



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

June 12, 2006

Douglas J. Hulbert
Project Manager
CH2M Hill
2 Willow Street, Suite 102
Southborough, MA 01745

RE: **EM-CING-060-084-101-060525** - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 125 Washington Avenue, North Haven; 430-434 Boston Post Road, Milford; and 201 Granite Road, Guilford, Connecticut.

Dear Mr. Hulbert:

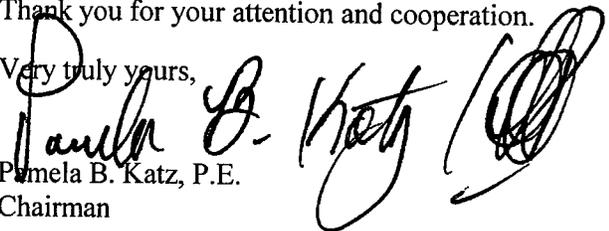
At a public meeting held on June 7, 2006, the Connecticut Siting Council (Council) acknowledged your notice to modify these existing telecommunications facilities, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated May 23, 2006, including the placement of all necessary equipment and shelters within the tower compounds. 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 existing facility sites that would not increase tower heights, extend the boundaries of the tower sites, increase noise levels at the tower site boundaries by six decibels, and increase the total radio frequencies electromagnetic radiation power densities measured at the tower site boundaries to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. These facilities have also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on these towers.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to any of these facilities 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: See Attached List

List Attachment.

The Honorable Carl A. Balestracci, Jr., First Selectman, Town of Guilford
Regina Reid, Zoning Enforcement Officer, Town of Guilford
The Honorable Kevin J. Kopetz, First Selectman, Town of North Haven
Arthur Hausman, Zoning Enforcement Officer, Town of North Haven
The Honorable James L. Richetelli, Jr., Mayor, City of Milford
David Sulkis, City Planner, City of Milford
Christopher B. Fisher, Esq., Cuddy & Feder LLP
Michele G. Briggs, New Cingular Wireless PCS, LLC
Kenneth C. Baldwin, Esq., Robinson & Cole LLP
Christine Farrell, T-Mobile
Candid Communications of Trumbull, LLC
Milford Police Department



CH2MHILL

EM-CING-060-084-101-060525

CH2M HILL
2 Willow Street, Suite 102
Southborough, MA
01745
Tel 617.834.1643
Fax 508.229.0549

23 May 2006

ORIGINAL

RECEIVED
MAY 25 2006
CONNECTICUT
SITING COUNCIL

Ms. Pam Katz, Chairman, and
Members of the Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

**RE: Notice of Exempt Modification – Existing Cingular
Telecommunications Tower Facility at 125 Washington Avenue,
North Haven, Connecticut**

**Notice of Exempt Modification – Existing AT&T Wireless Telecommunications Tower
Facility at 430-434 Boston Post Road,
Milford, Connecticut**

**Notice of Exempt Modification – Existing AT&T Wireless Telecommunications Tower
Facility at 201 Granite Road,
Guilford, Connecticut**

Dear Chairman Katz and Members of the Council:

Kise Straw & Kolodner Inc., in association with CH2M HILL, submits this notice of intent to modify three existing telecommunications facilities at 125 Washington Avenue, North Haven, CT; 430-434 Boston Post Road, Milford, CT; and 201 Granite Road, Guilford, CT. New Cingular Wireless PCS, LLC ("Cingular") proposes to remove and replace telecommunications antennas and associated equipment located on the existing towers at the above-referenced locations.

Sincerely

Douglas J. Hulbert
Project Manager



CH2M HILL
2 Willow Street, Suite 102
Southborough, MA
01745
Tel 617.834.1643
Fax 508.229.0549

ORIGINAL

22 May 2006

Ms. Pam Katz, Chairman, and
Members of the Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RECEIVED
MAY 25 2006

CONNECTICUT
SITING COUNCIL

**RE: Notice of Exempt Modification – Existing Cingular
Telecommunications Tower Facility at 125 Washington Avenue,
North Haven, Connecticut**

Dear Chairman Katz and Members of the Council:

Kise Straw & Kolodner Inc., in association with CH2M HILL, submits this notice of intent to modify an existing telecommunications facility. New Cingular Wireless PCS, LLC ("Cingular") proposes to remove and replace telecommunications antennas and associated equipment located on an existing tower at the above-referenced location. Cingular operates under licenses issued by the Federal Communications Commission (FCC) to provide cellular and PCS mobile telephone service in New Haven County, which includes the area to be served by the proposed installation.

Please accept this letter as notification to the Council, pursuant to Regulations of Connecticut State Agencies (RCSA) Section 16-50j-73. This submission will demonstrate that the proposed changes fall within the limits of an exempt modification as described under the RCSA Section 16-50j-72(b)(2).

In accordance with RCSA Section 16-50j-73, the First Selectman of the Town of North Haven will receive notification of this proposal.

This proposal for modification includes the following attachments:

- Project Location Map,
- Overall Parallel Plan,
- Equipment Plan,
- Tower Elevation,
- Equipment Specifications, and

- Structural Evaluation.

Existing Facility

The North Haven facility is located at 125 Washington Avenue, which is located southeast of Route 91 and between Lincoln and George Streets. Facility coordinates are Lat. 41° 23' 49" and Long. 72° 51' 26". Please refer to the attached *Project Location Map*.

The facility is controlled and operated by Cingular whose corporate office is located at 500 Enterprise Drive, Rocky Hill, CT 06067. The site hosts a 120' monopole tower within a 52' x 28' compound. Also within the compound, there is a 12' x 26' equipment shelter. Please refer to the attached *Parallel and Equipment Plans*.

Proposed Modifications

As shown on the attached parallel plan, equipment plan, and tower elevation, Cingular proposes to add one (1) new equipment cabinet (Ericsson RBS 3106) inside an existing equipment shelter. In addition, Cingular will remove the existing antennas (DUO1417-8686) and replace them with a total of six (6) Powerwave #7770 antennas, located at an existing centerline height of approximately 121' above ground level. Cingular will keep nine (9) 1 5/8" diameter existing coaxial cables and run three (3) new coaxial cables of the same dimension. Cingular will remove the existing tower mounted amplifiers and affix twelve (12) new units (LGP 214nn) to the structure; these tower mounted amplifiers will be attached at the same height as the antennas. Please refer to the attached *Equipment Plan, Tower Elevation, and Equipment Specifications*.

In summary, the facility at 125 Washington Avenue will receive a new equipment cabinet and the final antenna configuration will include:

- 6 antennas,
- 12 coaxial cables, and
- 12 tower mounted amplifiers.

The *Structural Evaluation*, which is attached to this Notice, demonstrates that the monopole will be structurally capable of supporting the proposed Cingular telecommunications equipment once the proposed modifications are complete.

Statutory Considerations

The planned changes to the North Haven facility fall within those activities explicitly provided for in RCSA Section 16-50j-72(b)(2). As such, the proposed work does not result in any substantial adverse environmental effect.

1. The proposed work does not affect the height of the structure.
2. The proposed changes do not affect the existing property boundaries. All proposed work will occur on the property controlled by Cingular.

3. The proposed work will not increase noise levels at the monopole site boundary by six (6) decibels or more.
4. Addition of the UMTS broadcasts will not increase the exposure to radio frequency electromagnetic energy, measured at the base of the tower, to or above the standard adopted by the state of Connecticut and the FCC. The table below summarizes the cumulative results for a point of interest at the tower's base of the "worst-case" exposure calculations resulting from all carriers co-located on this tower. The calculations are in accordance with FCC Office of Engineering and Technology Bulletin No. 65 (1997), and for simplicity, an assumption is made that the antennas are all pointed down, thus focusing their energy at the tower's base.

Site # 2209								
Carrier	Antenna Height (ft)	Freq. (MHz) For Limit	# of Channels	W ERP/Channel (ref 1/2-w dipole)	W EIRP/Sector	Power Density ($\mu\text{W}/\text{cm}^2$)	FCC Limit ($\mu\text{W}/\text{cm}^2$)	Percent of Limit (%)
Cingular UMTS	126	1935.0	1	500.0	820.0	11.3	1000	1.13%
XM Radio	110	2337.0	2	321.8	1055.4	19.1	1000	1.91%
Cingular TDMA	126	880.0	16	100.0	2624.0	36.2	587	6.18%
Cingular 800	126	880.0	2	296.0	970.9	13.4	587	2.29%
Cingular 1900	126	1900.0	2	427.0	1400.6	19.3	1000	1.93%
AT&T	98	1900.0	12	250.0	4920.0	112.3	1000	11.23%
TOTAL								24.68%

As the table demonstrates, the cumulative worst-case exposure would be approximately 24.68% of the ANSI/IEEE standard, as calculated for mixed frequency sites. Total power density levels resulting from Cingular's use of the monopole facility would be within applicable standards.

For the foregoing reasons, Cingular respectfully submits that proposed changes at the North Haven site constitute an exempt modification under RCSA Section 16-50j-72(b)(2).

Please do not hesitate to call Elizabeth H. Lankenau at 215.790.1050 ext. 138 with questions concerning this notice. Thank you for your consideration of this matter.

Sincerely,



Douglas J. Hulbert
Project Manager

Attachments

cc: Honorable Kevin J. Kopetz, First Selectman, Town of North Haven

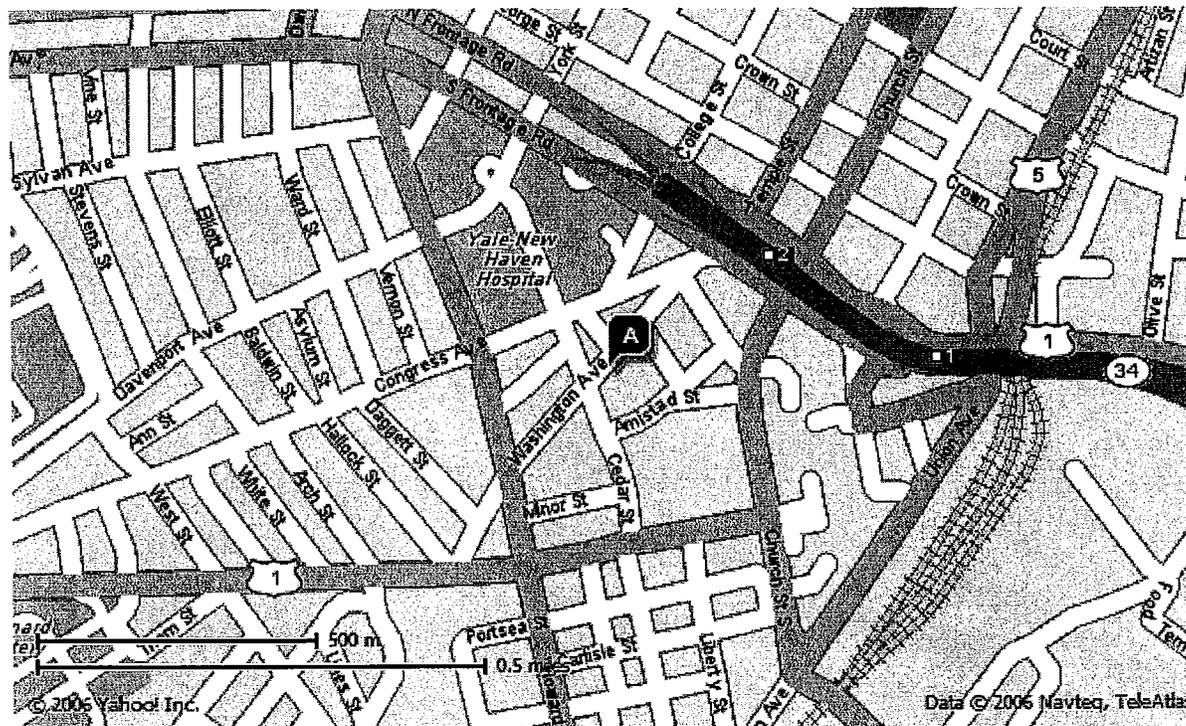
Attachments

125 Washington Avenue, North Haven, CT

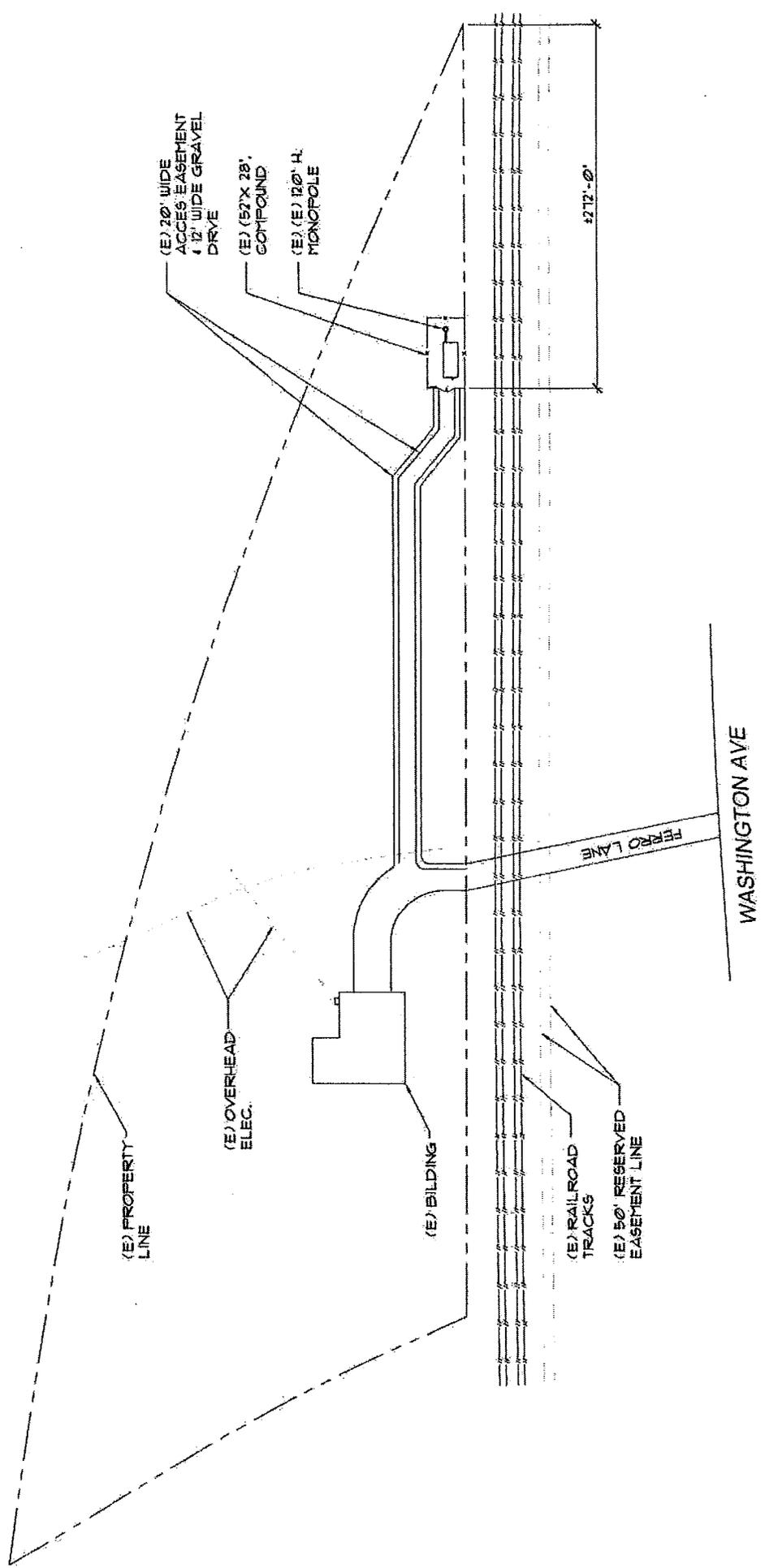
- Project Location Map
- Overall Parallel Plan
- Equipment Plan
- Tower Elevation
- New Equipment Specifications
- Existing Antenna Specification
- Structural Evaluation



A Gables at Guilford Incorporated(203) 458-3337
125 Washington Avenue, North Haven. CT. USA

