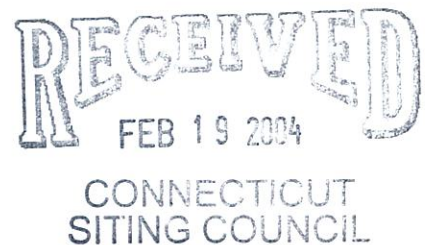


Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

February 19, 2004

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

**Greenwich – 5 Perry Ridge Road (Greenwich Hospital) Greenwich, CT
Trumbull 3 – Indian Ledge Park, Trumbull, CT**

Dear Mr. Phelps:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) has established telecommunications facilities at each of the above-referenced tower sites. In each case, Cellco has received approval to install twelve (12) panel-type cellular antennas on the existing tower. Cellco now intends to modify each of these facilities by simply replacing six (6) of the cellular antennas with six (6) PCS antennas.

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 chief elected officials in each municipality.



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S. Derek Phelps
February 19, 2004
Page 2

As the Council knows, on May 23, 2003, Cellco acquired, from Northcoast Communications, a license to provide PCS service throughout Connecticut. The proposed modifications to each of the above referenced tower sites will allow Cellco to provide its customers in Connecticut, with enhanced wireless voice and data services. While these modifications are not significant, Cellco feels compelled to present these modifications to the Council for review.

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

1. The proposed modifications will not result in any increase in the overall height of the existing tower structures. Cellco's replacement antennas will be mounted at the same level as its existing antennas.
2. The proposed modifications will not affect any 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 facilities that exceed the Federal Communications Commission (FCC) adopted safety standard. Attached to this notice are RF Power Density calculations for both the Cellco cellular and PCS antennas at each of the sites identified.

Also attached, behind each power density calculation table, are the specifications for the existing cellular and proposed PCS antennas to be used at each of these sites. Please note that in each case the existing cellular antennas are in fact heavier and have a larger wind area than the proposed PCS antennas. An updated structural analysis is therefore not required for the proposed modifications.



S. Derek Phelps
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Page 3

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Kenneth C. Baldwin", is written over the typed name.

Kenneth C. Baldwin

cc: James Lash, First Selectman, Town of Greenwich
Raymond Baldwin, First Selectman, Town of Trumbull
Sandy M. Carter, Verizon Wireless



General Power Density

Site Name: Greenwich, CT
Tower Height: 124 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	880	9	200	1800	124	0.0421	0.56733	7.42%	
Verizon	1900	3	285	855	124	0.0200	1	2.00%	
Total Percentage of Maximum Permissible Exposure								9.42%	

*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 scenario, maximum values used.



DECIBEL[®]
Base Station Antennas

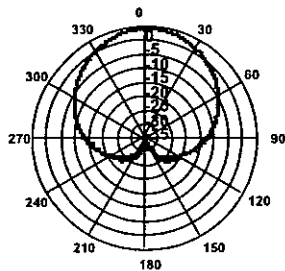
DB844H65E-XY

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

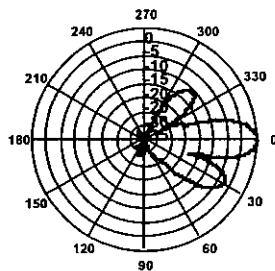
806-896 MHz
870-960 MHz

- 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

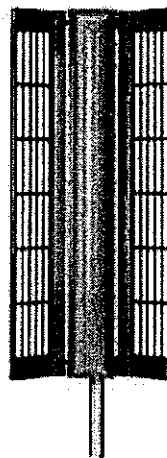
65°



Horizontal 835 MHz (Tilt=0)



Vertical 835 MHz (Tilt=0)



ELECTRICAL			MECHANICAL	
Frequency (MHz):	806-896	870-960	Weight:	20 lbs (9.1 kg)
Polarization:	Vertical	Vertical	Dimensions (LxWxD):	48 X 21 X 8.5 in (1219 X 533 X 216 mm)
Gain (dBd/dBi):	13.1/15.2	13.3/15.4	Max. Wind Area:	4.7 ft ² (0.44 m ²)
Azimuth BW:	65°	65°	Max. Wind Load (@ 100mph):	186 lbf (827 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:	Passivated Aluminum
Front-to-Back Ratio* (dB):	40	40	Radome Material:	ABS, UV Resistant
VSWR:	<1.5:1	<1.5:1	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
			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

