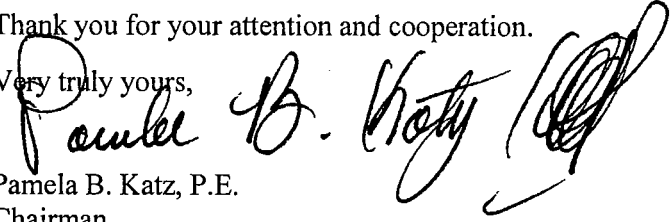
At a public meeting held on March 3, 2005, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated February 7, 2005, 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 William R. Vayda, Mayor, Town of Enfield
Jose Giner, Director of Planning and Community Development, Town of Enfield
Christopher B. Fisher, Esq., Cuddy & Feder LLP
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP
Thomas F. Flynn III, Nextel Communications Inc.

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February 7, 2005



Via Hand Delivery

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

Re: **Notice of Exempt Modification – Antenna Swap
Bright Meadow Boulevard
Enfield, Connecticut**

Dear Mr. Phelps:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains a wireless telecommunications facility, on an existing tower owned by Sprint Sites USA off Bright Meadow Boulevard in Enfield. This facility consists of twelve (12) panel-type cellular antennas at the 137-foot level of the 150-foot tower. Equipment associated with the antennas is located in a shelter near the base of the tower.

The Connecticut Siting Council (“the Council”) approved Cellco’s shared use of the Bright Meadow Boulevard facility in TS-BAM-049-990701. Cellco now intends to modify its facility by replacing six (6) cellular antennas with six (6) PCS antennas at the same 137-foot level on the tower. Attached behind Tab 1 are specifications for the existing cellular antennas and the proposed PCS antennas for the Bright Meadow Boulevard facility.



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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 Enfield Mayor, Patrick L. Tallarita.

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

HART1-1233279-1

ROBINSON & COLE^{LLP}

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1. The proposed modifications will not result in any increase in the overall height of the existing structure. Cellco's replacement antennas will be mounted at the same 137-foot level on the 150-foot tower.
2. The proposed modifications will not affect ground-mounted equipment and will not require the extension of the site boundaries.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more.
4. The proposed modifications will not result in radio frequency (RF) power density levels at the facility that exceed the Federal Communications Commission (FCC) adopted safety standard. Attached behind Tab 2 is a new Power Density Calculation Table.

For the foregoing reasons, Cellco respectfully submits that the proposed modifications to the above-referenced telecommunications facility constitute an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,



Kenneth C. Baldwin

Enclosures

cc: Patrick L. Tallarita, Mayor
Sandy M. Carter

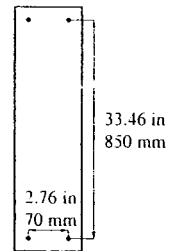
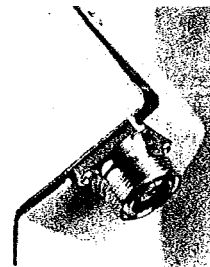
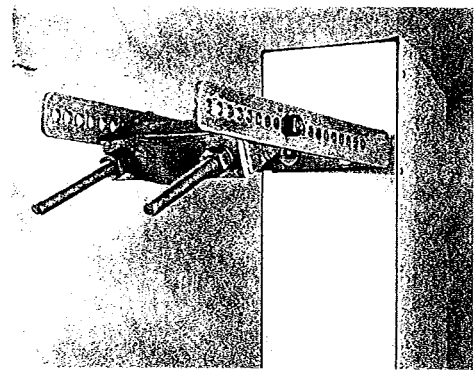
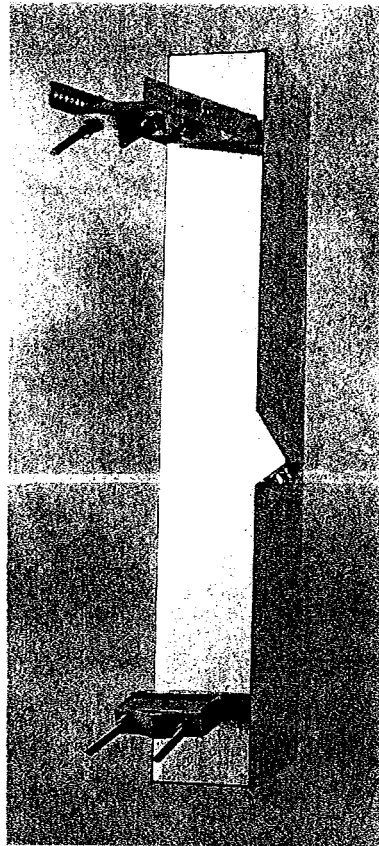


ALP-E 9011-Din

Enhanced Log-Periodic Antenna

Features:

- ☐ Small Size
- ☐ Aesthetically Pleasing
- ☐ Suitable For TDMA/CDMA
- ☐ High Return Loss
- ☐ Low Intermodulation
- ☐ High FTB
- ☐ Broadbanded
- ☐ Side-lobe Suppression
- ☐ Sturdy Design
- ☐ Down-Tilt Brackets Incl.