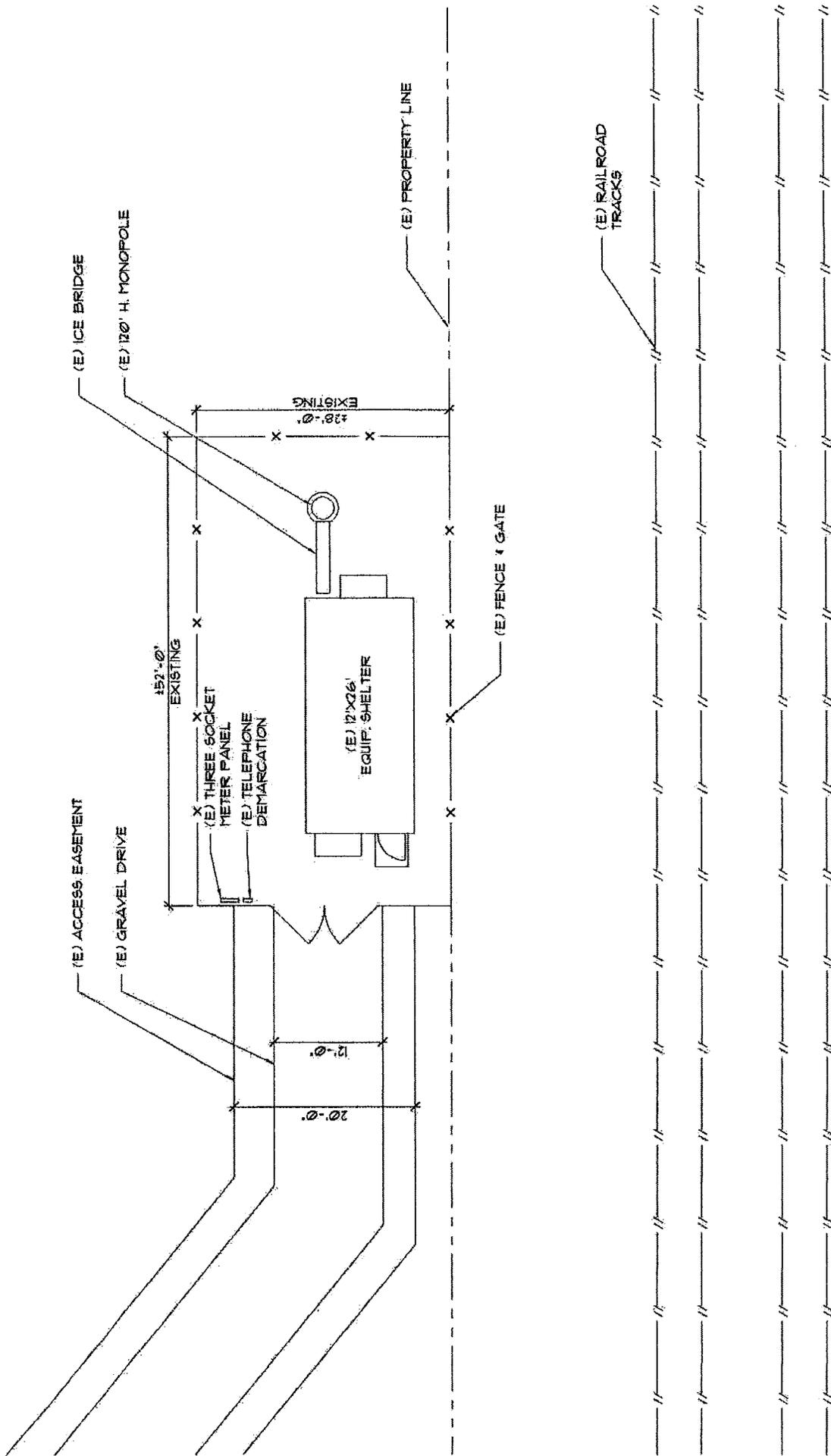


When using any driving directions or map, it's a good idea to do a reality check and make sure the road still exists, watch out for construction, and follow all traffic safety precautions. This is only to be used as an aid in planning.



1 OVERALL PARALLEL PLAN
NTS

			 888 WEST BRYAN MAWR CHICAGO, ILLINOIS 60681	CINGULAR WIRELESS	
				NO. 1 DATE 1-05-22-06 ISSUED FOR CSC REVIEW	RR JZ BY [Signature]
SCALE: N.T.S.		CHECKED BY: JZ	DRAWN BY: RR	SITE # 2209	DRAWING NUMBER 2209
(E) 20' WIDE ACCESS EASEMENT (E) 12' WIDE GRAVEL DRIVE		(E) (52' X 28') CONFOUND		SITE NAME: WASHINGTON AVE. TOWER 125 WASHINGTON AVE. NORTH HAVEN, CT. 06473	REV 0
(E) OVERHEAD ELEC.		(E) BUILDING		REV 0	
(E) PROPERTY LINE		(E) RAILROAD TRACKS (E) 50' RESERVED EASEMENT LINE		REV 0	



NORTH

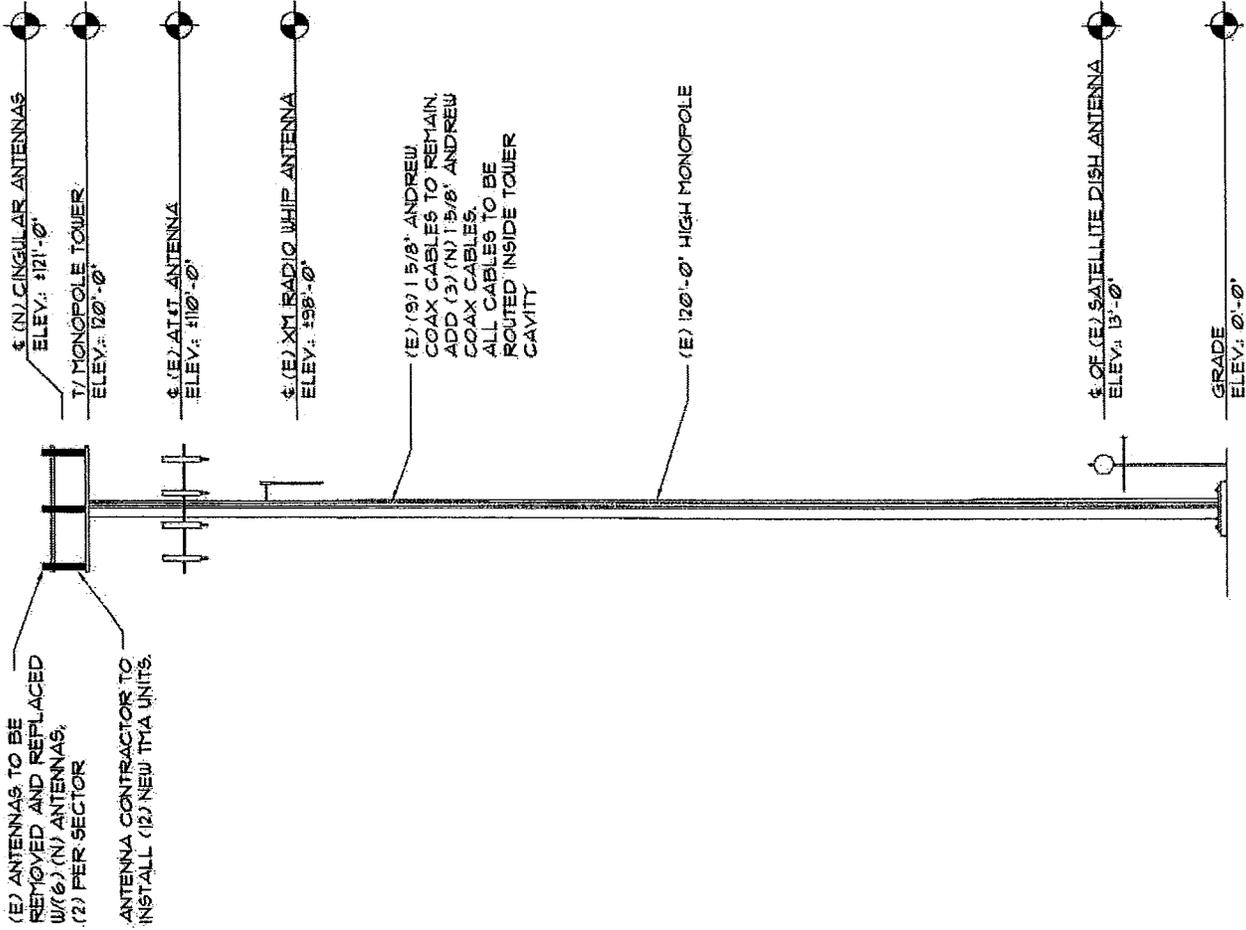
1 EQUIPMENT PLAN
1/16"=1'-0"

cingularSM WIRELESS

ERICSSON

CH2MHILL
8619 WEST BRYN MAWR
CHICAGO, ILLINOIS 60651

CINGULAR WIRELESS			
SITE #	2209	RR	JZ
SITE NAME	WASHINGTON AVE. TOWER	BY	SKAPP'D
NO.	1	REVISION DESCRIPTION	CHECKED BY: JZ
DATE	05-22-08	ISSUED FOR	CSC REVIEW
SCALE	1/16"=1'-0"	DRAWN BY:	RR
REV.	0	DRAWING NUMBER	2209



FINAL ANTENNA CONFIGURATION
(6) DIRECTIONAL ANTENNAS POWERWAVE # 7770
(12) 1-5/8" DIA. COAX CABLES
(12) TMAS

1 TOWER ELEVATION
 1" = 20'-0"

cingular WIRELESS

ERICSSON

CH2M HILL
 8818 WEST BRUNN MAWR
 CHICAGO, ILLINOIS 60631

NO. 1		DATE		ISSUED FOR		CSC REVIEW		FH		JZ		JZ		REV	
SCALE: 1"=20'-0"		CHECKED BY: JZ		REVISION DESCRIPTION		BT		CHS/APPJ		DRAWING NUMBER		2209		0	
TOWER ELEVATION		DRAWN BY: FH		SITE #		2209		SITE NAME:		WASHINGTON AVE TOWER		125 WASHINGTON AVE NORTH HAVEN, CT 06423		CINGULAR WIRELESS	

3 Dimensions

This section describes the physical characteristics of the RBS: dimensions, weight, and color.

Table 1 The RBS Dimensions

Unit	Dimensions (mm)
Height	1626
Width	1300
Depth	710
Depth including door	926

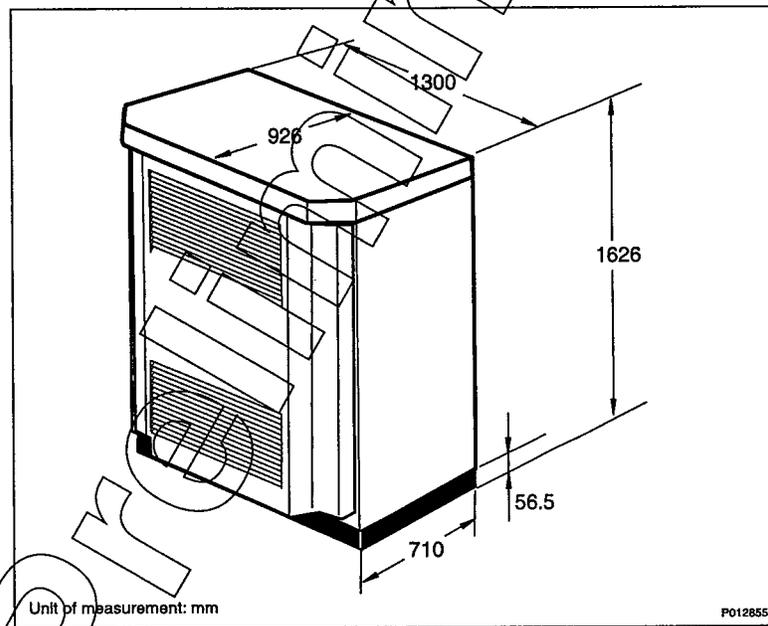


Figure 2 RBS 3106 Dimensions

The RBS weight is shown in the table below.

Table 2 The RBS Weight

Unit	Weight (kg)
RBS fully equipped excluding batteries	560
RBS fully equipped including batteries	850
RBS fully equipped including batteries and future expansion of hardware (not yet available)	875
Installation frame	12

The RBS color is shown in the table below

Table 3 The RBS Color

Color	Color Standard
Grey	RAL 7035
Green	NCS 8010-G 10 Y

Preliminary

Dual Broadband Antenna

90° 1.4 m MET Antenna

806-960/1710-2170 MHz

Part Number:
7770.00

Horizontal Beamwidth: 90°
Gain: 13.5/16 dBi

Electrical Downtilt: Adjustable
Connector Type: 7/16 female

The Powerwave dual band dual polarized broadband antenna has individual adjustable electrical downtilt per band (upgradeable to Remote Electrical Tilt (RET)). Four connector ports allow separate tilts on each frequency band and ensure the use of diversity concepts. The phase shifter technology, based on a patented sliding dielectric, minimizes intermodulation distortion and maximizes efficiency. The slant +/- 45° dual polarization system provides the independent fading signals needed for achieving top-quality coverage via diversity concepts. The Powerwave Broadband antenna design is based on a patented stacked aperture-coupled patch technology, which provides high isolation performance and a wide VSWR bandwidth. The antennas have superior radiation patterns due to a unique reflector design which provides a very small variation of the -3dB horizontal beam width over the frequency band as well as a high front-to-back ratio.



Key Benefits

- Excellent broad- and multi-band capabilities
- Polarization purity makes good diversity gain
- Excellent pattern performance and high gain over frequency
- High passive intermodulation performance
- Light, slim and robust design

Preliminary

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SYSTEMS

BASE STATION
SYSTEMS

COVERAGE
SYSTEMS

THE POWER IN WIRELESS®

 **Powerwave**
technologies

806-960/1710-2170 MHz

Dual Broadband Antenna

Electrical Specifications (Preliminary)

Frequency band (MHz)	806-960	1710-2170
Gain, ± 0.5 dB (dBi)	13.5	16.0
Polarization	Dual linear $\pm 45^\circ$	
Nominal Impedance (Ohm)	50	
VSWR	1.5:1	
VSWR		1.5:1
Isolation between inputs (dB)	30	
Isolation between inputs (dB)		30
Inter band isolation (dB)	40	
Horizontal -3 dB beamwidth	$85 \pm 5^\circ$	$85 \pm 5^\circ$
Tracking, Horizontal plane, $\pm 60^\circ$ (dB)	<2.0	
Tracking, Horizontal plane, $\pm 60^\circ$ (dB)	<2.0	
Electrical downtilt range (adjustable)	0° to 10°	0° to 8°
Vertical -3 dB beamwidth	$14.3 \pm 2.0^\circ$	$6.6 \pm 1^\circ$
Sidelobe suppression, Vertical 1 st upper (dB)	>17, 16, 15 x=0, 5, 10° MET	> 17, 16, 15 x=0, 4, 8° MET
Vertical beam squint	<0.8°	<0.5°
First null-fill (dB)	<-25	<-25
Front-to-back ratio (dB)	>25	>27
Front-to-back ratio, total power (dB)	>20	>23
IM3, 2Tx@43dBm (dBc)	<-153	<-153
IM3, 2Tx@43dBm (dBc)		<-160
IM7, 2Tx@43dBm (dBc)		<-160
Power Handling, Average per input (W)	400	250
Power Handling, Average total (W)	800	500

All specifications are subject to change without notice.
Contact your Powerwave representative for complete performance data.

