



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@ct.gov
www.ct.gov/csc

November 19, 2013

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

RE: **EM-VER-002-131028** – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 1 Deerfield Lane, Ansonia, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- The proposed coax and accessory equipment shall be installed as specified in the Structural Analysis Report prepared by FDH Engineering dated September 27, 2013 and stamped by Christopher Murphy;
- Within 45 days following completion of the antenna installation, Verizon shall provide documentation certified by a professional engineer that its installation complied with the recommendations of the structural analysis;
- Any deviation from the proposed modification as specified in this notice and supporting materials with the Council shall render this acknowledgement invalid;
- Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
- Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated October 23, 2013. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.



This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

Very truly yours,



Melanie A. Bachman
Acting Executive Director

MAB/CDM/jb

- c: The Honorable James T. DellaVolpe, Mayor, City of Ansonia
James Tanner, Zoning Enforcement Officer, City of Ansonia
Sean Gormley, SBA

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

Also admitted in Massachusetts

April 28, 2014



Melanie Bachman
Acting Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

CONNECTICUT
SITING COUNCIL

Re: **EM-VER-002-131028 – Cellco Partnership d/b/a Verizon Wireless
1 Deerfield Lane, Ansonia, Connecticut**

Dear Ms. Bachman:

On November 19, 2013, the Siting Council acknowledged receipt of Cellco's notice of intent to modify its telecommunications facility at 1 Deerfield Lane in Ansonia. The modification involved the replacement of certain antennas.

As a condition of the acknowledgement, Cellco was required to provide the Council with a letter stating that the recommendations specified in the structural report were implemented. Attached is a Tower Modification Certification Letter verifying that these conditions have 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

Attachment
Copy to:

Sandy M. Carter
Brian Ragozzine
Mark Gauger



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April 15, 2014

Mr. Mark Gauger
Verizon Wireless
99 East River Drive
East Hartford, Connecticut 06108

Re: Existing Telecommunications Facility Tower Modification Certification Letter

Project: Verizon – Ansonia East
1 Deerfield Lane
Ansonia, CT

Owner: SBA Communications

Engineer: FDH Engineering
6521 Meridien Drive, Raleigh, NC 27616

Centek Project No.: 13017.068

Dear Mr. Gauger,

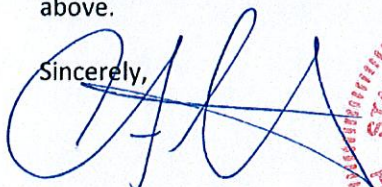
We are providing this "Existing Telecommunications Facility Tower Modification Certification Letter" with regard to the antenna upgrade by Verizon Wireless at the above referenced project.

The following are the basis for substantiating compliance with the FDH Engineering structural analysis report (FDH Project No. 13SCPL1400) dated September 27, 2013:

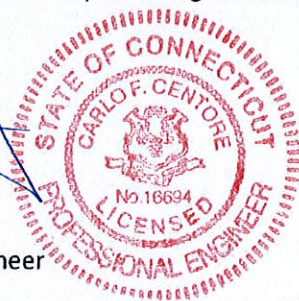
- Review of the FDH structural analysis report dated 09/27/2013.
- Field observations by Centek personnel of the coax and TMA installation on 04/14/2014 which determined all coax lines and TMA's were installed in general compliance with the recommendations of the structural analysis report prepared by FDH on 09/27/2013.

The work under this Contract has been reviewed and found, to the Engineer's best knowledge, information and belief, to be completed in general compliance with the documents referenced above.

Sincerely,



Carlo F. Centore, PE
Principal ~ Structural Engineer



CC: Rachel Mayo, Tim Parks, Aleksey Tyurin

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 Direct (860) 275-8345

Also admitted in Massachusetts

October 23, 2013

Melanie A. Bachman
 Acting Executive Director
 Connecticut Siting Council
 10 Franklin Square
 New Britain, CT 06051



Re: **Notice of Exempt Modification – Antenna Swap
 1 Deerfield Lane, Ansonia, Connecticut**

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains fifteen (15) wireless telecommunications antennas at the 157-foot level of the existing 169-foot tower at the above-referenced address. The tower is owned by SBA. The Council approved Cellco’s shared use of this tower in 2007 in Docket No. 340. Cellco now intends to replace one (1) of its existing antennas with one (1) model BXA-70063-6BF LTE antenna at the same level on the tower. Included in Attachment 1 are specifications for the replacement antenna.

