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ORIGINAL

October 21, 2011

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 CONNECTICUT
 SITING COUNCIL

Linda Roberts
 Executive Director
 Connecticut Siting Council
 10 Franklin Square
 New Britain, CT 06051

Re: **Notice of Exempt Modification – Antenna Swap
 257 Norman Road, Jewett City (Griswold), Connecticut**

Dear Ms. Roberts:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains twelve (12) wireless telecommunications antennas at the 158-foot level on the existing 160-foot tower at the above-referenced address. The tower is owned by SBA. Cellco intends to replace all of its existing antennas with six (6) model APL869012-42T0 cellular antennas; six (6) model APL199016-42T2 PCS antennas; and three (3) model BXA 70063/6CF LTE antennas, for a total of fifteen antennas. All replacement antennas will be installed at the same 158-foot level on the tower. Cellco will also install six (6) additional coax cables. Attached behind Tab 1 of this filing are the specifications for each of the proposed replacement 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 Griswold First Selectman, Philip E. Anthony, Jr. A copy of this letter is also being sent to Stuart Norman, Et al, the owner of record of the property on which the tower is located.

The planned modifications to the facility 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 an increase in the overall height of the existing tower. Cellco’s replacement antennas will be located at the 158-foot level on the 160-foot tower.



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2. The proposed modifications will not involve any modifications to ground-mounted equipment and, therefore, will not require the extension of the site boundaries.

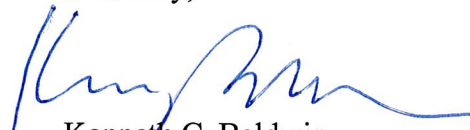
3. The proposed modifications will not increase noise levels at the facility by six decibels or more.

4. The operation of the replacement antennas will not increase radio frequency (RF) power density levels at the facility to a level at or above the Federal Communications Commission (FCC) adopted safety standard. A cumulative General Power Density table for the modified facility is included behind Tab 2.

Also attached is a Structural Analysis Report confirming that the tower and foundation can support Cellco's proposed modifications. (See Tab 3).

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

Sincerely,



Kenneth C. Baldwin

Enclosures

Copy to:

Philip E. Anthony, Jr., Griswold First Selectman
Stuart Norman, Et al
Sandy M. Carter





Maximizer® Log Periodic Antenna, 806-894, 90deg, 14.1dBi, 1.2m, FET, 0deg

Product Description

The Celwave® Maximizer series is a log periodic dipole array which uses a patent pending design to achieve a front-to-back ratio of 45 dB, the highest front-to-back ratio in the industry. Maximizers are available to cover ESMR, AMPS, PCS and DCS frequency ranges. They use Celwave's patented monolithic CELlite® technology, which eliminates cable and soldered joints to reduce the possibility of inter-modulation products. The CELlite technology assures high reliability and excellent repeatability of electrical characteristics. The cellular Maximizers are available in 65°, 80° and 90° horizontal beamwidths and the PCS/DCS Maximizers are available in 65° and 90° horizontal beamwidths.

Features/Benefits

- 45 dB front-to-back ratio reduces co-channel interference.
- Monolithic construction reduces IM.
- No solder joints, high reliability.
- Surface treated components prevent galvanic corrosion.
- UV stabilized radome assures long life without radome deterioration due to UV exposure.



Technical Specifications

Electrical Specifications

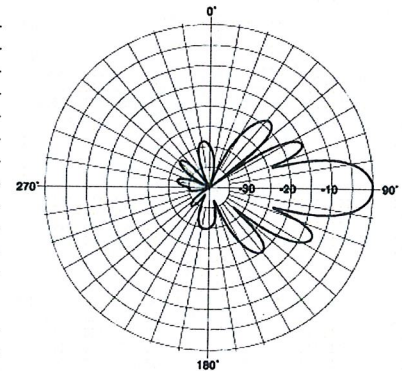
Frequency Range, MHz	806-894
Horizontal Beamwidth, deg	90
Vertical Beamwidth, deg	15
Electrical Downtilt, deg	0
Gain, dBi (dBd)	14.1 (12)
Front-To-Back Ratio, dB	45
Polarization	Vertical
VSWR	< 1.5:1
Impedance, Ohms	50
Maximum Power Input, W	500
Lightning Protection	Direct Ground
Connector Type	7-16 DIN Female