Mechanical Specifications

Connector Type	4 x 7/16 DIN female
Connector Position	Bottom
Dimensions, HxWxD	1408mm x 280mm x 125mm (55"x11"x5")
Weight Including Brackets	15.8 kg (35 lbs)
Wind Load, Frontal, 42m/s Cd=1	435N (98 lbf)
Survival Wind Speed (m/s)	70 (156mph)
Lightning Protection	DC grounded
Radome Material	GRP
Radome Color	Light Gray
Mounting	Pre-mounted Standard Brackets
Packing Size	1550mm x 355mm x 255mm (61"x14"x10")

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COVERAGE AND CAPACITY

TECHNOLOGY LEADERSHIP

GLOBAL PARTNER

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QUALITY AND RELIABILITY

Tower Mounted Amplifier

Dual Band 1900 MHz with 850 MHz Bypass

1900/850 MHz

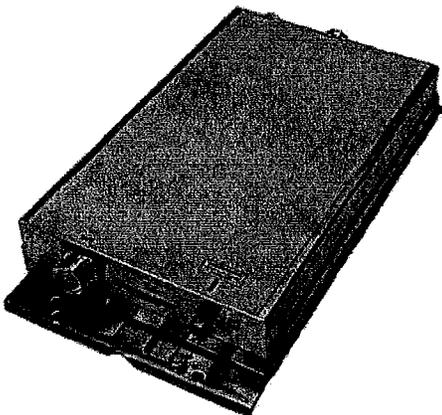
Part Number:
LGP 214nn

Up-link: 1850-1910 MHz
Down-link: 1930-1990 MHz
Bypass: 824-894 MHz

Gain: 12 dB
Noise Figure: < 1.7 dB

The Powerwave® TMA-DD 1900/850 is a dual band Tower Mounted Amplifier (TMA) to be installed near the antenna. Deployed in an AMPS, GSM, GPRS, EDGE and CDMA network it will increase capacity and coverage as well as extend the battery life time for the handsets. The TMA System will provide enhanced coverage and improved up-link signal quality. Appropriate for new rollouts by optimizing coverage with a reduced number of BTSs or as an upgrade to existing BTSs for enhancing the existing coverage.

Extended band TMA facilitates simplified logistics, especially when the frequency bands are scattered. The unit comprises of high Q band-pass filters, dual balanced low noise amplifiers with circuits for active bias, supervision, alarms and lightning protection circuit. The Powerwave patented design with all active components integrated within the filter body provides an extremely reliable, compact and lightweight TMA solution. The vented enclosure design is employed to prevent the effect of condensation, thereby guaranteeing long, reliable, maintenance-free service in all environmental conditions. These TMAs offer an easy to install, maintenance free, cost effective solution for coverage enhancement and increased quality in mobile communication networks.



Key Benefits:

- 850 MHz Bypass
- Improved Network Quality
- Increased Coverage
- State of the Art Performance
- Excellent Power Handling
- Low Tx Loss
- Exceptional Reliability

ANTENNA
SYSTEMS

BASE STATION
SYSTEMS

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SYSTEMS

Tower Mounted Amplifier



1900/850 MHz

Technical Specifications

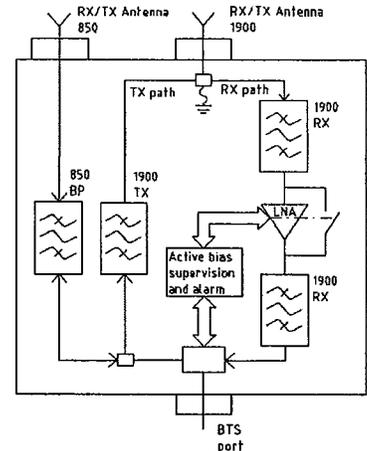
Product Number	LGP214nn	
850 MHz	Bypass (MHz)	824-894
	Return loss* (dB)	> 20
	Insertion loss* (dB)	< 0.3
1900 MHz		
Up-link	Frequency range, full band (60 MHz)	1850-1910
	Nominal gain (dB)	12
	Return loss* (dB)	> 20
	Noise figure* (dB)	< 1.7
	Output 3rd order Intercept Point* (dBm)	> +23
Down-link	Frequency range, full band (60 MHz)	1930-1990
	Insertion loss* (dB)	< 0.6
	Return loss* (dB)	> 20
Intermodulation	2 Tx@x43 dBm (dBc)	<-158
Alarm Functionality	Two levels, individually supervised LNAs	
Power Consumption	@12 VDC	1.2 W

* Typical

All specifications subject to change without notice. Please contact your Powerwave representative for complete performance data.

Mechanical Specifications

Size, W x H x D (without mounting plate)	235 x 366 x 66 mm (9.2 x 14.4 x 2.6 in)
Weight	6.4 kg (14.1 lbs)
Color	Off white (NCS 1502-R)
Housing	Aluminum
RF-connectors	DIN 7/16 female.
Mounting kit	Mounting kit for pole and wall is included
Temperature range	-40 °C to +65 °C (-40 °F to +149 °F)
MTBF	>1 million hours
Safety	UL 60 950
Ingress protection, IP 65	EN 60 529
Environmental	ETS 300 019
EMC	FCC Part 15



D031-08422 Rev. A Pg. 2 of 2

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COVERAGE AND CAPACITY

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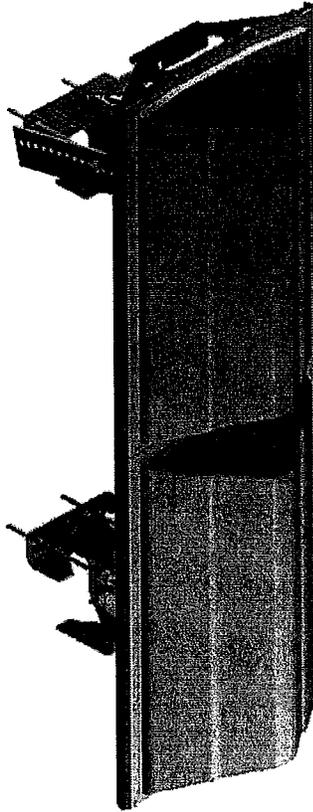
INTEGRATED SOLUTIONS

QUALITY AND RELIABILITY



Directing our energies for you.

Dual Band Antenna DUO1417-8686



86 & 86 Azimuth Beams
15 & 7 Elevation Beams
14.0 & 16.0 dBi Gain

- PCS & Cellular in One Package
- Independent Control of Electrical Beam Downtilt
- High Power Handling Capability
- Anti-Corrosion Design for Superb IM Performance
- Available With Optional Internal Dual Band Combiner



Directing our energies for you.

Dual Band Antenna DUO1417- 8686

Electrical Specifications

Cellular

PCS

Frequency Range	806-900 MHz	1850-1990 MHz
Gain	14.0 dBi	16..0 dBi
Electrical Downtilt Options	0, 2, 4 or 6 Degrees	0 or 4 Degrees
VSWR	1.35:1 Maximum	1.35:1 Maximum
VSWR (with -i option)	1.40:1 Maximum	1.40:1 Maximum
Front-to-Back at Horizon	> 25 dB	> 30 dB
Upper Side Lobe Suppression	< -17 dB	< -18 dB
Elevation Beam (3-dB Points)	15 Degrees	7 Degrees
Azimuth Beam (3-dB Points)	86 Degrees	86 Degrees
Polarization	Vertical	Vertical
Impedance	50 Ohms	50 Ohms
Power Input Rating	500 CW	200 CW
Intermodulation Specification	<-110dBm at 2x10W	<-110dBm at 2x10W

Mechanical Specifications

Input Connectors (female)	Two Back Mounted 7/16 DIN (Silver Finish)
Antenna Dimensions	48.4 x 14 x 9 Inches (10.7" deep with option 'i')
Antenna Weight	20.3 lbs
Antenna Weight (w/opt. 'i')	32.0 lbs
Bracket Weight	10.5 lbs
Lightning Protection	Direct Ground
RF Distribution	Cellular: Silver Plated Brass PCS: Printed Microstrip Substrate
Radome	Ultra High-Strength Luran
Weatherability	UV Stabilized, ASTM D1925
Radome Water Absorption	ASTM D570, 0.45%
Environmental	MIL-STD-810E
Wind Survival	150 mph
Front Wind Load at 100 mph	124 lbs
Front Flat Plate Equivalent	2.54 sq-ft. (c=2)
Mounting Brackets	Fits 2.5 to 3 Inch Schedule 40 Pipe
Mechanical Downtilt Range	0-12 Degrees in 1 Degree Increments
Clamps/Bolts	Hot Dip Galvanized Steel/Stainless Steel

Ordering Information

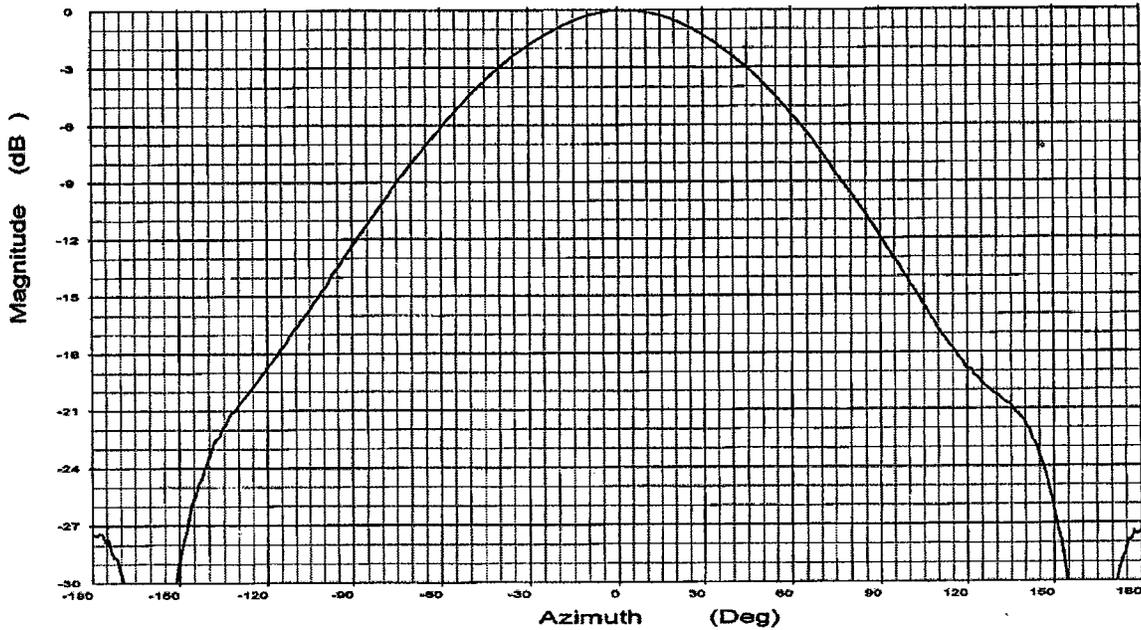
<u>Model</u>	<u>Options</u>
DUO1417- 8686-xy	x=Electrical Downtilt at 800 MHz in Degrees (0, 2, 4 or 6) y=Electrical Downtilt at 1900 MHz in Degrees (0 or 4)
DUO1417-8686-xyi	i=Dual Band Combiner included as an internal device



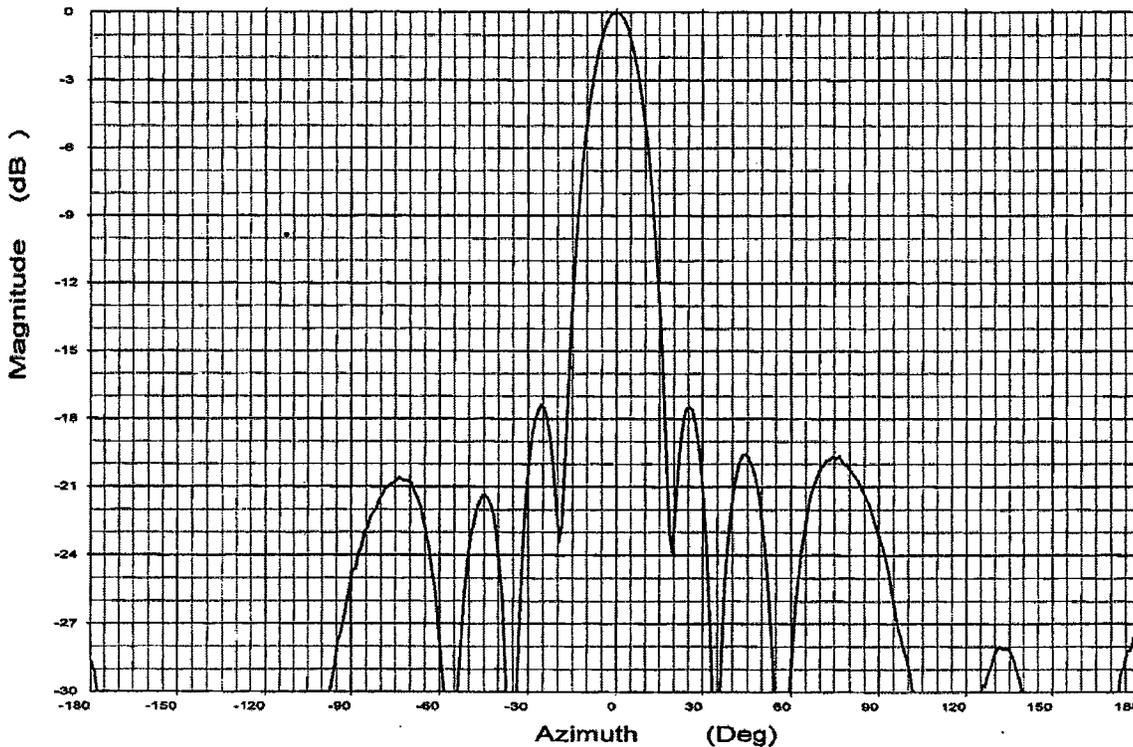
Directing our energies for you.

Dual Band Antenna DUO1417-8686 806-900 MHz

Horizontal Beam



Elevation Beam

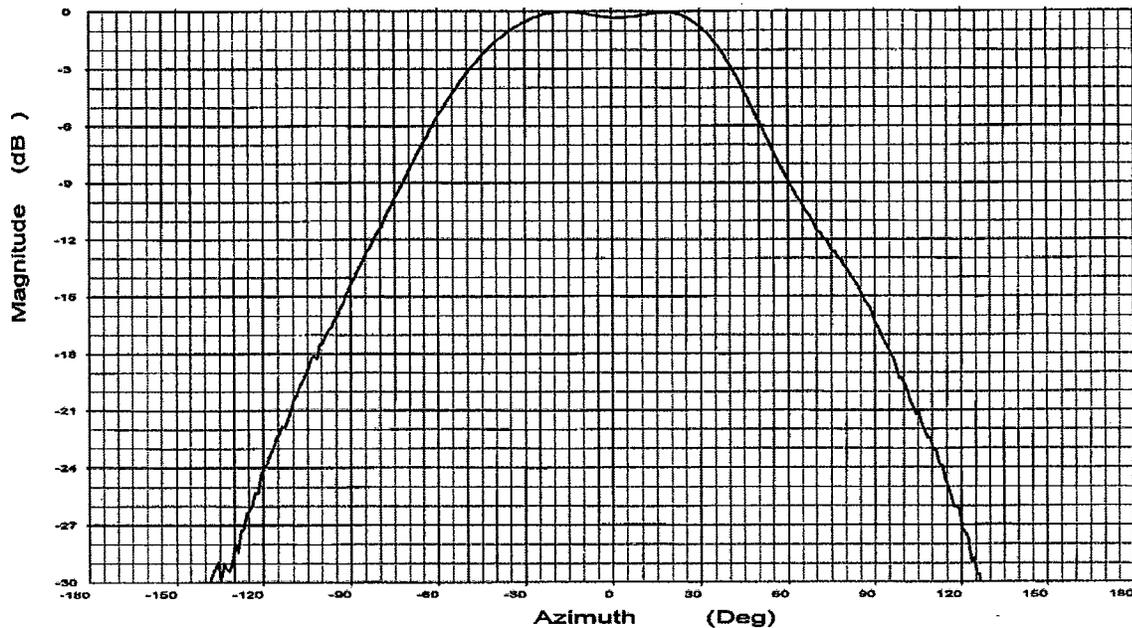




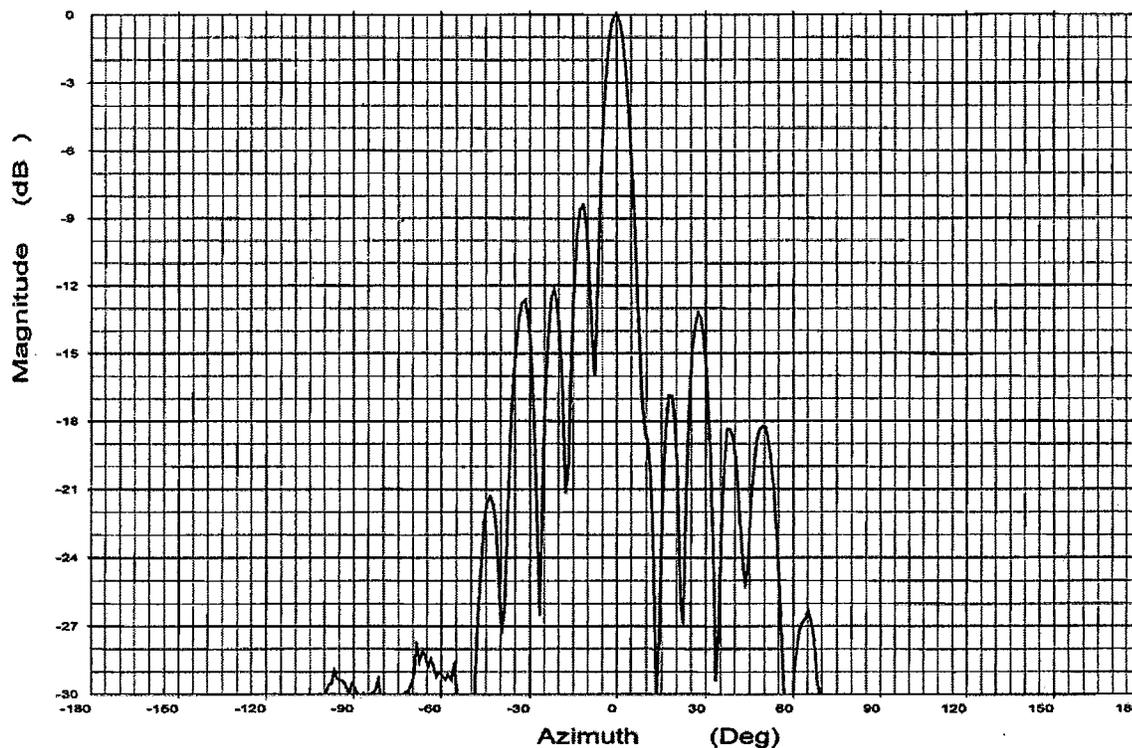
Directing our energies for you.

