



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

March 5, 2005

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

RE: **EM-VER-025-050202** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 1119 Summit Road, Cheshire, Connecticut.

Dear Attorney Baldwin:

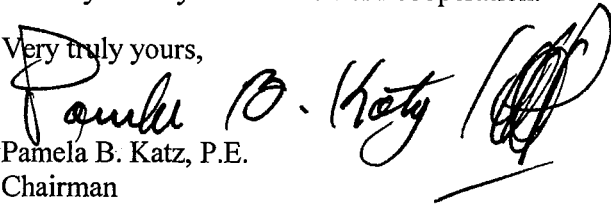
At a public meeting held on March 3, 2005, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated February 2, 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: The Honorable Thomas Stretton, Council Chairman, Town of Cheshire
- Richard A. Pfurr, Town Planner, Town of Cheshire
- Jeffrey W. Barbadora, Crown Atlantic Company
- Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP
- Thomas F. Flynn III, Nextel Communications, Inc.
- Stephen J. Humes, Esq., McCarter & English LLP
- Christopher B. Fisher, Esq., Cuddy & Feder LLP



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February 3, 2005

The Honorable Thomas Stretton
Council Chairman
Town of Cheshire
84 South Main Street
Cheshire, CT 06410

RE: **EM-VER-025-050202** – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 1119 Summit Road, Cheshire, Connecticut.

Dear Mr. Stretton:

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 March 3, 2005 at 1:30 p.m. in Hearing Room One, Ten Franklin Square, New Britain, Connecticut.

If you have any questions or comments regarding this proposal, please call me or inform the council by March 2, 2005.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/cm

Enclosure: Notice of Intent

c: Richard A. Pfurr, Town Planner, Town of Cheshire

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

February 2, 2005

Via Hand Delivery

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

RECEIVED
 FEB 02 2005
 CONNECTICUT
 SITING COUNCIL

Re: **Notice of Exempt Modification – Antenna Swap**
1119 Summit Road
Cheshire, Connecticut

Dear Mr. Phelps:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains a wireless telecommunications facility, on an existing tower owned by Crown Atlantic Company, LLC at 1119 Summit Road in Cheshire. This facility consists of twelve (12) panel-type cellular antennas at the 168-foot level of the 170-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 Summit Road facility in Docket No. 199. Cellco now intends to modify its facility by replacing six (6) cellular antennas with six (6) PCS antennas at the same 168-foot level on the tower. Attached behind Tab 1 are specifications for the existing cellular antennas and the proposed PCS antennas for the Summit Road 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 Cheshire Town Manager, Michael A. Milone.

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



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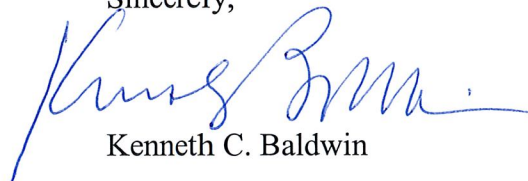
HART1-1232993-1

S. Derek Phelps
February 2, 2005
Page 2

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 168-foot level on the 170-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: Michael A. Milone, Town Manager
Sandy M. Carter



DECIBEL
Base Station Antennas

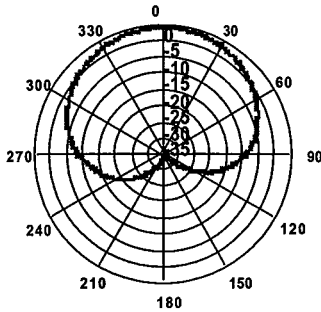
DB844H90E-XY

12 dBd, Directed Dipole Antenna
806-896, 870-960 MHz

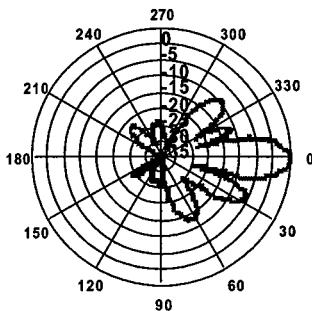
806-896 MHz
870-960 MHz

- Excellent azimuth roll-off, 15-20% reduction in cell to cell overlap
- Superior front to back ratio
- Low profile, low wind load for easy zoning
- Outstanding field record, with thousands of units deployed, world wide