Mechanical Specifications

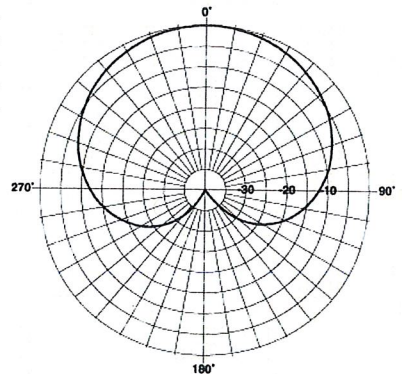
Dimensions - HxWxD, mm (in)	1219 x 152 x 203 (48 x 6 x 8)
Weight w/o Mtg Hardware, kg (lb)	3 (6.75)
Survival Wind Speed, km/h (mph)	200 (125)
Rated Wind Speed, km/h (mph)	200 (125)
Max Wind Loading Area, m ² (ft ²)	0.307 (3.3)
Maximum Thrust @ Rated Wind, N (lbf)	916 (206)
Wind Load - Side @ Rated Wind, N (lbf)	738 (166)
Radome Material	UV Stabilized High Impact ABS
Shipping Weight, kg (lb)	7.9 (17.5)
Packing Dimensions, HxWxD, mm (in)	1270 x 305 x 203 (50 x 12 x 8)

Ordering Information

Mounting Hardware	APM21-3
-------------------	---------



Vertical Pattern



Horizontal Pattern

Other Documentation

All information contained in the present datasheet is subject to confirmation at time of ordering



APL19* Series

1850-1990 MHz

Maximizer® Fixed Tilt Antennas

APL199016-42T0

Horizontal Beamwidth, deg 90

Gain, dBi 18.1

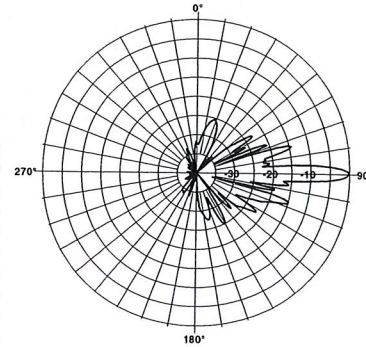
Electrical Downtilt, deg 0

ELECTRICAL SPECIFICATIONS

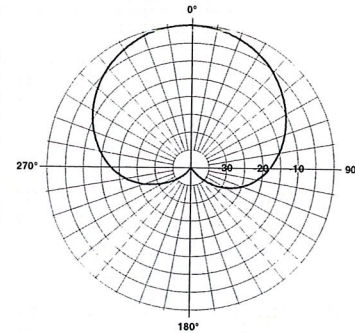
Frequency Range, MHz	1850-1990
Horizontal Beamwidth, deg	90
Vertical Beamwidth, deg	4
Gain, dBi (dBd)	18.1 (16)
1st Upper Sidelobe Suppression, dB	> 18
Upper Sidelobe Suppression, dB	> 18
Front-To-Back Ratio, dB	45
VSWR	< 1.5:1
Maximum Power Input, W	500
Polarization	Vertical
3rd Order IMP @ 2 x 43 dBm, dBc	<-143

MECHANICAL SPECIFICATIONS

Dimensions - HxWxD, mm (in)	1829 x 127 x 102 (72 x 5 x 4)
Survival Wind Speed, km/h (mph)	200 (125)
Max Wind Loading Area, m ² (ft ²)	0.234 (2.5)
Rated Wind Speed, km/h (mph)	200 (125)
Maximum Thrust @ Rated Wind, N (lbf)	445 (100)
Reflector Material	5052-H32 Aluminum
Radiating Element Material	Aluminum Alloy
Radome Material	UV Stabilized High Impact ABS
Weight w/o Mtg Hardware, kg (lb)	4 (8)
Packing Dimensions, HxWxD, mm (in)	2083 x 356 x 254 (82 x 14 x 10)



Vertical Pattern



Horizontal Pattern

APL199016-42T2

Horizontal Beamwidth, deg 90

Gain, dBi 18.1

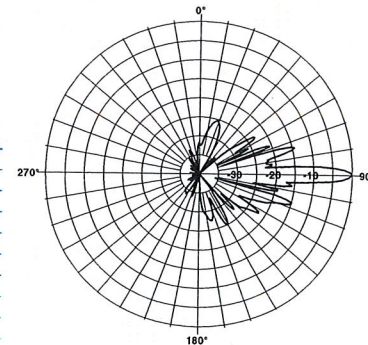
Electrical Downtilt, deg 2

ELECTRICAL SPECIFICATIONS

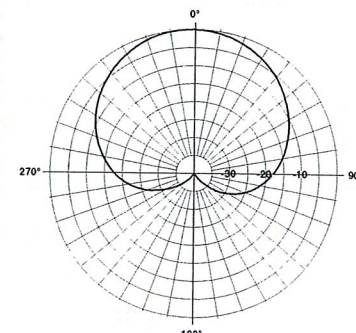
Frequency Range, MHz	1850-1990
Horizontal Beamwidth, deg	90
Vertical Beamwidth, deg	4
Gain, dBi (dBd)	18.1 (16)
1st Upper Sidelobe Suppression, dB	> 18
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VSWR	< 1.5:1
Maximum Power Input, W	500
Polarization	Vertical
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Radiating Element Material	Aluminum Alloy
Radome Material	UV Stabilized High Impact ABS
Weight w/o Mtg Hardware, kg (lb)	4 (8)
Packing Dimensions, HxWxD, mm (in)	2083 x 356 x 254 (82 x 14 x 10)