Dual Band Antenna DUO1417-8686 1850-1990 MHz

Horizontal Beam



Elevation Beam





May 19, 2006

Mr. Thomas Sun, AIA
CH2M Hill Communications Group
8619 W. Bryn Mawr, Suite 615
Chicago, IL 60631

*Re: Level 1 Structural Evaluation
Cingular Site #2209
125 Washington Ave.,
North Haven, CT 06473*

Natcomm Project No. 06500.Co13-2209

Dear Mr. Sun,

We have reviewed the proposed Cingular UMTS antenna upgrade at the above referenced site. The purpose of the review is to determine the adequacy of an existing 120' AGL (expandable to 180' AGL) monopole to support the proposed antennas. The review considered the effects of wind load, dead load, ice load and seismic forces in accordance with TIA/EIA-222-F and Connecticut State Building Code. Existing structural drawings prepared by Valmont Industries, Inc. (order #17943-98) dated January 15, 2003 were used as reference material.

The existing antenna configuration is as follows:

- Cingular: Nine (9) CSS DUO4-8670 panel antennas on a standard low profile platform at an elevation of 120' AGL.
- XM: Twelve (12) 4' panel antennas on a standard low profile platform at an elevation of 110' AGL.
- SCLP: One (1) 64" whip antenna mounted to a standard side arm standoff at an elevation of 105' AGL.

The proposed modified antenna loading is as follows:

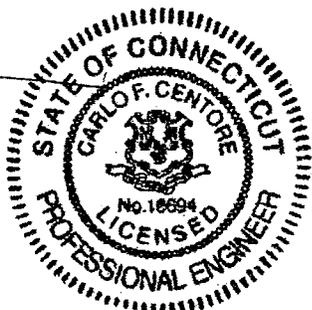
- Cingular: Six (6) Powerwave 7770.00 panel antennas w/ twelve (12) Powerwave LGP21401 TMA's on a standard low profile platform in lieu of the existing nine (9) panel antennas at elevation of 120' AGL.

Based on the information provided, and considering the reduced antenna loading, the existing structure meets all the requirements of the TIA/EIA-222-F Standard considering the basic wind speed (fastest mile) of 85 mph for New Haven County.

In conclusion, the existing 120 ft monopole is adequate to support the proposed Cingular UMTS antenna upgrade and related equipment. If there are any questions regarding this matter, please feel free to call.

Submitted by:

Carlo F. Centore, PE
Project Manager





CH2M HILL
2 Willow Street, Suite 102
Southborough, MA
01745
Tel 617.834.1643
Fax 518.229.0549

22 May 2006

Honorable Kevin J. Kopetz
First Selectman, Town of North Haven
18 Church Street
North Haven, CT 06473

**RE: Notice of Exempt Modification – Existing Cingular
Telecommunications Tower Facility at 125 Washington Avenue,
North Haven, Connecticut**

Dear Mr. Balestracci:

New Cingular Wireless PCS, LLC (“Cingular”) proposes to remove and replace telecommunications antennas and associated equipment located on an existing tower at the above-referenced location. The facility is now controlled and operated by Cingular whose corporate office is located at 500 Enterprise Drive, Rocky Hill, CT 06067.

Proposed Modifications

Cingular proposes to add one (1) new equipment cabinet inside an existing equipment shelter. In addition, Cingular will remove the existing antennas and replace them with a total of six (6) new antennas, located at an existing centerline height of approximately 121’ above ground level. Cingular will keep nine (9) 1 5/8” diameter existing coaxial cables and run three (3) new coaxial cables of the same dimension. Cingular will remove the existing tower mounted amplifiers and affix twelve (12) new units to the structure; these tower mounted amplifiers will be attached at the same height as the antennas.

In summary, the facility at 125 Washington Avenue will receive a new equipment cabinet, and the final antenna configuration will include:

- 6 antennas,
- 12 coaxial cables, and
- 12 tower mounted amplifiers.

A structural evaluation has demonstrated that the monopole tower will be structurally capable of supporting the proposed Cingular telecommunications equipment once the proposed modifications are complete.

Statutory Considerations

The proposed work will not affect the height of the existing structure, nor will it alter the existing property boundaries. Furthermore, the proposed work will not increase noise levels at the facility's site boundary by six (6) decibels or more. Operation of additional antennas will not increase the radio frequency electromagnetic radiation power density, measured at the monopole base, to or above the standard adopted by the State of Connecticut and the Federal Communications Commission.

A Notice of Exempt Modification has been filed with the Connecticut Siting Council (CSC) as required by the Regulations of Connecticut State Agencies (RCSA), Section 16-50j-73. Please accept this letter as notification to the Town of North Haven under Section 16-50j-73 that the proposed work constitutes an exempt modification pursuant to RCSA Section 16-50j-72(b)(2).

Should you have any questions or require additional information about the plans or the CSC's procedures, please do not hesitate to contact Elizabeth H. Lankenau (215.790.1050 ext. 138) or Mr. Derek Phelps, Executive Director, Connecticut Siting Council (860.827.2935).

Sincerely,

A handwritten signature in black ink, appearing to read 'Douglas J. Hulbert', with a long horizontal stroke extending to the right.

Douglas J. Hulbert
Project Manager



ORIGINAL

CH2M HILL
2 Willow Street, Suite 102
Southborough, MA
01745
Tel 617.834.1643
Fax 508.229.0549

RECEIVED
MAY 25 2006

CONNECTICUT
SITING COUNCIL

23 May 2006

Ms. Pam Katz, Chairman, and
Members of the Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: Notice of Exempt Modification – Existing AT&T Wireless Telecommunications Tower Facility at 430-434 Boston Post Road, Milford, Connecticut

Dear Chairman Katz and Members of the Council:

Kise Straw & Kolodner Inc., in association with CH2M HILL, submits this notice of intent to modify an existing telecommunications facility. New Cingular Wireless PCS, LLC ("Cingular") proposes to remove and replace telecommunications antennas and associated equipment (formerly owned by AT&T) located on an existing tower at the above-referenced location. Cingular operates under licenses issued by the Federal Communications Commission (FCC) to provide cellular and PCS mobile telephone service in New Haven County, which includes the area to be served by the proposed installation.

Please accept this letter as notification to the Council, pursuant to Regulations of Connecticut State Agencies (RCSA) Section 16-50j-73. This submission will demonstrate that the proposed changes fall within the limits of an exempt modification as described under the RCSA Section 16-50j-72(b)(2).

In accordance with RCSA Section 16-50j-73, the Mayor of the City of Milford will receive notification of this proposal.

This proposal for modification includes the following attachments:

- Project Location Map,
- Existing Site Plan,
- Proposed Equipment Plan,
- Tower Elevation,
- Equipment Specifications, and
- Structural Evaluation.

Existing Facility

The Milford CT lattice tower facility is located at 430-434 Boston Post Road, which lies approximately 900' southwest of High Street. Tower coordinates are Lat. 41° 13' 43" and Long. 73° 04' 14". Please refer to the attached *Project Location Map*.

The facility is controlled and operated by Cingular whose corporate office is located at 500 Enterprise Drive, Rocky Hill, CT 06067. The compound, which is approximately 45' x 58', is enclosed by a fence. The site hosts a 150' lattice tower. An existing equipment shelter, which lies to the south of the tower, is 18'8" x 10'1". Please refer to the attached *Existing Site Plan*.

Proposed Modifications

As shown on the attached existing site plan, proposed equipment plan, and tower elevation, Cingular proposes to remove the twelve (12) existing (Powerwave #7184) antennas and replace them with six (6) Powerwave #7770 antennas, located at an existing centerline height of approximately 140' above ground level. The existing twelve (12) 1 5/8" diameter cables will remain, and the existing tower mounted amplifiers will be replaced with twelve (12) new units (LGP 214nn). The tower mounted amplifiers will be located at the same height as the antennas. A new equipment cabinet (Ericsson RBS 3106) will be located inside the existing equipment shelter. Please refer to the attached *Proposed Equipment Plan, Tower Elevation, and Equipment Specifications*.

In summary, the facility at 430-434 Boston Post Road will receive a new equipment cabinet and the final antenna configuration will include:

- 6 antennas,
- 12 coaxial cables, and
- 12 tower mounted amplifiers.

The *Structural Evaluation*, which is attached to this Notice, demonstrates that the lattice tower will be structurally capable of supporting the proposed Cingular telecommunications equipment once the proposed modifications are complete.

Statutory Considerations

The planned changes to the Milford CT facility fall within those activities explicitly provided for in RCSA Section 16-50j-72(b)(2). As such, the proposed work does not result in any substantial adverse environmental effect.

1. The proposed work does not affect the height of the structure.
2. The proposed changes do not affect the existing property boundaries. All proposed work will occur on the property controlled by Cingular (formerly AT&T Wireless).
3. The proposed work will not increase noise levels at the tower site boundary by six (6) decibels or more.
4. Addition of the UMTS broadcasts will not increase the exposure to radio frequency electromagnetic energy, measured at the base of the tower, to or above the standard adopted by

the state of Connecticut and the FCC. The table below summarizes the cumulative results for a point of interest at the tower's base of the "worst-case" exposure calculations resulting from all carriers co-located on this tower. The calculations are in accordance with FCC Office of Engineering and Technology Bulletin No. 65 (1997), and for simplicity, an assumption is made that the antennas are all pointed down, thus focusing their energy at the tower's base.

Site # 5099								
Carrier	Antenna Height (ft)	Freq. (MHz) For Limit	# of Channels	W ERP/Channel (ref 1/2-w dipole)	W EIRP/Sector	Power Density ($\mu\text{W}/\text{cm}^2$)	FCC Limit ($\mu\text{W}/\text{cm}^2$)	Percent of Limit (%)
Cingular UMTS	140	1935.0	1	500.0	820.0	9.2	1000	0.92%
Police	125	453.9	3	13.0	64.0	0.9	303	0.30%
AT&T	140	1900.0	4	275.0	1804.0	20.2	1000	2.02%
T-Mobile	110	1900.0	8	238.8	3133.0	56.8	1000	5.68%
TOTAL								8.91%

As the table demonstrates, the cumulative worst-case exposure would be approximately 8.91% of the ANSI/IEEE standard, as calculated for mixed frequency sites. Total power density levels resulting from Cingular's use of the tower facility would be within applicable standards.

For the foregoing reasons, Cingular respectfully submits that proposed changes at the Milford CT site constitute an exempt modification under RCSA Section 16-50j-72(b)(2).

Please do not hesitate to call Elizabeth H. Lankenau at 215.790.1050 ext. 138 with questions concerning this notice. Thank you for your consideration of this matter.