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 James Della Volpe, Mayor for the City of Ansonia. A copy of this letter is also being sent to Macabee Properties LLC, the owner 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 height of the existing tower. Cellco’s replacement antenna will be located at the 157-foot level of the 169-foot tower.



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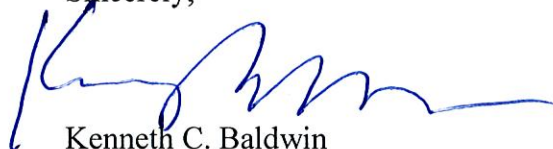
ROBINSON & COLE_{LLP}

Melanie A. Bachman
October 23, 2013
Page 2

2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the modified facility will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative worst-case General Power Density table for Cellco's modified facility is included in Attachment 2.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The tower and its foundation can support Cellco's proposed modifications. A Structural Analysis for the SBA tower is included in Attachment 3. Contrary to the recommendations included on page 3 of the Structural Analysis, Cellco's proposed modifications do not include the installation of TMAs or new coaxial cables.

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:

James Della Volpe, Ansonia Mayor
Macabee Properties LLC
Sandy Carter



ATTACHMENT 1

BXA-70063-6BF-EDIN-X

X-Pol | FET Panel | 63° | 14.5 dBd

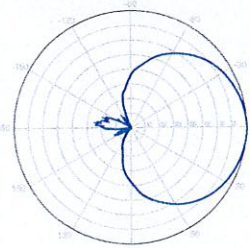
Replace "X" with desired electrical downtilt.

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

Electrical Characteristics	696-900 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 with EDIN connectors	500 W		
Input power with N connectors	300 W		
Lightning protection	Direct Ground		
Connector(s)	2 Ports / EDIN or N / Female / Bottom		
Mechanical Characteristics			
Dimensions Length x Width x Depth	1742 x 285 x 135 mm	68.6 x 11.2 x 5.3 in	
Depth with z-brackets	175 mm	6.9 in	
Weight without mounting brackets	8.7 kg	19.2 lbs	
Survival wind speed	> 201 km/hr		
Wind area	Front: 0.50 m ² Side: 0.24 m ²	Front: 5.3 ft ² Side: 2.5 ft ²	
Wind load @ 161 km/hr (100 mph)	Front: 733 N Side: 386 N	Front: 164 lbf Side: 88 lbf	
Mounting Options	Part Number	Fits Pipe Diameter	Weight
3-Point Mounting & Downtilt Bracket Kit	36210008	40-115 mm 1.57-4.5 in	6.9 kg 15.2 lbs
Concealment Configurations	For concealment configurations, order BXA-70063-6BF-EDIN-X-FP		