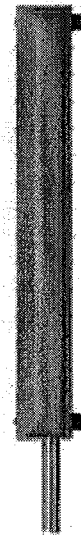
90°



Horizontal 940 MHz (Tilt=0)



Vertical 940 MHz (Tilt=0)



ELECTRICAL

MECHANICAL

Frequency (MHz):	806-896	870-960	Weight:	14 lbs (6.4 kg)
Polarization:	Vertical	Vertical	Dimensions (LxWxD):	48 X 6.5 X 8 in (1219 X 165 X 203 mm)
Gain (dBd/dBi):	12/14.1	12.4/14.5	Max. Wind Area:	1.08 ft ² (0.10 m ²)
Azimuth BW:	90°	90°	Max. Wind Load (@ 100mph):	59 lbf (262 N)
Elevation BW:	15°	15°	Max. Wind Speed:	125 mph (201 km/h)
Beam Tilt:	0°	0°	Radiator Material:	Brass
USLS* (dB):	>15	>15	Reflector Material:	Aluminum
Front-to-Back Ratio* (dB):	40	40	Radome Material:	ABS, UV Resistant
VSWR:	<1.35:1	<1.35:1	Mounting Hardware Material:	Galvanized Steel
Impedance:	50 Ohms	50 Ohms	Connector Type:	7-16 DIN - Female (Back)
Max Input Power:	500 Watts	500 Watts	Alt. Connectors:	N Type - Female
Lightning Protection:	DC Ground	DC Ground	Color:	Light Gray
Opt Electrical Tilt:	6°	6°	Standard Mounting Hardware:	DB380 Pipe Mount Kit, included
			Downtilt Mounting Hardware:	DB5083, optional
			Opt. Mounting Hardware:	DB5084-AZ Azimuth Wall Mount



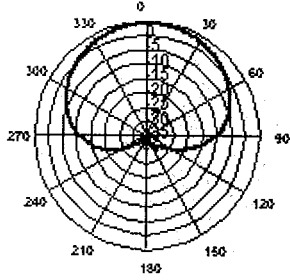
Andrew Corporation
8635 Stemmons Freeway
Dallas, Texas U.S.A 75247-3701
Tel: 214.631.0310

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

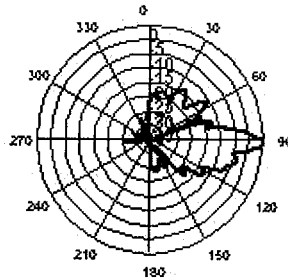
Warranty: Five years
Date: 4/23/2004
* - Indicates Typical Values

dbtech@andrew.com

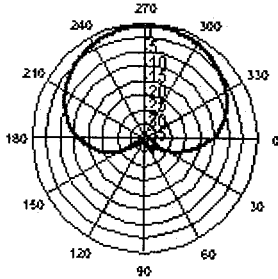
DECIBEL® Base Station Antennas	948F85T2E-M 16.1 dBi, Directed Dipole Antenna 1850-1990 MHz	1850-1990 MHz
		MaxFill™ dB Director®
<ul style="list-style-type: none"> • Exceptional azimuth roll-off reducing soft hand-offs and improving capacity • Excellent upper side lobe suppression • Deep null filling 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):	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:	1.18 ft ² (0.11 m ²)
Azimuth BW:	85°	Max. Wind Load (@ 100mph):	65 lbf (289 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:	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 dBc	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
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Fax: 214.631.4706
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 Fax: 1.800.229.4706
 www.andrew.com

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

dbtech@andrew.com

General Power Density

Site Name: Cheshire 2, CT
 Tower Height: 168 FT

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*	Fraction of MPE (%)
Verizon	880	9	200	1800	168	0.0229	0.586	3.91%
Verizon	1900	3	200	600	168	0.0076	1	0.76%
Total Percentage of Maximum Permissible Exposure								4.68%

*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