Sincerely,



Douglas J. Hulbert
Project Manager

Attachments

cc: Mayor James L. Richetelli, City of Milford

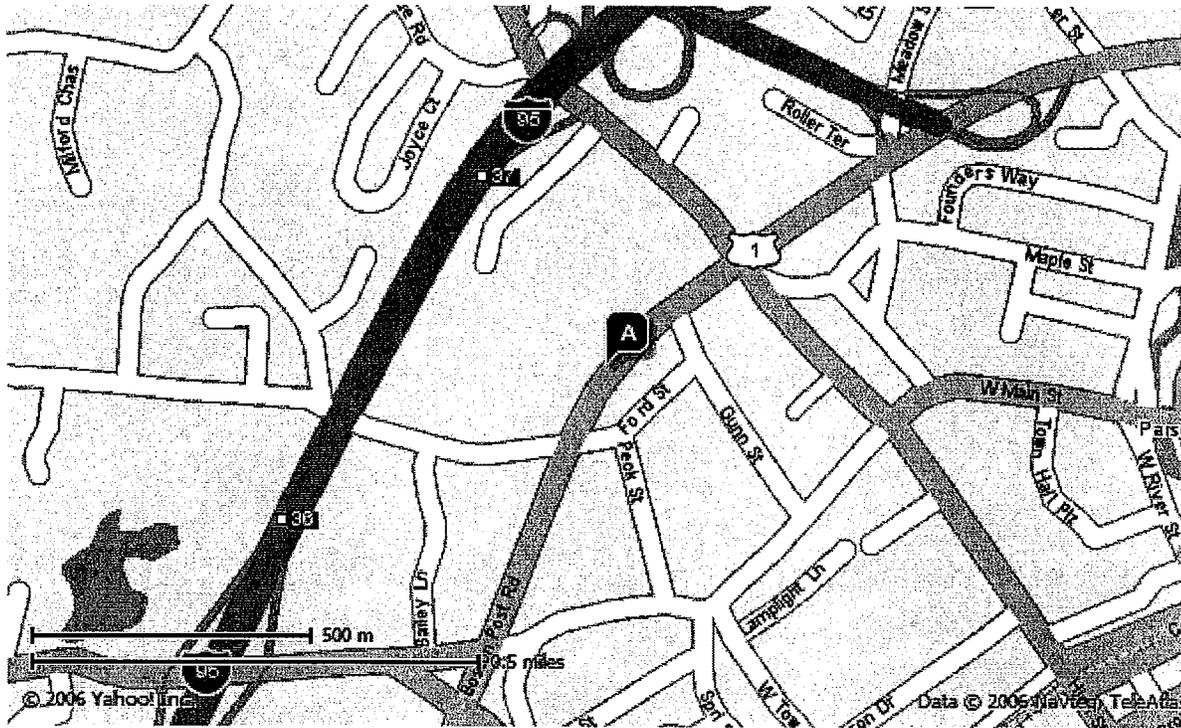
Attachments

430-434 Boston Post Road, Milford, CT

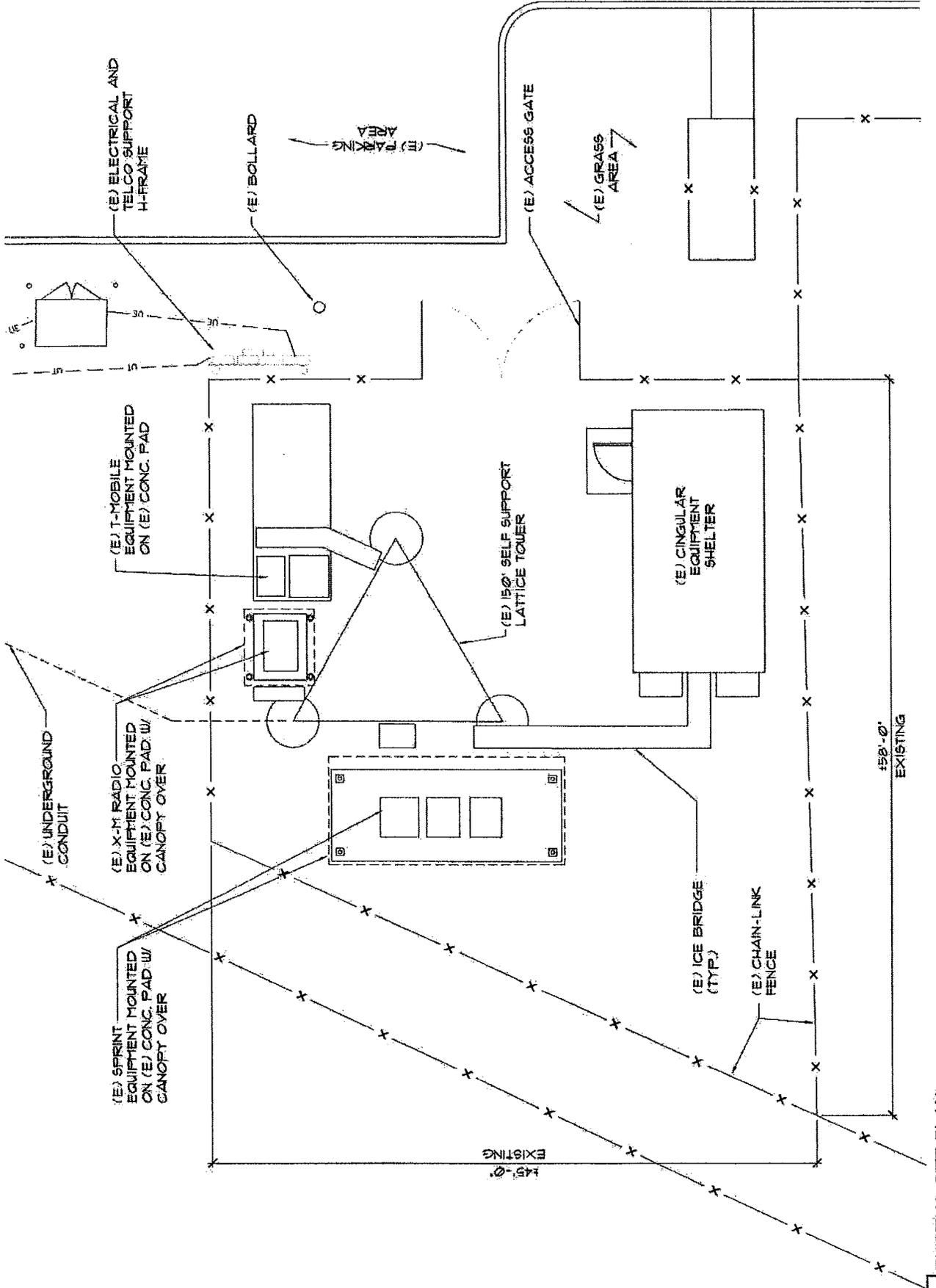
- Project Location Map
- Existing Site Plan
- Proposed Equipment Plan
- Tower Elevation
- New Equipment Specifications
- Existing Antenna Specification
- Structural Evaluation



A Gables at Guilford Incorporated(203) 458-3337
430 Boston Post Road. Milford. CT. USA



When using any driving directions or map, it's a good idea to do a reality check and make sure the road still exists, watch out for construction, and follow all traffic safety precautions. This is only to be used as an aid in planning.

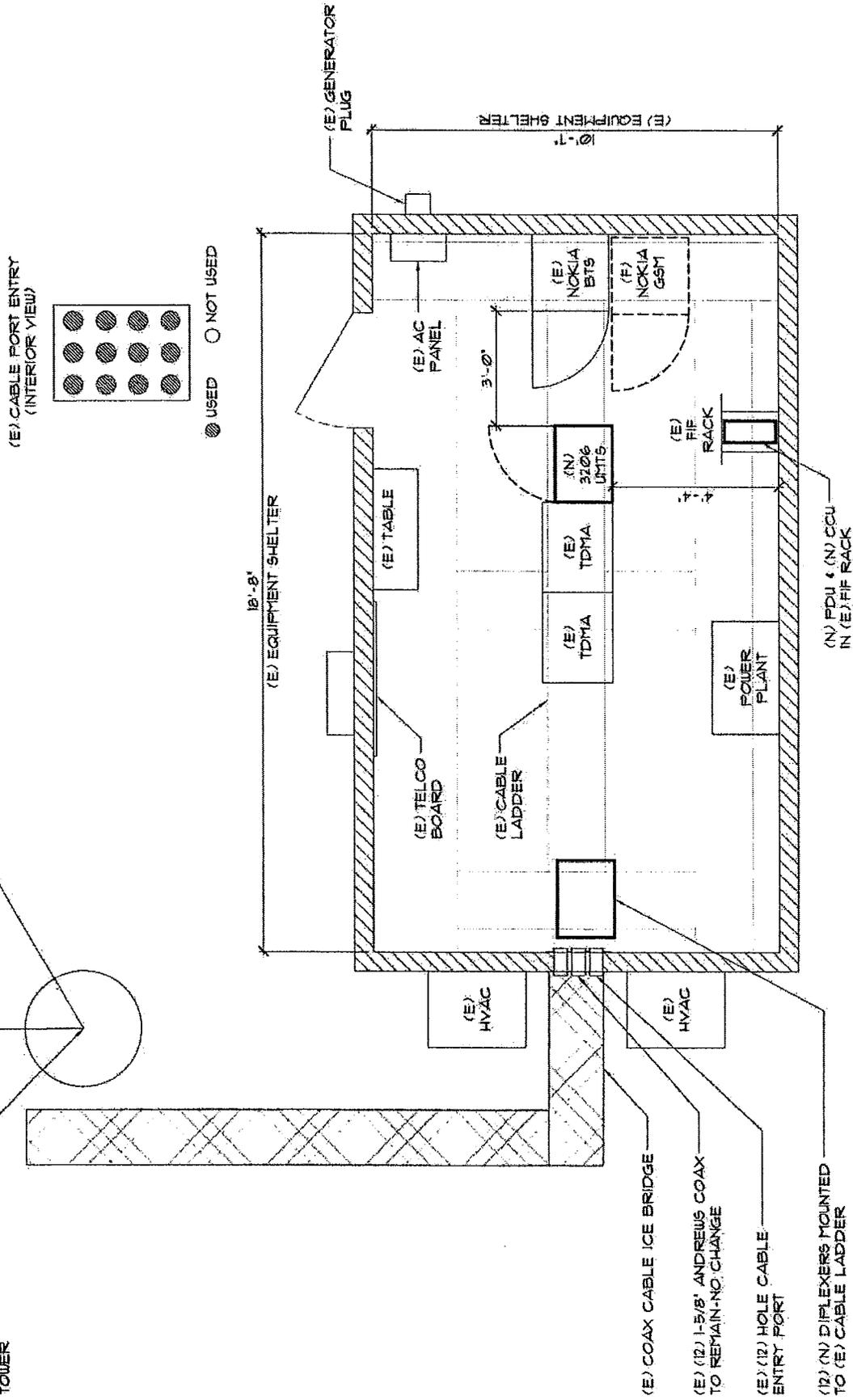


NORTH

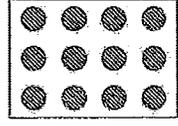
1 EXISTING SITE PLAN
3/02' = 1'-0"

						CINGULAR WIRELESS	
				8619 WEST BRYN MAWR CHICAGO, ILLINOIS 60631		SITE # : 5099 SITE NAME : MILFORD CT 430-434 BOSTON POST RD., MILFORD, CT 06450	
(E) SPRINT EQUIPMENT MOUNTED ON (E) CONC. PAD W/ CANOPY OVER		(E) X-M RADIO EQUIPMENT MOUNTED ON (E) CONC. PAD W/ CANOPY OVER		(E) UNDERGROUND CONDUIT		(E) T-MOBILE EQUIPMENT MOUNTED ON (E) CONC. PAD	
(E) ICE BRIDGE (TYP.)		(E) CHAIN-LINK FENCE		(E) SELF SUPPORT LATTICE TOWER		(E) CINGULAR EQUIPMENT SHELTER	
(E) ACCESS GATE		(E) GRASS AREA		(E) BOLLARD		(E) ELECTRICAL AND TELCO SUPPORT H-FRAME	
NO. DATE		REVISION DESCRIPTION		BY (CHK/APPD)		DRAWN BY: FH	
1 09-22-08		ISSUED FOR CSC REVIEW		FH JZ JZ		5099	
SCALE: 3/32" = 1'-0"		CHECKED BY: JZ		DRAWING NUMBER		REV.	
0		0		0		0	

(E) 150' H. LATTICE TOWER



(E) CABLE PORT ENTRY (INTERIOR VIEW)



1 PROPOSED EQUIPMENT PLAN
1/4" = 1'-0"

		ERICSSON 8818 WEST BRYAN MAWR CHICAGO, ILLINOIS 60681		CH2M HILL 8818 WEST BRYAN MAWR CHICAGO, ILLINOIS 60681	
CINGULAR WIRELESS		SINGULAR WIRELESS		SITE # 5099 SITE NAME MILFORD CT 431-631 BOSTON POST RD. MILFORD, CT. 06460	
NO. DATE 2 05-22-06 1 04-05-06		ISSUED FOR CSC REVIEW SCOPING REVIEW		AC JZ JZ BT CLK/PTD	
REVISION DESCRIPTION REVISION DESCRIPTION		CHECKED BY: JZ		DRAWN BY: AC	
SCALE: 1/4" = 1'-0"		DRAWING NUMBER 5099		REV 0	

3 Dimensions

This section describes the physical characteristics of the RBS: dimensions, weight, and color.

Table 1 The RBS Dimensions

Unit	Dimensions (mm)
Height	1626
Width	1300
Depth	710
Depth including door	926

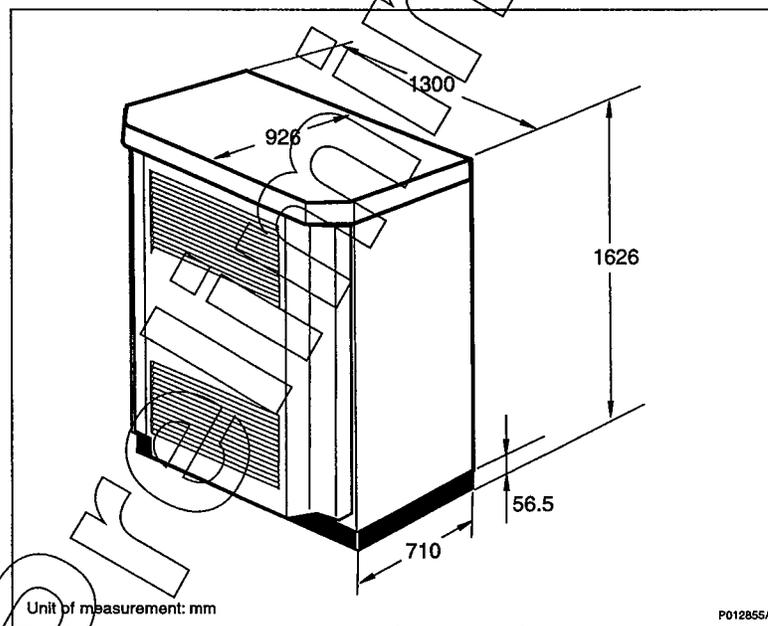


Figure 2 RBS 3106 Dimensions

The RBS weight is shown in the table below.

Table 2 The RBS Weight

Unit	Weight (kg)
RBS fully equipped excluding batteries	560
RBS fully equipped including batteries	850
RBS fully equipped including batteries and future expansion of hardware (not yet available)	875
Installation frame	12

The RBS color is shown in the table below

Table 3 The RBS Color

Color	Color Standard
Grey	RAL 7035
Green	NCS 8010-G 10 Y

Preliminary

Dual Broadband Antenna

90° 1.4 m MET Antenna

806-960/1710-2170 MHz

Part Number:
7770.00

Horizontal Beamwidth: 90°
Gain: 13.5/16 dBi

Electrical Downtilt: Adjustable
Connector Type: 7/16 female

The Powerwave dual band dual polarized broadband antenna has individual adjustable electrical downtilt per band (upgradeable to Remote Electrical Tilt (RET)). Four connector ports allow separate tilts on each frequency band and ensure the use of diversity concepts. The phase shifter technology, based on a patented sliding dielectric, minimizes intermodulation distortion and maximizes efficiency. The slant +/- 45° dual polarization system provides the independent fading signals needed for achieving top-quality coverage via diversity concepts. The Powerwave Broadband antenna design is based on a patented stacked aperture-coupled patch technology, which provides high isolation performance and a wide VSWR bandwidth. The antennas have superior radiation patterns due to a unique reflector design which provides a very small variation of the -3dB horizontal beam width over the frequency band as well as a high front-to-back ratio.



Key Benefits

- Excellent broad- and multi-band capabilities
- Polarization purity makes good diversity gain
- Excellent pattern performance and high gain over frequency
- High passive intermodulation performance
- Light, slim and robust design

Preliminary

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THE POWER IN WIRELESS®

 **Powerwave**
technologies

806-960/1710-2170 MHz

Dual Broadband Antenna

Electrical Specifications (Preliminary)

Frequency band (MHz)	806-960	1710-2170
Gain, ± 0.5 dB (dBi)	13.5	16.0
Polarization	Dual linear $\pm 45^\circ$	
Nominal Impedance (Ohm)	50	
VSWR	1.5:1	
VSWR		1.5:1
Isolation between inputs (dB)	30	
Isolation between inputs (dB)		30
Inter band isolation (dB)	40	
Horizontal -3 dB beamwidth	$85 \pm 5^\circ$	$85 \pm 5^\circ$
Tracking, Horizontal plane, $\pm 60^\circ$ (dB)	< 2.0	
Tracking, Horizontal plane, $\pm 60^\circ$ (dB)	< 2.0	
Electrical downtilt range (adjustable)	0° to 10°	0° to 8°
Vertical -3 dB beamwidth	$14.3 \pm 2.0^\circ$	$6.6 \pm 1^\circ$
Sidelobe suppression, Vertical 1st upper (dB)	$> 17, 16, 15$ $x=0, 5, 10^\circ$ MET	$> 17, 16, 15$ $x=0, 4, 8^\circ$ MET
Vertical beam squint	$< 0.8^\circ$	$< 0.5^\circ$
First null-fill (dB)	< -25	< -25
Front-to-back ratio (dB)	> 25	> 27
Front-to-back ratio, total power (dB)	> 20	> 23
IM3, 2Tx@43dBm (dBc)	< -153	
IM3, 2Tx@43dBm (dBc)		< -153
IM7, 2Tx@43dBm (dBc)		< -160
Power Handling, Average per input (W)	400	250
Power Handling, Average total (W)	800	500

All specifications are subject to change without notice.
Contact your Powerwave representative for complete performance data.

Mechanical Specifications

Connector Type	4 x 7/16 DIN female
Connector Position	Bottom
Dimensions, HxWxD	1408mm x 280mm x 125mm (55"x11"x5")
Weight Including Brackets	15.8 kg (35 lbs)
Wind Load, Frontal, 42m/s Cd=1	435N (98 lbf)
Survival Wind Speed (m/s)	70 (156mph)
Lightning Protection	DC grounded
Radome Material	GRP
Radome Color	Light Gray
Mounting	Pre-mounted Standard Brackets
Packing Size	1550mm x 355mm x 255mm (61"x14"x10")

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Tower Mounted Amplifier

Dual Band 1900 MHz with 850 MHz Bypass

1900/850 MHz

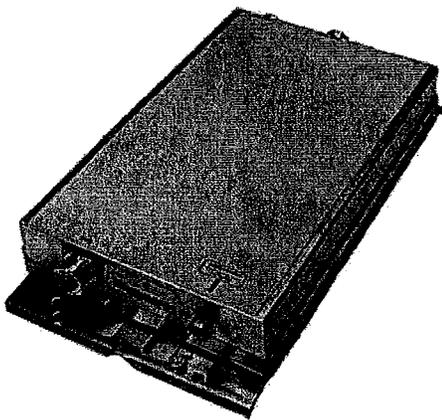
Part Number:
LGP 214nn

Up-link: 1850-1910 MHz
Down-link: 1930-1990 MHz
Bypass: 824-894 MHz

Gain: 12 dB
Noise Figure: < 1.7 dB

The Powerwave® TMA-DD 1900/850 is a dual band Tower Mounted Amplifier (TMA) to be installed near the antenna. Deployed in an AMPS, GSM, GPRS, EDGE and CDMA network it will increase capacity and coverage as well as extend the battery life time for the handsets. The TMA System will provide enhanced coverage and improved up-link signal quality. Appropriate for new rollouts by optimizing coverage with a reduced number of BTSs or as an upgrade to existing BTSs for enhancing the existing coverage.