Vertical Pattern



Horizontal Pattern

BXA-70063-6CF-EDIN-X

X-Pol | FET Panel | 63° | 14.5 dBd

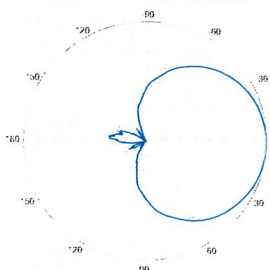
Replace "X" with desired electrical downtilt.

Antenna is also available with NE connector(s). Replace "EDIN" with "NE" in the model number when ordering.



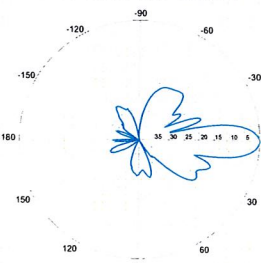
Electrical Characteristics	696-900 MHz				
	696-806 MHz		806-900 MHz		
Frequency bands	696-806 MHz		806-900 MHz		
Polarization	±45°				
Horizontal beamwidth	65°		63°		
Vertical beamwidth	13°		11°		
Gain	14.0 dBd (16.1 dBi)		14.5 dBd (16.6 dBi)		
Electrical downtilt (X)	0, 2, 3, 4, 5, 6, 8, 10				
Impedance	50Ω				
VSWR	≤1.35:1				
Upper sidelobe suppression (0°)	-18.3 dB		-18.2 dB		
Front-to-back ratio (+/-30°)	-33.4 dB		-36.3 dB		
Null fill	5% (-26.02 dB)				
Isolation between ports	< -25 dB				
Input power	500 W				
Lightning protection	Direct Ground				
Connector(s)	2 Ports / EDIN or NE / Female / Center (Back)				
Mechanical Characteristics					
Dimensions Length x Width x Depth	1804 x 285 x 132 mm		71.0 x 11.2 x 5.2 in		
Depth with z-brackets	172 mm		6.8 in		
Weight without mounting brackets	7.9 kg		17 lbs		
Survival wind speed	> 201 km/hr		> 125 mph		
Wind area	Front: 0.51 m ²	Side: 0.24 m ²	Front: 5.5 ft ²	Side: 2.6 ft ²	
Wind load @ 161 km/hr (100 mph)	Front: 759 N	Side: 391 N	Front: 169 lbf	Side: 89 lbf	
Mounting Options	Part Number	Fits Pipe Diameter		Weight	
3-Point Mounting Bracket Kit	36210003	50-160 mm	2.0-6.3 in	6.3 kg	14 lbs
3-Point Downtilt Bracket Kit (0-14°)	36210004	50-160 mm	2.0-6.3 in	7.3 kg	16 lbs
Downtilt Mounting Applications	A mounting bracket and downtilt bracket kit must be ordered for downtilt applications				
Concealment Configurations	For concealment configurations, order BXA-70063-6CF-EDIN-X-FP				