Date: 1/26/2004
* - Indicates Typical Values

dh1tech@andrew.com

DECIBEL®

948F65T2ZE-M

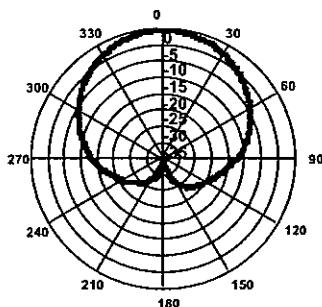
17.2 dBi, Log, No Screen Antenna
1850-1990 MHz

1850-1990 MHz

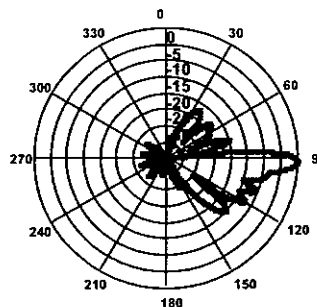
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MaxFill™

- 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

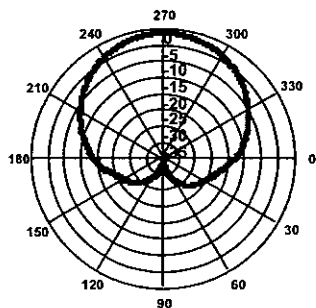
65°



Azimuth 1950 MHz (Tilt=2)



Vertical 1950 MHz (Tilt=2)



Horizontal 1950 MHz (Tilt=2)



ELECTRICAL

Frequency (MHz):	1850-1990
Polarization:	Vertical
Gain (dBd/dBi):	15.1/17.2
Azimuth BW:	65°
Elevation BW:	8°
Beam Tilt:	2°
USLS* (dB):	>16
Null Fill* (dB):	<15
Front-to-Back Ratio* (dB):	40
VSWR:	<1.33:1
IM Suppression - Two 20 Watt Carriers:	-150 dBc
Impedance:	50 Ohms
Max Input Power:	250 Watts
Lightning Protection:	DC Ground

MECHANICAL

Weight:	9.5 lbs (4.3 kg)
Dimensions (LxWxD):	48 X 6.5 X 4 in (1219 X 165 X 102 mm)
Max. Wind Area:	2.2 ft² (0.2 m²)
Max. Wind Load (@ 100mph):	88 lbf (391 N)
Max. Wind Speed:	125 mph (201 km/h)
Radiator Material:	Low Loss Circuit Board
Reflector Material:	Passivated Aluminum
Radome Material:	ABS, UV Resistant
Mounting Hardware Material:	Galvanized Steel
Connector Type:	7/16 DIN - Female (Bottom)
Color:	Light Gray
Standard Mounting Hardware:	DB390 Pipe Mount Kit, included
Downtilt Mounting Hardware:	DB5098, optional



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: 7/24/2003

dbtech@andrew.com

General Power Density

Site Name: Trumbull 3, CT
Tower Height: 155 Ft. rad center

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE	
	(MHz)		(watts)	(watts)	(feet)	(mW/cm ²)	(mW/cm ²)	(%)	
Verizon	880	9	200	1800	155	0.0269	0.56733	4.75%	
Verizon	1900	3	285	855	155	0.0128	1	1.28%	
Total Percentage of Maximum Permissible Exposure								6.03%	

*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

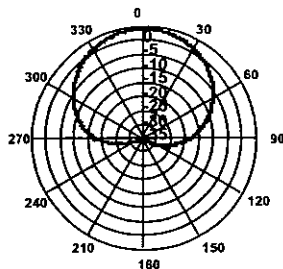
mW/cm² = milliwatts per square centimeter

ERP = Effective Radiated Power

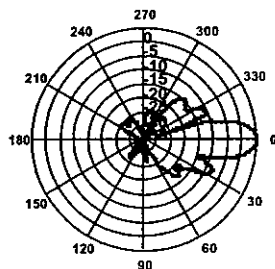
Absolute worst case scenario, maximum values used.