Extended band TMA facilitates simplified logistics, especially when the frequency bands are scattered. The unit comprises of high Q band-pass filters, dual balanced low noise amplifiers with circuits for active bias, supervision, alarms and lightning protection circuit. The Powerwave patented design with all active components integrated within the filter body provides an extremely reliable, compact and lightweight TMA solution. The vented enclosure design is employed to prevent the effect of condensation, thereby guaranteeing long, reliable, maintenance-free service in all environmental conditions. These TMAs offer an easy to install, maintenance free, cost effective solution for coverage enhancement and increased quality in mobile communication networks.



Key Benefits:

- 850 MHz Bypass
- Improved Network Quality
- Increased Coverage
- State of the Art Performance
- Excellent Power Handling
- Low Tx Loss
- Exceptional Reliability

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Tower Mounted Amplifier

Technical Specifications

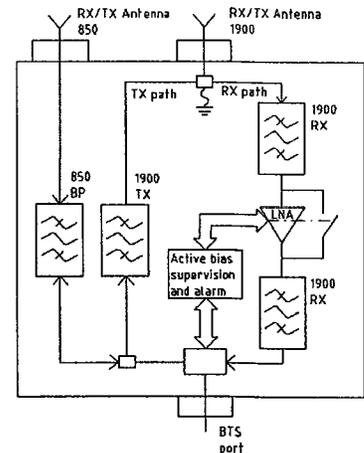
Product Number	LGP214nn	
850 MHz	Bypass (MHz)	824-894
	Return loss* (dB)	> 20
	Insertion loss* (dB)	< 0.3
1900 MHz		
Up-link	Frequency range, full band (60 MHz)	1850-1910
	Nominal gain (dB)	12
	Return loss* (dB)	> 20
	Noise figure* (dB)	< 1.7
	Output 3rd order Intercept Point* (dBm)	> +23
Down-link	Frequency range, full band (60 MHz)	1930-1990
	Insertion loss* (dB)	< 0.6
	Return loss* (dB)	> 20
Intermodulation	2 Tx@x43 dBm (dBc)	<-158
Alarm Functionality	Two levels, individually supervised LNAs	
Power Consumption	@12 VDC	1.2 W

* Typical

All specifications subject to change without notice. Please contact your Powerwave representative for complete performance data.

Mechanical Specifications

Size, W x H x D (without mounting plate)	235 x 366 x 66 mm (9.2 x 14.4 x 2.6 in)
Weight	6.4 kg (14.1 lbs)
Color	Off white (NCS 1502-R)
Housing	Aluminum
RF-connectors	DIN 7/16 female.
Mounting kit	Mounting kit for pole and wall is included
Temperature range	-40 °C to +65 °C (-40 °F to +149 °F)
MTBF	>1 million hours
Safety	UL 60 950
Ingress protection, IP 65	EN 60 529
Environmental	ETS 300 019
EMC	FCC Part 15



D031-08422 Rev. A Pg. 2 of 2

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Single Band Metro Antenna

90° 1.3 m vertical polarized FET Antenna

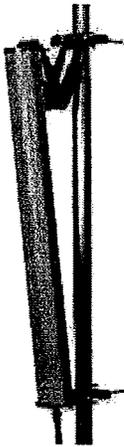
1850-1990 MHz

Part Number:
7184.42

Horizontal Beamwidth: 90°
Gain: 16.5 dBi / 14.4 dBd

Electrical Downtilt: 2°
Connector Type: 7/16 DIN female

The Powerwave single band Metro antenna has a slim design and sophisticated electrical performance, typical of Powerwave antennas. This ensures maximum efficiency as well as stable pattern over the entire frequency range. The design relies on a micro strip PCB network. Special attention has been paid to ensure antenna pattern peak performance, making the Metro an excellent choice for optimal cell planning.



Key Benefits

- High gain performance
- Light and slim design
- Robust and reliable
- Pre-mounted brackets
- Guaranteed passive intermodulation performance

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technologies

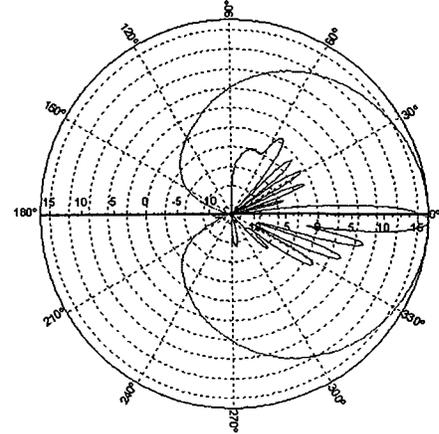
1850-1990 MHz

Single Band Metro Antenna

Electrical Specifications

Frequency Band (MHz)	1850 – 1990
Gain (dBi / dBd)	16.5 / 14.4
Polarization	Linear vertical
Nominal Impedance (Ohm)	50
VSWR (1850-1990 MHz)	< 1.3:1
Horizontal -3 dB beamwidth	90°
Electrical downtilt	2°
Vertical -3 dB beamwidth	6.5°
First upper sidelobe suppression (dB)	> 18
Front-to-back ratio, co-polar (dB)	> 27
Power Handling, Average total (W)	400
IM3, @2x43dBm (dBc)	<-146

All specifications are subject to change without notice.
Contact your Powerwave representative for complete performance data.



Typical Horizontal and Vertical 7184.42 Patterns

Mechanical Specifications

Connector Type	7/16 DIN female
Connector Position	Bottom
Dimensions, HxWxD	1300x126x80mm (4' 3"x5"x3")
Weight Including Bracket	8.7 kg (19 lbs)
Wind Load, Frontal, 42 m/s, Cd=1	181N (41 lbf)
Survival Wind Speed	70m/s (156 mph)
Lightning Protection	DC grounded
Radome Material	PVC
Radome Color	Light gray
Packing Size	1410x190x140mm (4' 7"x7"x6")
Shipping Weight	9.7 kg (21.1lbs)

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May 19, 2006

Mr. Thomas Sun, AIA
CH2M Hill Communications Group
8619 W. Bryn Mawr, Suite 615
Chicago, IL 60631

Re: *Level 1 Structural Evaluation*
Cingular Site #0099/5099
434 Boston Post Rd.,
Milford, CT 06460

Natcomm Project No. 06500.Co03-5099

Dear Mr. Sun,

We have reviewed the proposed Cingular UMTS antenna upgrade at the above referenced site. The purpose of the review is to determine the adequacy of an existing 150 ft. lattice tower to support the proposed antennas. The review considered the effects of wind load, dead load, ice load and seismic forces in accordance with TIA/EIA-222-F and Connecticut State Building Code. Existing structural design drawings prepared by Pirod, Inc. (file #A-116719-Q91351) dated February 17, 2000 were used as reference material.

The existing antenna configuration is as follows:

- Town PD: Three (3) PR-950 Scala paraflectors on a standard low profile mount at an elevation of 151' AGL.
- Cingular: Twelve (12) AT&T panel antennas at elevation of 141' AGL.
- Town PD: Two (2) whip antennas mounted to standard side arm standoffs at an elevation of 127' AGL.
- Town PD: One (1) whip and one (1) panel antenna mounted to standard side arm mounts at an elevation of 117' AGL.
- T-Mobile: Six (6) EMS DR65-19XXDPQ panel antennas mounted on standard boom gate mounts at an elevation of 112' AGL.
- Sprint: Three (3) DB980H65 antennas mounted on standard boom gate mounts at an elevation of 99' AGL.
- Town PD: One (1) panel antenna mounted to a standard side arm standoff at an elevation of 85' AGL.
- Sprint: One (1) GPS antenna mounted to a standard side arm standoff at an elevation of 50' AGL.
- Town PD: One (1) dish antenna mounted to a standard side arm standoff at an elevation of 23' AGL.

The proposed modified antenna loading is as follows:

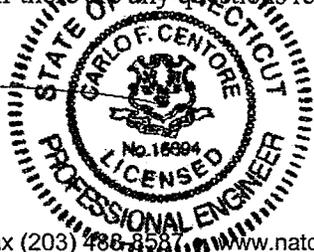
- Cingular: Six (6) Powerwave 7770.00 panel antennas w/ twelve (12) Powerwave LGP21401 TMA's on standard boom gate mounts in lieu of the existing twelve (12) AT&T panel antennas at elevation of 141' AGL.

Based on the information provided, and considering the reduced antenna loading, the existing structure meets all the requirements of the TIA/EIA-222-F Standard considering the basic wind speed (fastest mile) of 85 mph for New Haven County.

In conclusion, the existing 142 ft monopole is adequate to support the proposed Cingular UMTS antenna upgrade and related equipment. If there are any questions regarding this matter, please feel free to call.

Submitted by:

Carlo F. Centore, PE
Project Manager





CH2M HILL
2 Willow Street, Suite 102
Southborough, MA
01745
Tel 617.834.1643
Fax 518.229.0549

22 May 2006

Honorable James L. Richetelli
City of Milford
110 River Street
Milford, CT 06460

RE: Notice of Exempt Modification – Existing AT&T Wireless Telecommunications Tower Facility at 430-434 Boston Post Road, Milford, Connecticut

Dear Mr. Richetelli:

New Cingular Wireless PCS, LLC ("Cingular") proposes to remove and replace telecommunications antennas and associated equipment (formerly owned by AT&T) located on an existing tower at the above-referenced location. The facility is now controlled and operated by Cingular whose corporate office is located at 500 Enterprise Drive, Rocky Hill, CT 06067.

Proposed Modifications

Cingular proposes to remove the twelve (12) existing antennas and replace them with six (6) antennas, located at an existing centerline height of approximately 140' above ground level. The existing twelve (12) 1" – 1 5/8" diameter coaxial cables will remain, and the existing tower mounted amplifiers will be replaced with twelve (12) new units. A new equipment cabinet will be located inside the existing equipment shelter.

In summary, the facility at 430-434 Boston Post Road will receive a new equipment cabinet and the final antenna configuration will include:

- 6 antennas,
- 12 coaxial cables, and
- 12 tower mounted amplifiers.

A structural evaluation has demonstrated that the lattice tower will be structurally capable of supporting the proposed Cingular telecommunications equipment once the proposed modifications are complete.

Statutory Considerations

The proposed work will not affect the height of the existing structure, nor will it alter the existing property boundaries. Furthermore, the proposed work will not increase noise levels at the facility's site boundary by six (6) decibels or more. Operation of additional antennas will not increase the radio frequency electromagnetic radiation power density, measured at the tower base, to or above the standard adopted by the State of Connecticut and the Federal Communications Commission.

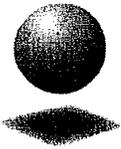
A Notice of Exempt Modification has been filed with the Connecticut Siting Council (CSC) as required by the Regulations of Connecticut State Agencies (RCSA), Section 16-50j-73. Please accept this letter as notification to the City of Milford under Section 16-50j-73 that the proposed work constitutes an exempt modification pursuant to RCSA Section 16-50j-72(b)(2).

Should you have any questions or require additional information about the plans or the CSC's procedures, please do not hesitate to contact Elizabeth H. Lanckenau (215.790.1050 ext. 138) or Mr. Derek Phelps, Executive Director, Connecticut Siting Council (860.827.2935).

Sincerely,

A handwritten signature in black ink, appearing to read "Douglas J. Hulbert", with a long horizontal line extending to the right.

Douglas J. Hulbert
Project Manager



CH2MHILL

ORIGINAL

CH2M HILL
2 Willow Street, Suite 102
Southborough, MA
01745
Tel 617.834.1643
Fax 508.229.0549

RECEIVED
MAY 25 2006

22 May 2006

Ms. Pam Katz, Chairman, and
Members of the Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

**CONNECTICUT
SITING COUNCIL**

RE: Notice of Exempt Modification – Existing AT&T Wireless Telecommunications Tower Facility at 201 Granite Road, Guilford, Connecticut

Dear Chairman Katz and Members of the Council:

Kise Straw & Kolodner Inc., in association with CH2M HILL, submits this notice of intent to modify an existing telecommunications facility. New Cingular Wireless PCS, LLC (“Cingular”) proposes to remove and replace telecommunications antennas and associated equipment (formerly owned by AT&T) located on an existing tower at the above-referenced location. Cingular operates under licenses issued by the Federal Communications Commission (FCC) to provide cellular and PCS mobile telephone service in New Haven County, which includes the area to be served by the proposed installation.

Please accept this letter as notification to the Council, pursuant to Regulations of Connecticut State Agencies (RCSA) Section 16-50j-73. This submission will demonstrate that the proposed changes fall within the limits of an exempt modification as described under the RCSA Section 16-50j-72(b)(2).

In accordance with RCSA Section 16-50j-73, the First Selectman of the Town of Guilford will receive notification of this proposal.

This proposal for modification includes the following attachments:

- Project Location Map,
- Existing Site Plan,
- Proposed Equipment Plan,
- Tower Elevation,
- Equipment Specifications, and
- Structural Evaluation.

Existing Facility

The Guilford South West facility is located at 201 Granite Road, which lies approximately 450' north of Interstate Highway 95 (aka Governor John Davis Lodge Turnpike). Monopole coordinates are N 41°17'31.12" and W 72° 43' 58.3". Please refer to the attached *Project Location Map*.

The facility is controlled and operated by Cingular whose corporate office is located at 500 Enterprise Drive, Rocky Hill, CT 06067. The site hosts a 100' monopole tower on an 18'6" x 8' pad. The perimeter of the compound, which is 40' x 41'6", is surrounded by an 8' tall chain link fence. Please refer to the attached *Existing Site Plan*.

Proposed Modifications

As shown on the attached site plan, equipment plan, and tower elevation, Cingular proposes to add one (1) new equipment cabinet (Ericsson RBS 3106) on an existing pad within the existing confines of the compound. In addition, Cingular will remove three (3) existing antennas (Allgon 7250) and replace them with a total of six (6) Powerwave #7770 antennas, located at an existing centerline height of approximately 100' above ground level. Cingular will keep six (6) 1 ¼" diameter coaxial cables run six (6) new cables of the same dimension. Cingular will also remove the existing tower mounted amplifiers and affix twelve (12) new tower mounted amplifiers (LGP 214nn) to the structure at the same height as the antennas. Please refer to the attached *Proposed Equipment Plan, Tower Elevation, and Equipment Specifications*.

In summary, the facility at 201 Granite Road will receive a new equipment cabinet and the final antenna configuration will include:

- 6 antennas,
- 12 coaxial cables, and
- 12 tower mounted amplifiers.

The *Structural Evaluation*, which is attached to this Notice, demonstrates that the monopole will be structurally capable of supporting the proposed Cingular telecommunications equipment once the proposed modifications are complete.

Statutory Considerations

The planned changes to the Guilford South West facility fall within those activities explicitly provided for in RCSA Section 16-50j-72(b)(2). As such, the proposed work does not result in any substantial adverse environmental effect.

1. The proposed work does not affect the height of the structure.
2. The proposed changes do not affect the existing property boundaries. All proposed work will occur on the property controlled by Cingular (formerly AT&T Wireless).
3. The proposed work will not increase noise levels at the monopole site boundary by six (6) decibels or more.

4. Addition of the UMTS broadcasts will not increase the exposure to radio frequency electromagnetic energy, measured at the base of the tower, to or above the standard adopted by the state of Connecticut and the FCC. The table below summarizes the cumulative results for a point of interest at the tower's base of the "worst-case" exposure calculations resulting from all carriers co-located on this tower. The calculations are in accordance with FCC Office of Engineering and Technology Bulletin No. 65 (1997), and for simplicity, an assumption is made that the antennas are all pointed down, thus focusing their energy at the tower's base.