BXA-70063-6CF-EDIN-X



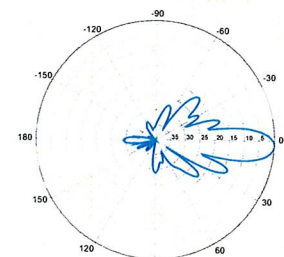
Horizontal | 750 MHz

BXA-70063-6CF-EDIN-0

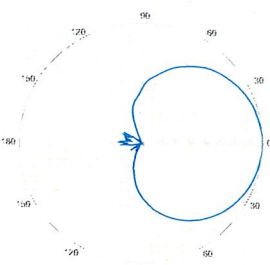


0° | Vertical | 750 MHz

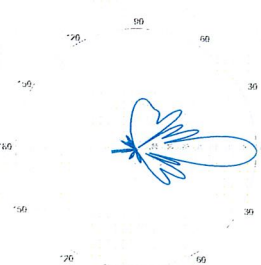
BXA-70063-6CF-EDIN-2



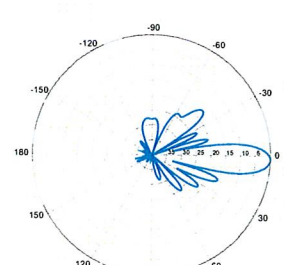
2° | Vertical | 750 MHz



Horizontal | 850 MHz



0° | Vertical | 850 MHz



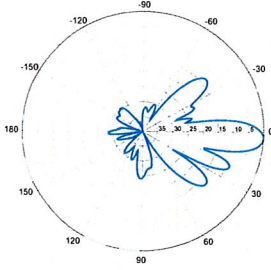
2° | Vertical | 850 MHz

Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

BXA-70063-6CF-EDIN-X

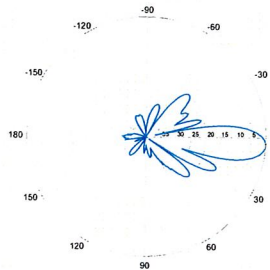
X-Pol | FET Panel | 63° | 14.5 dBd

BXA-70063-6CF-EDIN-3



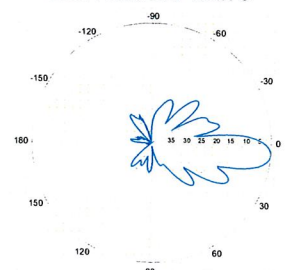
3° | Vertical | 750 MHz

BXA-70063-6CF-EDIN-4

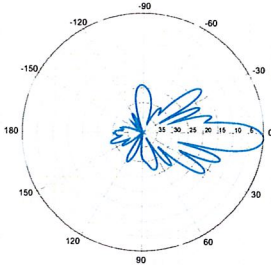


4° | Vertical | 750 MHz

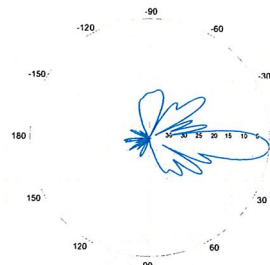
BXA-70063-6CF-EDIN-5



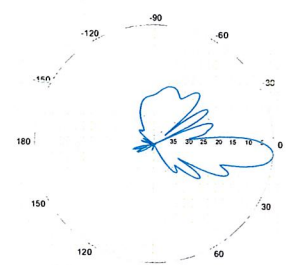
5° | Vertical | 750 MHz



3° | Vertical | 850 MHz

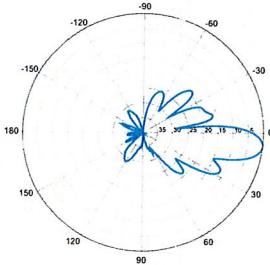


4° | Vertical | 850 MHz



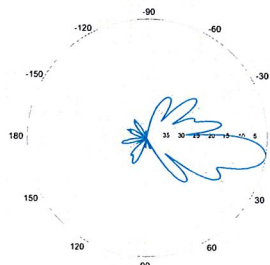
5° | Vertical | 850 MHz

BXA-70063-6CF-EDIN-6



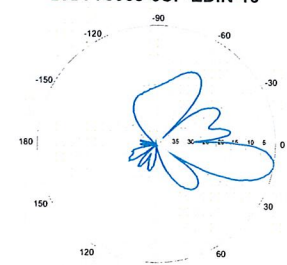
6° | Vertical | 750 MHz

BXA-70063-6CF-EDIN-8

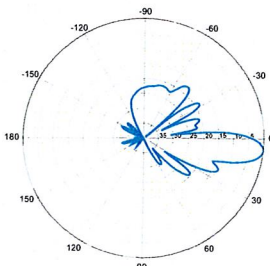


8° | Vertical | 750 MHz

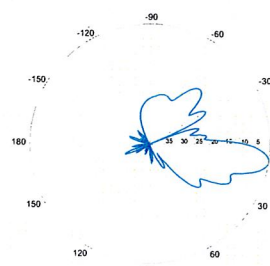
BXA-70063-6CF-EDIN-10



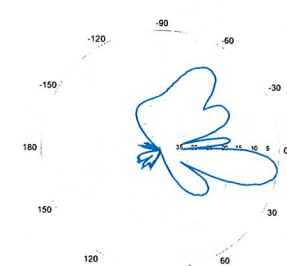
10° | Vertical | 750 MHz



6° | Vertical | 850 MHz



8° | Vertical | 850 MHz



10° | Vertical | 850 MHz

Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

Site Name: Jewett City		General		Power		Density							
Tower Height: Verizon @ 158ft													
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	CALC. POWER DENS	FREQ.	MAX. PERMISS. EXP.	FRACTION MPE	Total					
*Fire Dept	4	300	160	0.0169	33	0.2000	8.43%						
*Fire Dept	2	200	160	0.0056	458	0.3053	1.84%						
*Fire Dept	1	200	160	0.0028	152	0.2000	1.40%						
*Fire Dept	1	100	60	0.0100	76	0.2000	4.99%						
*MetroPCS	3	443.61	128	0.0292	2140	1.0000	2.92%						
*VoiceStream	2	441	148	0.0145	1930	1.0000	1.45%						
*Cingular UMTS	1	500	137	0.0096	880	0.5867	1.63%						
*Cingular GSM	2	427	137	0.0164	1900	1.0000	1.64%						
*Cingular GSM	4	296	137	0.0227	880	0.5867	3.87%						
Verizon PCS	7	210	158	0.0212	1970	1.0000	2.12%						
Verizon Cellular	9	258	158	0.0334	869	0.5793	5.77%						
Verizon AWS	1	526	158	0.0076	2145	1.0000	0.76%						
Verizon 700	2	765	158	0.0220	698	0.4653	4.74%						
								41.55%					
* Source: Siting Council													

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EXECUTIVE SUMMARY

At the request of SBA Network Services, Inc., FDH Engineering, Inc. performed an analysis of the existing self supported tower located in Griswold, CT to determine whether the tower is structurally adequate to support both the existing and proposed loads, pursuant to the *Structural Standards for Steel Antenna Towers and Antenna Supporting Structures, TIA/EIA-222-F*. Information pertaining to the existing/proposed antenna loading, current tower geometry, and the member sizes was obtained from Rohn Industries, Inc. (File No. 37696SP001) original design drawings dated April 6, 1999, FDH, Inc. (Job No. 07-0317T) TIA Inspection Report dated April 6, 2007, and SBA Network Services, Inc.