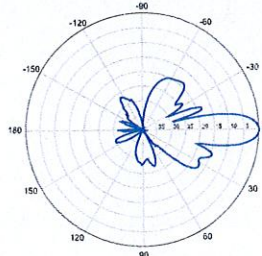


BXA-70063-6BF-EDIN-X



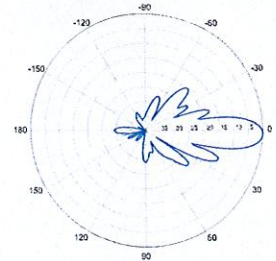
Horizontal | 750 MHz

BXA-70063-6BF-EDIN-0

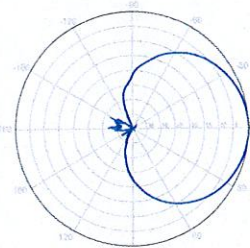


0° | Vertical | 750 MHz

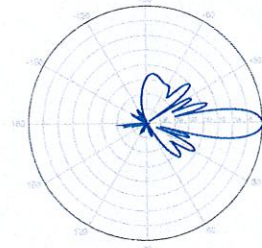
BXA-70063-6BF-EDIN-2



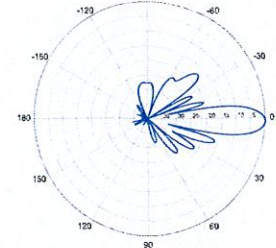
2° | Vertical | 750 MHz



Horizontal | 850 MHz



0° | Vertical | 850 MHz



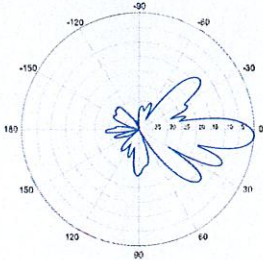
2° | Vertical | 850 MHz

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-70063-6BF-EDIN-X

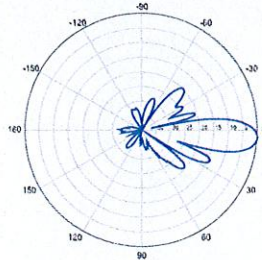
X-Pol | FET Panel | 63° | 14.5 dBd

BXA-70063-6BF-EDIN-3



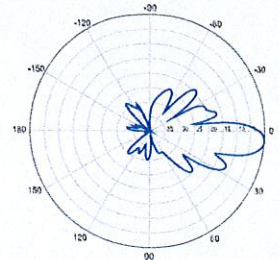
3° | Vertical | 750 MHz

BXA-70063-6BF-EDIN-4

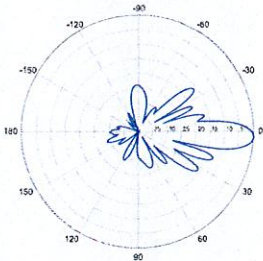


4° | Vertical | 750 MHz

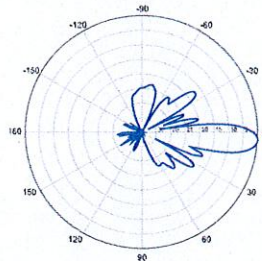
BXA-70063-6BF-EDIN-5



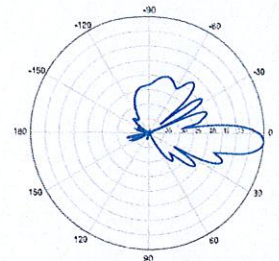
5° | Vertical | 750 MHz



3° | Vertical | 850 MHz

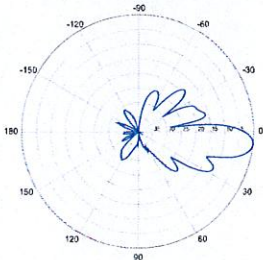


4° | Vertical | 850 MHz



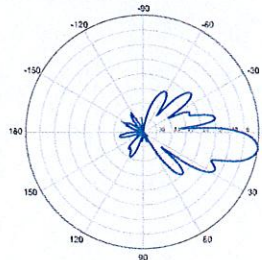
5° | Vertical | 850 MHz

BXA-70063-6BF-EDIN-6



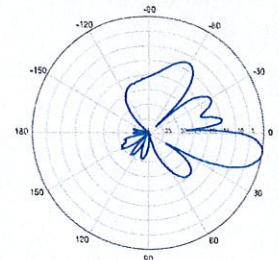
6° | Vertical | 750 MHz

BXA-70063-6BF-EDIN-8

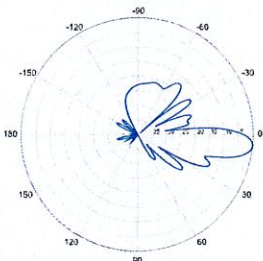


8° | Vertical | 750 MHz

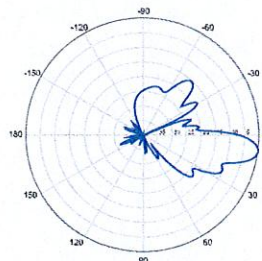
BXA-70063-6BF-EDIN-10



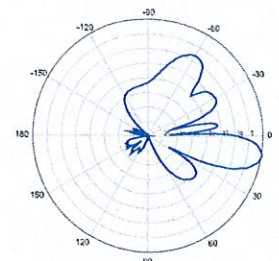
10° | Vertical | 750 MHz



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.