Site # 5200								
Carrier	Antenna Height (ft)	Freq. (MHz) For Limit	# of Channels	W ERP/Channel (ref 1/2-w dipole)	W EIRP/Sector	Power Density ($\mu\text{W}/\text{cm}^2$)	FCC Limit ($\mu\text{W}/\text{cm}^2$)	Percent of Limit (%)
Cingular UMTS	160	1935.0	1	500.0	820.0	7.0	1000	0.70%
AT&T	160	1900.0	12	250.0	4920.0	42.1	1000	4.21%
TOTAL								4.92%

As the table demonstrates, the cumulative worst-case exposure would be approximately 4.92% of the ANSI/IEEE standard, as calculated for mixed frequency sites. Total power density levels resulting from Cingular's use of the monopole facility would be within applicable standards.

For the foregoing reasons, Cingular respectfully submits that proposed changes at the Guilford South West site constitute an exempt modification under RCSA Section 16-50j-72(b)(2).

Please do not hesitate to call Elizabeth H. Lankenau at 215.790.1050 ext. 138 with questions concerning this notice. Thank you for your consideration of this matter.

Sincerely,



Douglas J. Hulbert
Project Manager

Attachments

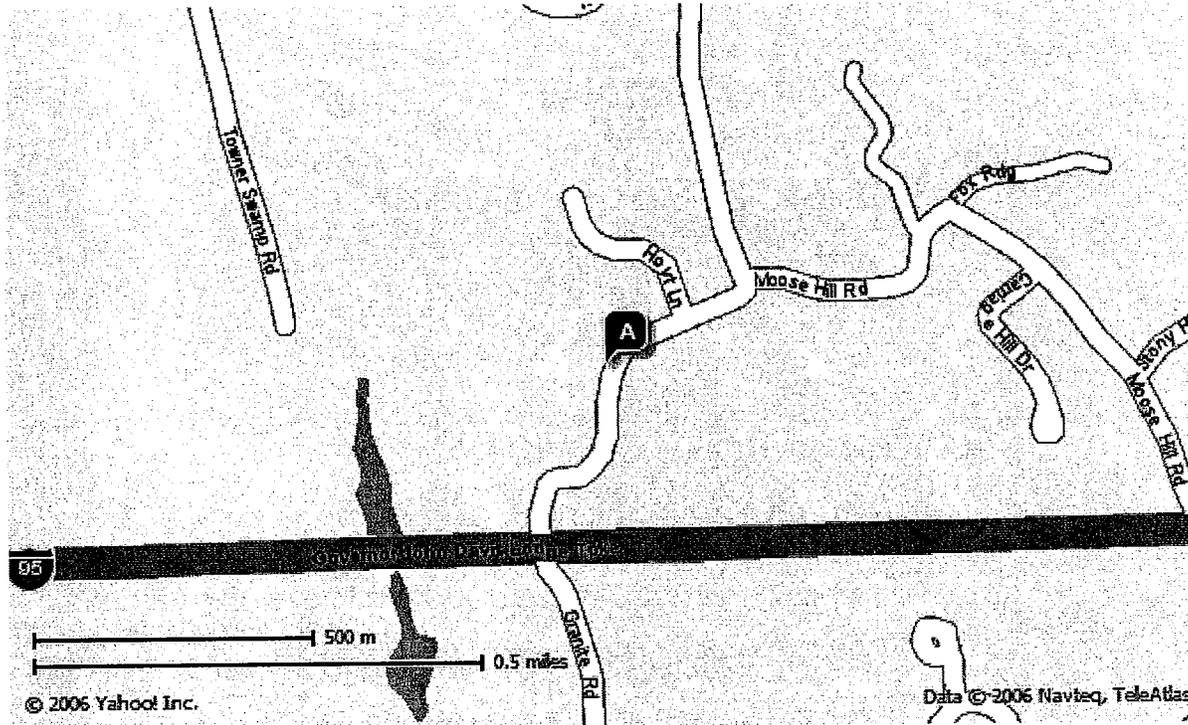
cc: Honorable Carl Balestracci, Jr., First Selectman, Town of Guilford

Attachments

201 Granite Road, Guilford, CT

- Project Location Map
- Existing Site Plan
- Proposed Equipment Plan
- Tower Elevation
- New Equipment Specifications
- Antenna Specification for Unit to be Replaced
- Structural Evaluation

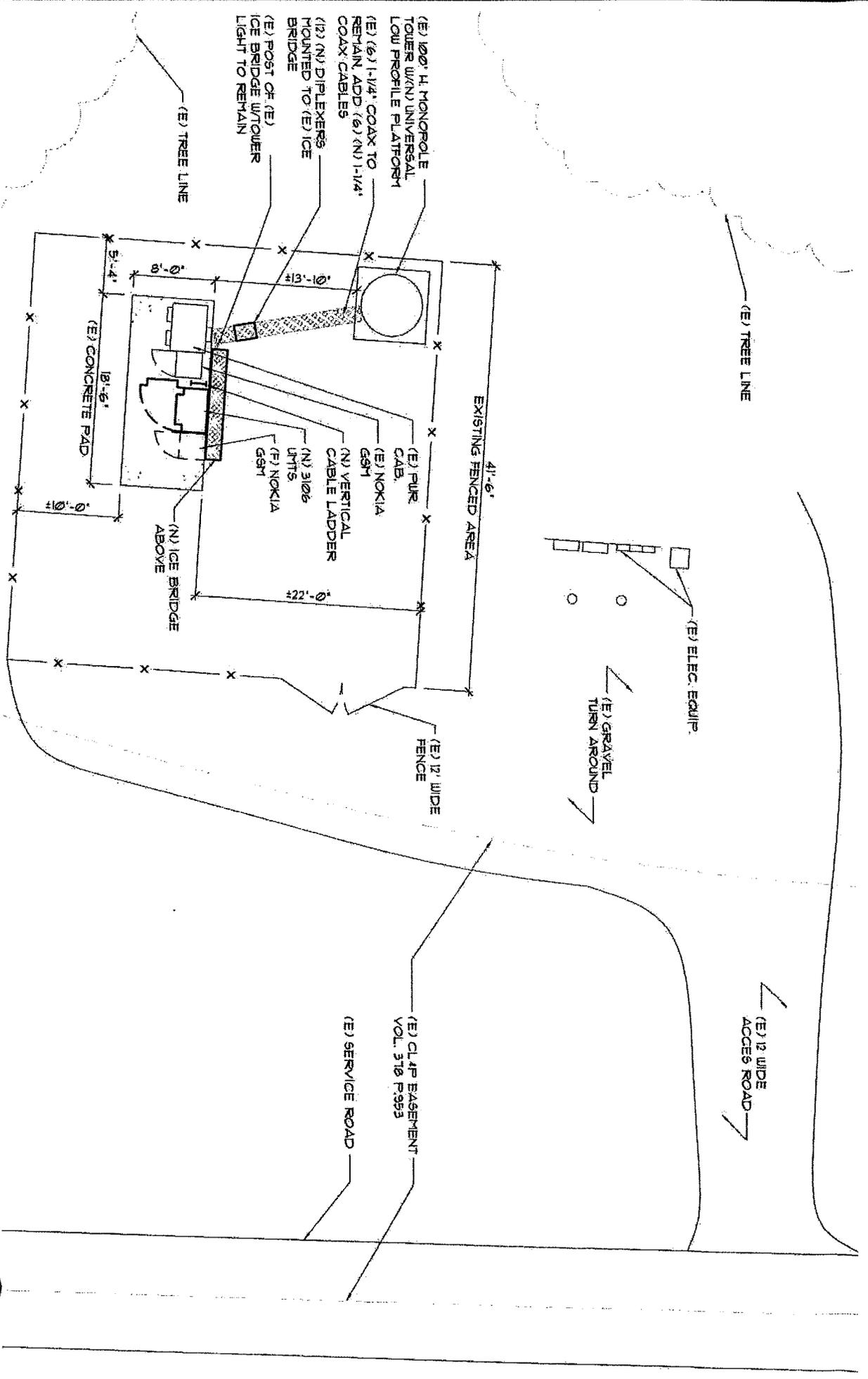
A 201 Granite Road, Guilford. CT. USA



When using any driving directions or map, it's a good idea to do a reality check and make sure the road still exists, watch out for construction, and follow all traffic safety precautions. This is only to be used as an aid in planning.

1 EXISTING SITE PLAN
NTS

NORTH



NO.	DATE	REVISION DESCRIPTION	CHECKED BY:	DRAWN BY:	SCALE:	NTS
2	06-22-06	ISSUED FOR REVIEW	RR JZ	JZ		
1	04-04-05	SCOOPING REVIEW	JR JZ	JZ		

SITE #:	5200
SITE NAME:	GUILFORD SOUTH WEST
201	GRANITE ROAD GUILFORD, CT 06437
DRAWING NUMBER:	3200
REV:	0

T/ TOWER
 (N) CINGULAR ANTENNAS
 ELEV. ± 100'-0"

(E) (3) ANTENNAS TO BE
 REMOVED & REPLACED
 WITH (6) (N) ANTENNAS,
 (2) PER SECTOR
 ANTENNA CONTRACTOR TO
 INSTALL (12) NEW TMA UNITS.

(E) (6) 1-1/4" COAX TO RETAIN
 ADD (6) (N) 1-1/4" COAX
 CABLES

(E) 100" H. MONOPOLE
 TOWER

GRADE
 ELEV. ± 0'-0"

FINAL ANTENNA CONFIGURATION
 (6) DIRECTIONAL ANTENNAS POWERWAVE # 7770
 (12) 1-1/4" DIA. COAX CABLES
 (12) TMAS

1 TOWER ELEVATION
 T - 20'-0"



869 WEST BRYN MAWR
 CHICAGO, ILLINOIS 60651

NO.	DATE	REVISION DESCRIPTION	BY	CHECKED BY	DATE	SCALE
2	03-22-06	ISSUED FOR REVIEW	JZ	JZ		
1	04-04-06	SCOPING REVIEW	JZ	JZ		

CINGULAR WIRELESS

SITE # 5200
 SITE NAME: OAKLORD SOUTH WEST
 201 SRAVIE ROAD OAKLORD, IL 60437
 DRAWING NUMBER 5200
 REV 0

3 Dimensions

This section describes the physical characteristics of the RBS: dimensions, weight, and color.

Table 1 The RBS Dimensions

Unit	Dimensions (mm)
Height	1626
Width	1300
Depth	710
Depth including door	926

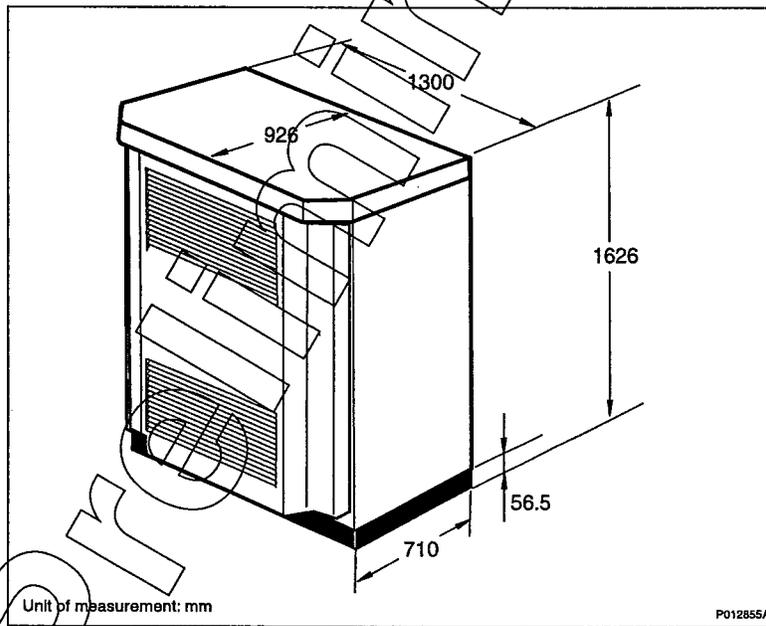


Figure 2 RBS 3106 Dimensions

The RBS weight is shown in the table below.

Table 2 The RBS Weight

Unit	Weight (kg)
RBS fully equipped excluding batteries	560
RBS fully equipped including batteries	850
RBS fully equipped including batteries and future expansion of hardware (not yet available)	875
Installation frame	12

The RBS color is shown in the table below

Table 3 The RBS Color

Color	Color Standard
Grey	RAL 7035
Green	NCS 8010-G 10 Y

Preliminary

Dual Broadband Antenna

90° 1.4 m MET Antenna

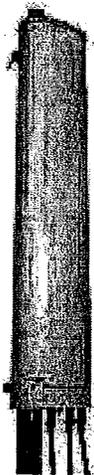
806-960/1710-2170 MHz

Part Number:
7770.00

Horizontal Beamwidth: 90°
Gain: 13.5/16 dBi

Electrical Downtilt: Adjustable
Connector Type: 7/16 female

The Powerwave dual band dual polarized broadband antenna has individual adjustable electrical downtilt per band (upgradeable to Remote Electrical Tilt (RET)). Four connector ports allow separate tilts on each frequency band and ensure the use of diversity concepts. The phase shifter technology, based on a patented sliding dielectric, minimizes intermodulation distortion and maximizes efficiency. The slant +/- 45° dual polarization system provides the independent fading signals needed for achieving top-quality coverage via diversity concepts. The Powerwave Broadband antenna design is based on a patented stacked aperture-coupled patch technology, which provides high isolation performance and a wide VSWR bandwidth. The antennas have superior radiation patterns due to a unique reflector design which provides a very small variation of the -3dB horizontal beam width over the frequency band as well as a high front-to-back ratio.



Key Benefits

- Excellent broad- and multi-band capabilities
- Polarization purity makes good diversity gain
- Excellent pattern performance and high gain over frequency
- High passive intermodulation performance
- Light, slim and robust design

Preliminary

ANTENNA
SYSTEMS

BASE STATION
SYSTEMS

COVERAGE
SYSTEMS

THE POWER IN WIRELESS®

 **Powerwave**
technologies

806-960/1710-2170 MHz

Dual Broadband Antenna

Electrical Specifications (Preliminary)

Frequency band (MHz)	806-960	1710-2170
Gain, ± 0.5 dB (dBi)	13.5	16.0
Polarization	Dual linear $\pm 45^\circ$	
Nominal Impedance (Ohm)	50	
VSWR	1.5:1	
VSWR		1.5:1
Isolation between inputs (dB)	30	
Isolation between inputs (dB)		30
Inter band isolation (dB)		40
Horizontal -3 dB beamwidth	$85 \pm 5^\circ$	$85 \pm 5^\circ$
Tracking, Horizontal plane, $\pm 60^\circ$ (dB)	< 2.0	< 2.0
Tracking, Horizontal plane, $\pm 60^\circ$ (dB)		< 2.0
Electrical downtilt range (adjustable)	0° to 10°	0° to 8°
Vertical -3 dB beamwidth	$14.3 \pm 2.0^\circ$	$6.6 \pm 1^\circ$
Sidelobe suppression, Vertical 1 st upper (dB)	$> 17, 16, 15$ $x=0, 5, 10^\circ$ MET	$> 17, 16, 15$ $x=0, 4, 8^\circ$ MET
Vertical beam squint	$< 0.8^\circ$	$< 0.5^\circ$
First null-fill (dB)	< -25	< -25
Front-to-back ratio (dB)	> 25	> 27
Front-to-back ratio, total power (dB)	> 20	> 23
IM3, 2Tx@43dBm (dBc)	< -153	
IM3, 2Tx@43dBm (dBc)		< -153
IM7, 2Tx@43dBm (dBc)		< -160
Power Handling, Average per input (W)	400	250
Power Handling, Average total (W)	800	500

All specifications are subject to change without notice.
Contact your Powerwave representative for complete performance data.