The *basic design wind speed* per *TIA/EIA-222-F* standards is 85 MPH without ice and 38 MPH with 1" radial ice. Ice is considered to increase in thickness with height.

Conclusions

With the existing and proposed loading from Verizon at 158', the tower meets the requirements of the *TIA/EIA-222-F* standards provided the **Recommendation** listed below is satisfied. Furthermore, provided the foundation was designed and constructed to support the original design reactions (see Rohn, Inc. File No. 37696SP001), the foundation should be adequate to support the existing and proposed loading. For a more detailed description of the analysis of the tower, see the **Results** section of this report.

Our structural analysis has been performed assuming all information provided to FDH Engineering, Inc. is accurate (i.e., the steel data, tower layout, existing antenna loading, and proposed antenna loading) and that the tower has been properly erected and maintained per the original design drawings.

Recommendation

To ensure the requirements of the *TIA/EIA-222-F* standards are met with the existing and proposed loading in place, we have the following recommendation:

1. Coax lines must be installed as shown in **Figure 1**.

APPURTENANCE LISTING

The proposed and existing antennas with their corresponding cables/coax lines are shown in **Table 1**. *If the actual layout determined in the field deviates from this layout, FDH Engineering, Inc. should be contacted to perform a revised analysis.*

Table 1 – Appurtenance Loading

Existing Loading:

Antenna No.	Antenna Elevation (ft)	Description	Coax and Lines ¹	Carrier	Mount Elevation (ft)	Mount Type
1-2	169	(2) Decibel 20' x 2" Dipoles	(1) 1/2"	Quinebaug Comm 911	160	Direct Mount
3	163	(1) Andrew DB201-C Yagi	(2) 7/8"			
4-15	158 ²	(12) 51" x 4" x 10" Panels	(12) 1-5/8"	Verizon	159	(3) 15' T-Frames
16-21	149	(6) Powerwave 63SSFL TMAs	(6) 1-5/8"	T-Mobile	148	(3) 10.5' T-Frames
	148	(6) Dapa 59212				
22-27	137	(6) Powerwave 7770 (6) Powerwave LGP21401 TMAs (6) Powerwave LGP21903 Diplexers	(12) 1-1/4"	AT&T	137	(3) 12' T-Frames
28	128 ³	(6) Kathrein 742 351	(12) 1-5/8" (1) 3/8"	Metro PCS	128	(3) 12' T-Frames
29	82	(1) 3' x 1" Yagi	(1) 1/2"	Quinebaug Comm 911	82	Direct Mount
30	76	(1) GPS	(1) 1/2"	Verizon	76	(1) 3' Standoff
31	65	(1) 6' Trombone	(1) 1/2"	Quinebaug Comm 911	65	Direct Mount

¹ See Figure 1 for coax location.

² The loading for Verizon at 158' will be altered. See the proposed loading below for details.

³ Currently, Metro PCS has no loading installed at 128'. According to information provided by SBA, Metro PCS may install up to (6) Kathrein 742 351 antennas, (12) 1-5/8" coax, and (1) 3/8" coax at 128'. Analysis performed with total leased loading in place.