The distance between the center of the bolts (on the back of the antenna) are shown in the drawing above.

Bolt diameter is: 3/8-16
[comes with lock nut].

Frequency Range:	800-900 MHz
Impedance:	50 ohm
Connector Type:	7/16 Din
Return Loss:	20 dB
Polarization:	Vertical
Gain:	> 11 dBd
Front To Back Ratio:	> 30 dB
Side-Lobe Suppression:	18 dB
Intermodulation (2x25W):	IM3 > 146 dB IM5 > 153 dB IM7/9 > 163 dB
Power Rating:	500 W
H-Plane (-3 dB point):	85 - 92°
V-Plane (-3 dB point):	16 - 18°
Lightning Protection:	DC Grounded

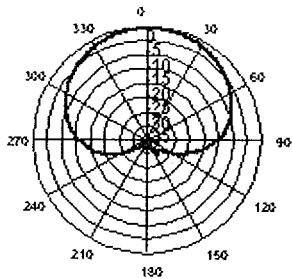
Overall Height:	43 in	[1092 mm]
Width:	6.5 in	[165 mm]
Depth:	8 in	[203 mm]
Weight Including Tilt-Brackets:	20 lbs	[9.1 Kg]
Rated Wind Velocity:	113 mph	[180 Km/h]
Wind Area (CxA/Side):	2.3 sq. ft.	[0.22 sq.m]
Lateral Thrust At Rated Wind Worst Case:	112 lbs	[500 N]

Radiating Elements:	Aluminum
Extrusion:	Aluminum
Radome:	Grey PVC
Tilt-Bracket:	Hot Dip Galvanized Steel
Antenna Bolts:	Stainless Steel

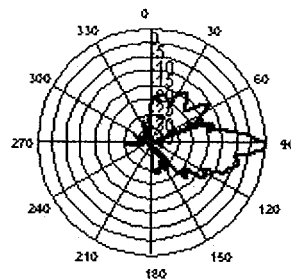
The ALP-E 9011-Din is made in U.S.A.

DECIBEL® Base Station Antennas	948F85T2E-M 16.1 dBi, Directed Dipole Antenna 1850-1990 MHz	1850-1990 MHz MaxFill™ dB Director®
<ul style="list-style-type: none"> • 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 		

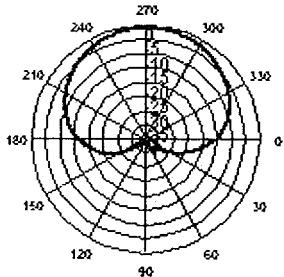
85°



Azimuth 1850 MHz (Tilt=2)



Vertical 1850 MHz (Tilt=2)



Horizontal 1850 MHz (Tilt=2)



ELECTRICAL		MECHANICAL	
Frequency (MHz): Polarization: Gain (dBd/dBi): Azimuth BW: Elevation BW: Beam Tilt: USLS* (dB): Null Fill* (dB): Front-to-Back Ratio* (dB): VSWR: IM Suppression - Two 20 Watt Carriers: Impedance: Max Input Power: Lightning Protection: Opt Electrical Tilt:	1850-1990 Vertical 14/16.1 85° 8° 2° >18 15 40 <1.33:1 -150 dBc 50 Ohms 250 Watts DC Ground 0°, 4°, 6°	Weight: Dimensions (LxWxD): Max. Wind Area: Max. Wind Load (@ 100mph): Max. Wind Speed: Radiator Material: Reflector Material: Radome Material: Mounting Hardware Material: Connector Type: Color: Standard Mounting Hardware: Downtilt Mounting Hardware: Opt. Mounting Hardware:	8.5 lbs (3.9 kg) 48 X 3.5 X 7 in (1219 X 89 X 178 mm) 1.18 ft² (0.11 m²) 65 lbf (289 N) 125 mph (201 km/h) Low Loss Circuit Board Aluminum ABS, UV Resistant Galvanized Steel 7-16 DIN - Female (Bottom) Light Gray DB390 Pipe Mount Kit, included DB5098, optional DB5094-AZ Azimuth Wall Mount



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

Date: 4/29/2004
* - Indicates Typical Values

dbtech@andrew.com

General Power Density

Site Name: N. Thompsonville , CT
Tower Height: 137 ft rad center

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 (%)	
Verizon	869	9	200	1800	137	0.0345	0.5793	5.95%	
Verizon	1900	3	200	600	137	0.0115	1	1.15%	
Total Percentage of Maximum Permissible Exposure								7.10%	

*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.