DECIBEL® Base Station Antennas	DB844G65ZAXY 13.5 dBd, Log, No Screen Antenna 806-960, 870-960 MHz	806-960 MHz 870-960 MHz GEN3VPOL™ ZoneMaster™
• Excellent azimuth roll-off, reducing sector to sector interference and reducing soft hand-offs • Air dielectric feed system, no screws, rivets, welds or solder in RF element feed path • Strong upper side lobe suppression • Low profile appearance and low wind loading profile for easier zoning approvals		65°



Horizontal 880 MHz (Tilt=0)



Vertical 880 MHz (Tilt=0)



ELECTRICAL			MECHANICAL	
Frequency (MHz):	806-960	870-960	Weight:	12 lbs (5.4 kg)
Polarization:	Vertical	Vertical	Dimensions (LxWxD):	48 X 10 X 8 in (1219 X 254 X 203 mm)
Gain (dBd/dBi):	13.5/15.6	13.8/15.9	Max. Wind Area:	3.4 ft² (0.32 m²)
Azimuth BW:	65°	65°	Max. Wind Load (@ 100mph):	136 lbf (605 N)
Elevation BW:	15°	15°	Max. Wind Speed:	125 mph (201 km/h)
Beam Tilt:	0°	0°	Radiator Material:	Aluminum
USLS* (dB):	>15	>15	Reflector Material:	Passivated Aluminum
Null Fill* (dB):	20-25	20-25	Radome Material:	ABS, UV Resistant
Front-to-Back Ratio* (dB):	40	40	Mounting Hardware Material:	Galvanized Steel
VSWR:	<1.33:1	<1.33:1	Connector Type:	7-16 DIN-Female (Back)
Impedance:	50 Ohms	50 Ohms	Color:	Light Gray
Max Input Power:	500 Watts	500 Watts	Standard Mounting Hardware:	DB380 Pipe Mount Kit, included
Lightning Protection:	DC Ground	DC Ground	Downtilt Mounting Hardware:	DB5083, optional
Opt Electrical Tilt:	6°	6°	Opt. Mounting Hardware:	DB5084-AZ Azimuth Wall Mount



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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: 11/17/2003
* - Indicates Typical Values

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DECIBEL®

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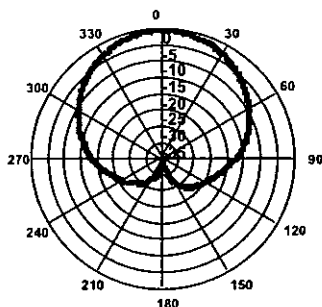
17.2 dBi, Log, No Screen Antenna
1850-1990 MHz

1850-1990 MHz

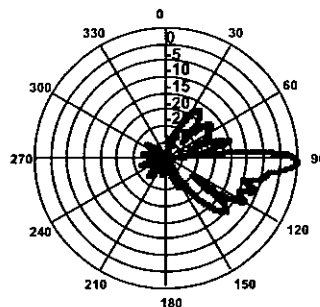
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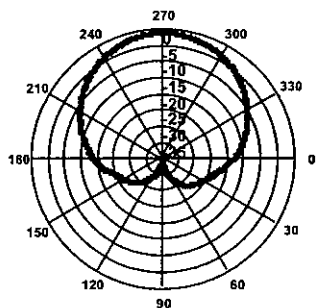
65°



Azimuth 1950 MHz (Tilt=2)



Vertical 1950 MHz (Tilt=2)



Horizontal 1950 MHz (Tilt=2)

ELECTRICAL

Frequency (MHz):	1850-1990
Polarization:	Vertical
Gain (dBd/dBi):	15.1/17.2
Azimuth BW:	65°
Elevation BW:	8°
Beam Tilt:	2°
USLS* (dB):	>16
Null Fill* (dB):	<15
Front-to-Back Ratio* (dB):	40
VSWR:	<1.33:1
IM Suppression - Two 20 Watt Carriers:	-150 dBc
Impedance:	50 Ohms
Max Input Power:	250 Watts
Lightning Protection:	DC Ground

MECHANICAL

Weight:	9.5 lbs (4.3 kg)
Dimensions (LxWxD):	48 X 6.5 X 4 in (1219 X 165 X 102 mm)
Max. Wind Area:	2.2 ft² (0.2 m²)
Max. Wind Load (@ 100mph):	88 lbf (391 N)
Max. Wind Speed:	125 mph (201 km/h)
Radiator Material:	Low Loss Circuit Board
Reflector Material:	Passivated Aluminum
Radome Material:	ABS, UV Resistant
Mounting Hardware Material:	Galvanized Steel
Connector Type:	7/16 DIN - Female (Bottom)
Color:	Light Gray
Standard Mounting Hardware:	DB390 Pipe Mount Kit, included
Downtilt Mounting Hardware:	DB5098, optional

ANDREW.

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Warranty: Five Years
Date: 7/24/2003

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