Proposed Loading:

Antenna No.	Antenna Elevation (ft)	Description	Coax and Lines	Carrier	Mount Elevation (ft)	Mount Type
1-15	158 ¹	(6) RFS APL869012-T0 (6) RFS APL199016-42T2 (3) Antel BXA-70063/6CF	(18) 1-5/8"	Verizon	158	(3) 12' T-Frames

¹ This represents the final loading configuration for Verizon at 158'. According to information provided by SBA, Verizon will remove all existing antennas and add (6) RFS APL869012-T0 antennas, (6) RFS APL199016-42T2 antennas, and (3) Antel BXA-70063/6CF antennas, and (6) 1-5/8" coax at 158'.

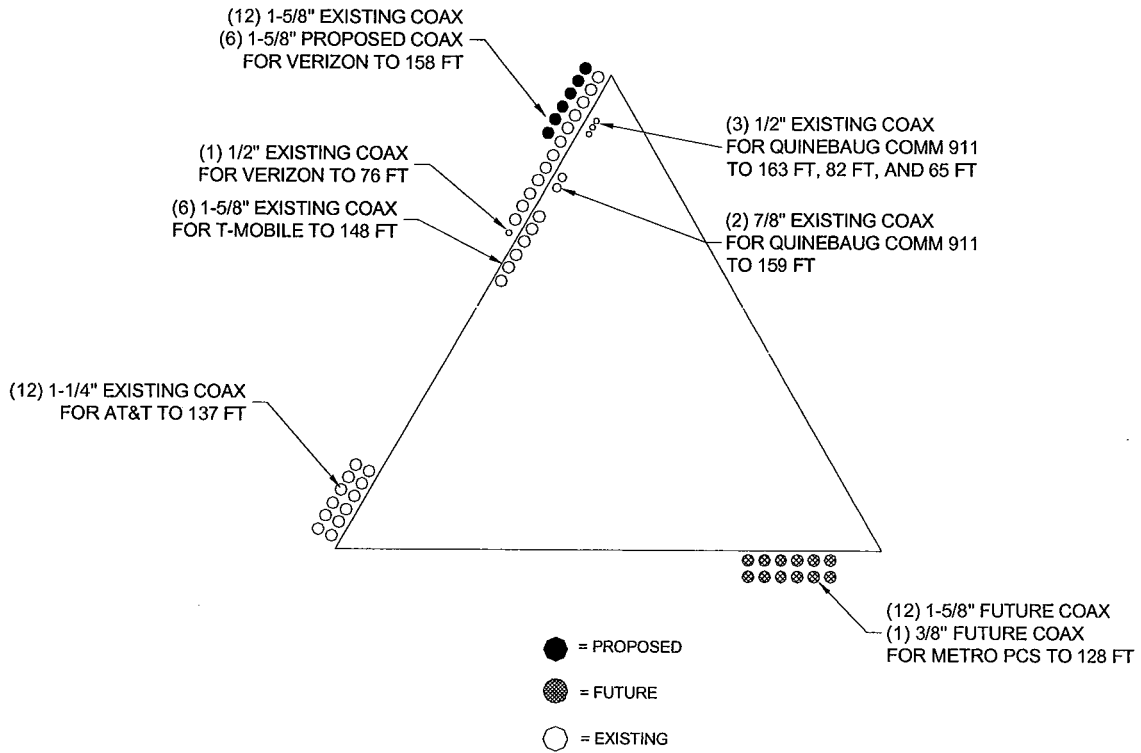


Figure 1 – Coax Layout

RESULTS

The following yield strength of steel for individual members was used for analysis:

Table 2 - Material Strength

Member Type	Yield Strength
Legs	50 ksi
Diagonals	36 & 50 ksi
Horizontals	36 ksi

Table 3 displays the summary of the ratio (as a percentage) of force in the member to their capacities. Values greater than 100% indicate locations where the maximum force in the member exceeds its capacity. **Table 4** displays the maximum foundation reactions.

If the assumptions outlined in this report differ from actual field conditions, FDH Engineering, Inc. should be contacted to perform a revised analysis. Furthermore, as no information pertaining to the allowable twist and sway requirements for the existing or proposed appurtenances was provided, deflection and rotation were not taken into consideration when performing this analysis.