Mechanical Specifications

Connector Type	4 x 7/16 DIN female
Connector Position	Bottom
Dimensions, HxWxD	1408mm x 280mm x 125mm (55"x11"x5")
Weight Including Brackets	15.8 kg (35 lbs)
Wind Load, Frontal, 42m/s Cd=1	435N (98 lbf)
Survival Wind Speed (m/s)	70 (156mph)
Lightning Protection	DC grounded
Radome Material	GRP
Radome Color	Light Gray
Mounting	Pre-mounted Standard Brackets
Packing Size	1550mm x 355mm x 255mm (61"x14"x10")

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Fax: +46 8 540 823 40

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Fax: +852 2575 4860



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COVERAGE AND CAPACITY

TECHNOLOGY LEADERSHIP

GLOBAL PARTNER

INTEGRATED SOLUTIONS

QUALITY AND RELIABILITY

Tower Mounted Amplifier

Dual Band 1900 MHz with 850 MHz Bypass

1900/850 MHz

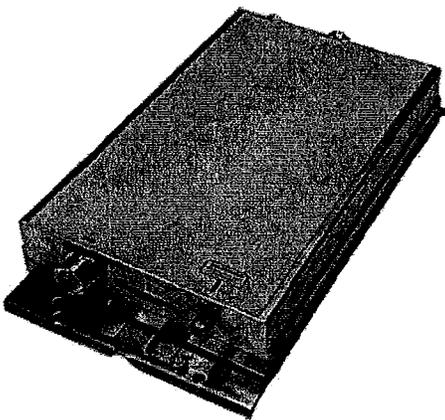
Part Number:
LGP 214nn

Up-link: 1850-1910 MHz
Down-link: 1930-1990 MHz
Bypass: 824-894 MHz

Gain: 12 dB
Noise Figure: < 1.7 dB

The Powerwave® TMA-DD 1900/850 is a dual band Tower Mounted Amplifier (TMA) to be installed near the antenna. Deployed in an AMPS, GSM, GPRS, EDGE and CDMA network it will increase capacity and coverage as well as extend the battery life time for the handsets. The TMA System will provide enhanced coverage and improved up-link signal quality. Appropriate for new rollouts by optimizing coverage with a reduced number of BTSs or as an upgrade to existing BTSs for enhancing the existing coverage.

Extended band TMA facilitates simplified logistics, especially when the frequency bands are scattered. The unit comprises of high Q band-pass filters, dual balanced low noise amplifiers with circuits for active bias, supervision, alarms and lightning protection circuit. The Powerwave patented design with all active components integrated within the filter body provides an extremely reliable, compact and lightweight TMA solution. The vented enclosure design is employed to prevent the effect of condensation, thereby guaranteeing long, reliable, maintenance-free service in all environmental conditions. These TMAs offer an easy to install, maintenance free, cost effective solution for coverage enhancement and increased quality in mobile communication networks.



Key Benefits:

- 850 MHz Bypass
- Improved Network Quality
- Increased Coverage
- State of the Art Performance
- Excellent Power Handling
- Low Tx Loss
- Exceptional Reliability

ANTENNA
SYSTEMS

BASE STATION
SYSTEMS

COVERAGE
SYSTEMS

THE POWER IN WIRELESS®

 **Powerwave**
technologies

Tower Mounted Amplifier



1900/850 MHz

Technical Specifications

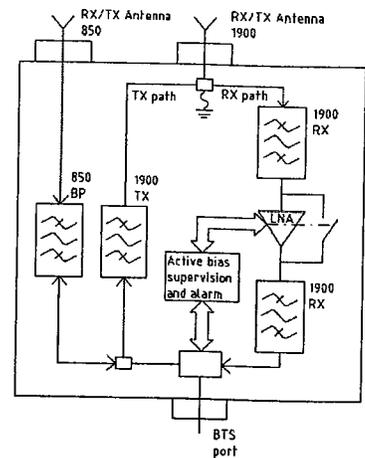
Product Number	LGP214nn	
850 MHz	Bypass (MHz)	824-894
	Return loss* (dB)	> 20
	Insertion loss* (dB)	< 0.3
1900 MHz		
Up-link	Frequency range, full band (60 MHz)	1850-1910
	Nominal gain (dB)	12
	Return loss* (dB)	> 20
	Noise figure* (dB)	< 1.7
	Output 3rd order Intercept Point* (dBm)	> +23
Down-link	Frequency range, full band (60 MHz)	1930-1990
	Insertion loss* (dB)	< 0.6
	Return loss* (dB)	> 20
Intermodulation	2 Tx@x43 dBm (dBc)	<-158
Alarm Functionality	Two levels, individually supervised LNAs	
Power Consumption	@12 VDC	1.2 W

* Typical

All specifications subject to change without notice. Please contact your Powerwave representative for complete performance data.

Mechanical Specifications

Size, W x H x D (without mounting plate)	235 x 366 x 66 mm (9.2 x 14.4 x 2.6 in)
Weight	6.4 kg (14.1 lbs)
Color	Off white (NCS 1502-R)
Housing	Aluminum
RF-connectors	DIN 7/16 female.
Mounting kit	Mounting kit for pole and wall is included
Temperature range	-40 °C to +65 °C (-40 °F to +149 °F)
MTBF	>1 million hours
Safety	UL 60 950
Ingress protection, IP 65	EN 60 529
Environmental	ETS 300 019
EMC	FCC Part 15



D031-08422 Rev. A Pg. 2 of 2

Corporate Headquarters
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COVERAGE AND CAPACITY

TECHNOLOGY LEADERSHIP

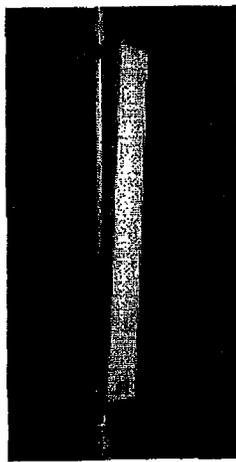
GLOBAL PARTNER

INTEGRATED SOLUTIONS

QUALITY AND RELIABILITY

1900 & 800 MHz Dual Polarized Antenna

1900 & 800 MHz Dual Polarized
XM-1900-65-18.5i



Electrical Specifications		7250 (XM-1900-65-18.5i)
Gain		16.5 dBd (18.5 dBi)
Polarization		linear, dual slant 45
VSWR, 50Ω		<1.3:1 (1850 MHz to 1990 MHz)
Horizontal 3dB beamwidth		65°
Vertical 3dB beamwidth		5.5°
Custom electrical downtilts		0°, 2°, & 4°
40 degree cone Front-to-back ratio		>25 dB co-polar, >20 dB total power
Cross-polar discrimination, boresite		>20 dB
Polarization Quality Ratio		20 dB (3dB beamwidth)/10 dB (forward sector)
Suppression of first upper side lobe		>20 dB
First lower null fill		N/A
Maximum CW input power		500W total at 250W per input
Two tone intermodulation 3rd order		<-110 dBm for 2x10W (150 dBc at 2x40 dBm)
Isolation between ports		>30 dB

Mechanical Specifications	
Connector	7/16 DIN bottom mount
Height	61.3" (1560 mm)
Width	6.3" (160 mm)
Depth	2.2" (55 mm)
Weight	15.4 lbs (7 kg)
Survival wind speed	156 mph (70 m/s)
Maximum wind area	2.74 sq.ft (0.25 sq.m)
Frontal wind load @100mph (C=1)	71.9 lbf (320 N)

*All feed network components DC grounded for Lightning Protection

Mounting Hardware Options for Installation

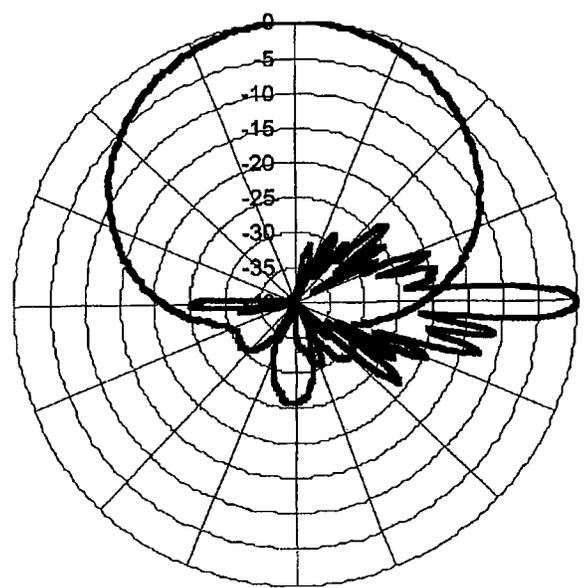
1) Pole mount 2165.10

2) Combined pole mount/downtilt bracket 7254.10 (-0.6° to +13°)

Comments

Gain is typical within frequency band.
 Beamwidths are defined using total power.
 Cross-polar discrimination is defined within -3 dB beamwidth.
 Front-to-back ratio is defined within 20° from the backwards direction in any plane.
 Sidelobe suppression and null fill is relative to peak of main beam.
 Maximum input power is total input power, divided arbitrarily between inputs.
 Radome color is NCS 2502-B (RAL 7035)(gray).

For a complete list of released models pertaining to gain, electrical downtilt and connector placement, please see the quick reference guide on page 14.



Typical Horizontal and Vertical 7250.02 Patterns

A poster displaying a comparison of antenna patterns has been included at the back of the catalog.





May 19, 2006

Mr. Thomas Sun, AIA
CH2M Hill Communications Group
8619 W. Bryn Mawr, Suite 615
Chicago, IL 60631

Re: *Level 1 Structural Evaluation*
Cingular Site #5200
201 Granite Rd.,
Guilford, CT 06437

Natcomm Project No. 06500.Co01-5200

Dear Mr. Sun,

We have reviewed the proposed Cingular UMTS antenna upgrade at the above referenced site. The purpose of the review is to determine the adequacy of an existing 100 ft. monopole, expandable to 140 ft., to support the proposed antennas. The review considered the effects of wind load, dead load, ice load and seismic forces in accordance with TIA/EIA-222-F and Connecticut State Building Code. Existing design calculations and drawings prepared by Engineered Endeavors Incorporated (job #12051-E02) dated November 11, 2003 were used as reference material.

The existing design configuration is as follows:

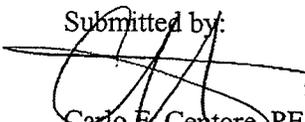
- Future: Three (3) Allgon 7920 panel antennas on low visibility mounts at an elevation of 140' AGL.
- Future: Nine (9) 4 sf panel antennas on a standard low profile platform at an elevation of 130' AGL.
- Future: Nine (9) 4 sf panel antennas on a standard low profile platform at an elevation of 120' AGL.
- Future: Nine (9) 4 sf panel antennas on a standard low profile platform at an elevation of 110' AGL.
- AT&T: Three (3) Allgon 7250.03 panel antennas on low visibility mounts at an elevation of 100' AGL to be removed (see below).
- Future: Three (3) Allgon 7920 panel antennas on low visibility mounts at an elevation of 90' AGL.

The proposed additional antenna loading is as follows:

- Cingular: Six (6) Powerwave 7770.00 panel antennas w/ twelve (12) Powerwave LGP21401 TMA's on a standard low profile platform to replace the existing three (3) Allgon 7250.03 panel antennas on low visibility mounts at an elevation of 100' AGL.

Based on the information provided, the existing structure meets all the requirements of the TIA/EIA-222-F Standard considering the basic wind speed (fastest mile) of 85 mph for New Haven County.

In conclusion, the existing 100 ft monopole is adequate to support the proposed Cingular UMTS antenna upgrade and related equipment. If there are any questions regarding this matter, please feel free to call.

Submitted by:

Carlo F. Centore, PE
Project Manager





CH2M HILL
2 Willow Street, Suite 102
Southborough, MA
01745
Tel 617.834.1643
Fax 518.229.0549

22 May 2006

Honorable Carl Balestracci, Jr.,
First Selectman, Town of Guilford
31 Park Street
Guilford, CT 06437

RE: Notice of Exempt Modification – Existing AT&T Wireless Telecommunications Tower Facility at 201 Granite Road, Guilford, Connecticut

Dear Mr. Balestracci:

New Cingular Wireless PCS, LLC (“Cingular”) proposes to remove and replace telecommunications antennas and associated equipment (formerly owned by AT&T) located on an existing tower at the above-referenced location. The facility is now controlled and operated by Cingular whose corporate office is located at 500 Enterprise Drive, Rocky Hill, CT 06067.

Proposed Modifications

Cingular proposes to add one (1) new equipment cabinet on an existing concrete pad within the existing confines of the compound. In addition, Cingular will remove the three (3) existing antennas and replace them with a total of six (6) antennas, located at an existing centerline height of approximately 100’ above ground level. Cingular will keep six (6) existing 1 ¼” diameter coaxial cables and run six (6) new cables of the same diameter. It will remove the existing tower mounted amplifiers and affix twelve (12) new tower mounted amplifiers to the structure.

In summary, the facility at 201 Granite Road will receive a new equipment cabinet, and the final antenna configuration will include:

- 6 antennas,
- 12 coaxial cables, and
- 12 tower mounted amplifiers.

A structural evaluation has demonstrated that the monopole tower will be structurally capable of supporting the proposed Cingular telecommunications equipment once the proposed modifications are complete.

Statutory Considerations

The proposed work will not affect the height of the existing structure, nor will it alter the existing property boundaries. Furthermore, the proposed work will not increase noise levels at the facility's site boundary by six (6) decibels or more. Operation of additional antennas will not increase the radio frequency electromagnetic radiation power density, measured at the monopole base, to or above the standard adopted by the State of Connecticut and the Federal Communications Commission.

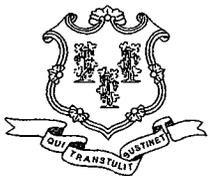
A Notice of Exempt Modification has been filed with the Connecticut Siting Council (CSC) as required by the Regulations of Connecticut State Agencies (RCSA), Section 16-50j-73. Please accept this letter as notification to the Town of Guilford under Section 16-50j-73 that the proposed work constitutes an exempt modification pursuant to RCSA Section 16-50j-72(b)(2).

Should you have any questions or require additional information about the plans or the CSC's procedures, please do not hesitate to contact Elizabeth H. Lanckenau (215.790.1050 ext. 138) or Mr. Derek Phelps, Executive Director, Connecticut Siting Council (860.827.2935).

Sincerely,

A handwritten signature in black ink, appearing to read 'Douglas J. Hulbert', with a horizontal line extending to the right from the end of the signature.

Douglas J. Hulbert
Project Manager



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

May 31, 2006

The Honorable Kevin J. Kopetz
First Selectman
Town of North Haven
Town Hall
18 Church Street
North Haven, CT 06473

RE: **EM-CING-060-084-101-060525** - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 125 Washington Avenue, North Haven; 430-434 Boston Post Road, Milford; and 201 Granite Road, Guilford, Connecticut.

Dear Mr. Kopetz:

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 June 7, 2006 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 June 6, 2006.

Thank you for your cooperation and consideration.

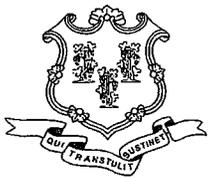
Very truly yours,

S. Berek Phelps
Executive Director

SDP/ap

Enclosure: Notice of Intent

c: Arthur Hausman, Zoning Enforcement Officer, Town of North Haven



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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May 31, 2006

The Honorable James L. Richetelli, Jr.
Mayor
City of Milford
Parsons Complex
70 West River Street
Milford, CT 06460-3364

RE: **EM-CING-060-084-101-060525** - New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 125 Washington Avenue, North Haven; 430-434 Boston Post Road, Milford; and 201 Granite Road, Guilford, Connecticut.

Dear Mayor Richetelli:

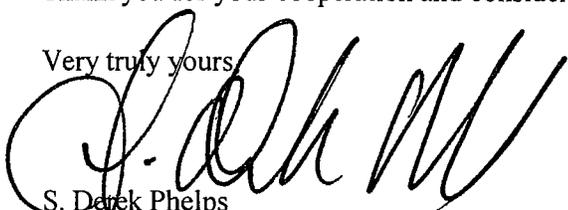
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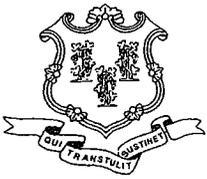
Very truly yours,


S. Derek Phelps
Executive Director

SDP/ap

Enclosure: Notice of Intent

c: David Sulkis, City Planner, City of Milford



STATE OF CONNECTICUT

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May 31, 2006

The Honorable Carl A. Balestracci, Jr.
First Selectman
Town of Guilford
Town Hall
31 Park Street
Guilford, CT 06437

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If you have any questions or comments regarding this proposal, please call me or inform the council by June 6, 2006.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/ap

Enclosure: Notice of Intent

c: Regina Reid, Zoning Enforcement Officer, Town of Guilford