See the **Appendix** for detailed modeling information

Table 3 – Working Percentage of Structural Components

Section No.	Elevation ft	Component Type	Size	% Capacity	Pass Fail
T1	160 - 140	Leg	ROHN 2.5 STD	33.7	Pass
		Diagonal	L1 3/4x1 3/4x3/16	40.4	Pass
		Top Girt	L1 3/4x1 3/4x3/16	4.3	Pass
T2	140 - 120	Leg	ROHN 3 STD	65.0	Pass
		Diagonal	L2x2x3/16	70.0	Pass
		Top Girt	L1 3/4x1 3/4x3/16	5.5	Pass
T3	120 - 100	Leg	ROHN 3.5 EH	66.5	Pass
		Diagonal	L2 1/2x2 1/2x3/16	63.9 66.0 (b)	Pass
		Top Girt	L1 3/4x1 3/4x3/16	5.5	Pass
T4	100 - 80	Leg	ROHN 4 EH	71.6	Pass
		Diagonal	L2 1/2x2 1/2x3/16	88.7	Pass
T5	80 - 60	Leg	ROHN 5 EH	60.9	Pass
		Diagonal	L3x3x1/4	54.4 73.1 (b)	Pass
T6	60 - 40	Leg	ROHN 6 EHS	70.3	Pass
		Diagonal	L3 1/2x3 1/2x1/4	58.8 60.0 (b)	Pass
T7	40 - 20	Leg	ROHN 6 EH	66.2	Pass
		Diagonal	L3 1/2x3 1/2x1/4	77.0	Pass
T8	20 - 0	Leg	ROHN 6 EH	75.7	Pass
		Diagonal	L3 1/2x3 1/2x1/4	92.8	Pass

*Capacities include 1/3 allowable increase for wind.

Table 4 – Maximum Base Reactions

Load Type	Direction	Current Analysis (TIA/EIA-222-F)	Original Design (TIA/EIA-222-F)
Individual Foundation	Horizontal	23 k	28 k
	Uplift	180 k	214 k
	Compression	206 k	240 k
Overturning Moment	---	3,554 k-ft	4,053 k-ft

GENERAL COMMENTS

This engineering analysis is based upon the theoretical capacity of the structure. It is not a condition assessment of the tower and its foundation. It is the responsibility of SBA Network Services, Inc. to verify that the tower modeled and analyzed is the correct structure (with accurate antenna loading information) modeled. If there are substantial modifications to be made or the assumptions made in this analysis are not accurate, FDH Engineering, Inc. should be notified immediately to perform a revised analysis.

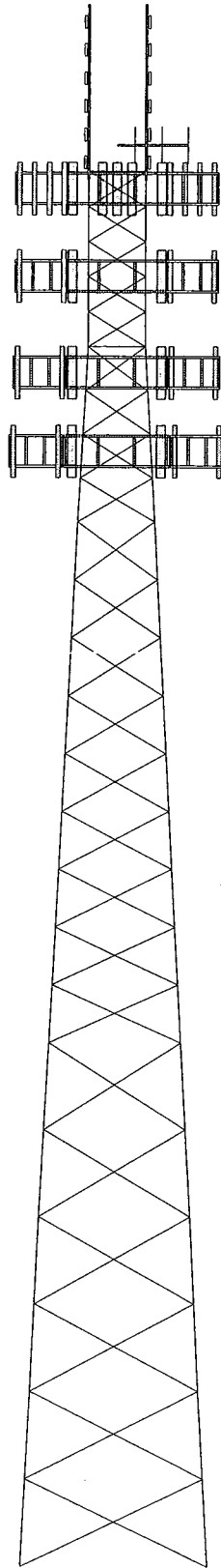
LIMITATIONS

All opinions and conclusions are considered accurate to a reasonable degree of engineering certainty based upon the evidence available at the time of this report. All opinions and conclusions are subject to revision based upon receipt of new or additional/updated information. All services are provided exercising a level of care and diligence equivalent to the standard and care of our profession. No other warranty or guarantee, expressed or implied, is offered. Our services are confidential in nature and we will not release this report to any other party without the client's consent. The use of this engineering work is limited to the express purpose for which it was commissioned and it may not be reused, copied, or distributed for any other purpose without the written consent of FDH Engineering, Inc.

APPENDIX

Section	T1	T2	T3	T4	T5	T6	T7	T8
Legs	ROHN 2.5 STD	ROHN 3 STD	ROHN 3.5 EH	ROHN 4 EH	ROHN 5 EH	ROHN 6 EHS	ROHN 6 EH	ROHN 6 EH
Leg Grade					A572-50			
Diagonals	L1 3/4x1 3/4x3/16	L2x2x3/16	L2 1/2x2 1/2x3/16	L3x3x1/4	L3 1/2x3 1/2x1/4	L3 1/2x3 1/2x1/4	L3 1/2x3 1/2x1/4	L3 1/2x3 1/2x1/4
Diagonal Grade		A36			A572-50			
Top Girts		L1 3/4x1 3/4x3/16		N.A.				
Face Width (ft)	6.58		8.59	10.65	12.74	14.83	16.92	18.98
# Panels @ (ft)	5 @ 4	4 @ 5	9 @ 6.66667	1.6	2.6	2.7	3.1	3.3
Weight (K)	0.9	1.0	1.4	1.6	2.6	2.7	3.1	3.3

160.0 ft
140.0 ft
120.0 ft
100.0 ft
80.0 ft
60.0 ft
40.0 ft
20.0 ft
0.0 ft



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
DB201-C	163	(2) 59212 w/Mount Pipe	148
Leg Extension	160	(2) 59212 w/Mount Pipe	148
20' Dipole	159	(3) 10.5' T-Frames	148
20' Dipole	159	(2) 7770.00 w/ Mount Pipe	137
(2) RFS APL199016-42T2 w/ Mount Pipe	158	(2) 7770.00 w/ Mount Pipe	137
(2) RFS APL199016-42T2 w/ Mount Pipe	158	(2) 7770.00 w/ Mount Pipe	137
(2) RFS APL199016-42T2 w/ Mount Pipe	158	(2) LGP21401 TMA	137
(2) RFS APL199016-42T2 w/ Mount Pipe	158	(2) LGP21401 TMA	137
(2) RFS APL199016-42T2 w/ Mount Pipe	158	(2) LGP21903 Diplexer	137
(2) RFS APL869012-T0 w/ Mount Pipe	158	(2) LGP21903 Diplexer	137
(2) RFS APL869012-T0 w/ Mount Pipe	158	(2) LGP21903 Diplexer	137
(2) RFS APL869012-T0 w/ Mount Pipe	158	(3) 12' T-Frames	137
Antel BXA-70083/6CF w/ Mount Pipe	158	(2) 742 351 w/ Mount Pipe	128
Antel BXA-70083/6CF w/ Mount Pipe	158	(2) 742 351 w/ Mount Pipe	128
Antel BXA-70083/6CF w/ Mount Pipe	158	(2) 742 351 w/ Mount Pipe	128
(3) 15' T-Frames	158	(3) 12' T-Frames	128
(2) 63SSFL TMA	149	Yagi	82
(2) 63SSFL TMA	149	GPS	76
(2) 63SSFL TMA	149	3' Standoff	76
(2) 59212 w/Mount Pipe	148	6' Trombone	65

MATERIAL STRENGTH

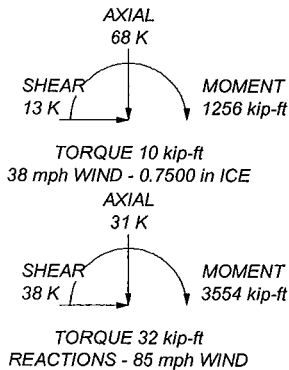
GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A36	36 ksi	58 ksi

TOWER DESIGN NOTES

1. Tower is located in New London County, Connecticut.
2. Tower designed for a 85 mph basic wind in accordance with the TIA/EIA-222-F Standard.
3. Tower is also designed for a 38 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 50 mph wind.
5. TOWER RATING: 92.8%

MAX. CORNER REACTIONS AT BASE:

DOWN: 206 K
UPLIFT: -180 K
SHEAR: 23 K



	FDH Engineering, Inc. 2730 Rowland Road Raleigh, North Carolina Phone: (919) 755-1012 FAX: (919) 755-1031		Job: Griswold 2, CT10012-A Project: 11-02069E S1 (R1)	
	Client: SBA Network Services	Drawn by: SMN	App'd:	
	Code: TIA/EIA-222-F	Date: 03/22/11	Scale: NTS	
	Path:		Dwg No. E-1	

280 Trumbull Street
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Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

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CONNECTICUT
SITING COUNCIL
February 23, 2012

David Martin
Siting Analyst
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **EM-VER-047-111024**
257 Norman Road, Jewett City (Griswold), Connecticut
Completion of Construction Activity

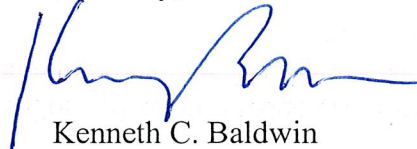
Dear Mr. Martin:

On November 10, 2011, the Siting Council acknowledged receipt of Cellco's notice of intent to modify its existing telecommunications facility at 257 Norman Road in Jewett City. The modification involved the replacement of Cellco's existing antennas and the installation of six additional coax cables.

As a condition of this acknowledgement, Cellco was required to provide the Council with a letter stating that the modifications would comply with the engineer's recommendations. Attached is a Tower Modification Certification Letter verifying that this condition has been satisfied. All construction associated with these modifications has now been completed.

If you have any questions please do not hesitate to contact me or Rachel Mayo.

Sincerely,



Kenneth C. Baldwin

Copy to:
Sandy M. Carter



Law Offices

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