ATTACHMENT 2

Site Name: Ansonia E		General		Power	Density			
Tower Height: Verizon @ 157ft								
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	CALC. POWER DENS	FREQ.	MAX. PERMISS. EXP.	FRACTION MPE	Total
*T-Mobile LTE	2	24	167.5	0.0006	2100	1.0000	0.06%	
*T-Mobile GSM/UMTS	2	12	167.5	0.0003	1950	1.0000	0.03%	
*T-Mobile UMTS	2	12	167.5	0.0003	2100	1.0000	0.03%	
*Clearwire	2	153	127	0.0068	2496	1.0000	0.68%	
*Clearwire	1	211	127	0.0047	11 GHz	1.0000	0.47%	
*Pocket (now MetroPCS)	3	631	137	0.0363	2130	1.0000	3.63%	
*AT&T UMTS	2	565	148	0.0185	880	0.5867	3.16%	
*AT&T UMTS	2	875	148	0.0287	1900	1.0000	2.87%	
*AT&T GSM	1	283	148	0.0046	880	0.5867	0.79%	
*AT&T GSM	4	525	148	0.0345	1900	1.0000	3.45%	
*AT&T LTE	1	1615	148	0.0265	734	0.4893	5.42%	
Verizon PCS	7	498	157	0.0509	1970	1.0000	5.09%	
Verizon Cellular	9	406	157	0.0533	869	0.5793	9.20%	
Verizon AWS	1	1750	157	0.0255	2145	1.0000	2.55%	
Verizon 700	1	840	157	0.0123	698	0.4653	2.63%	40.07%
* Source: Siting Council								

ATTACHMENT 3



FDH Engineering, Inc., 6521 Meridien Dr. Raleigh, NC 27616, Ph. 919.755.1012, Fax 919.755.1031

**Structural Analysis for
SBA Network Services, Inc.**

169' Monopole Tower

**SBA Site Name: Woodbridge
SBA Site ID: CT13071-A-04
Verizon Site Name: Woodbridge**

FDH Project Number 13SCPL1400

Analysis Results

Tower Components	93.7%	Sufficient
Foundation	99.6%	Sufficient

Prepared By:

Logan Poe, EI
Project Engineer

Reviewed By:

Christopher M. Murphy, PE
President
CT PE License No. 25842

FDH Engineering, Inc.
6521 Meridien Dr.
Raleigh, NC 27616
(919) 755-1012
info@fdh-inc.com

September 27, 2013



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EXECUTIVE SUMMARY

At the request of SBA Network Services, Inc., FDH Engineering, Inc. performed a structural analysis of the monopole located in Ansonia, 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* and *2005 Connecticut State Building Code*. Information pertaining to the existing/proposed antenna loading, current tower geometry, soil parameters, foundation dimensions, and member sizes was obtained from:

- Sabre Tower and Poles (Job No. 08-01016) Structural Design Report dated January 30, 2008
- Sabre Communications Corporation (Job No. 08-01016) Erection Drawings dated February 1, 2008
- FDH, Inc. (Project No. 08-07136T) TIA Inspection Report dated September 9, 2008
- JGI Eastern, Inc. (Project No. J2085109) Geotechnical Evaluation dated January 29, 2008
- SBA Network Services, Inc.

The basic design wind speed per the *TIA/EIA-222-F* standards and *2005 Connecticut State Building Code* is 85 mph without ice and 38 mph with 3/4" radial ice. Ice is considered to increase in thickness with height.

Conclusions

With the existing and proposed antennas from Verizon in place at 157 ft., the tower meets the requirements of the *TIA/EIA-222-F* standards and *2005 Connecticut State Building Code* provided the **Recommendations** listed below are satisfied. Furthermore, provided the foundation was designed and constructed per the original design drawings (see Sabre Job No. 08-01016) and given existing soil parameters (see JGI Eastern, Inc. Project No. J2085109), the foundation should have the necessary capacity to support both the proposed and existing 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.

Recommendations

To ensure the requirements of the *TIA/EIA-222-F* standards and *2005 Connecticut State Building Code* are met with the existing and proposed loading in place, we have the following recommendations:

1. Proposed coax should be installed inside the pole's shaft.
2. The proposed TMAs should be installed directly behind the proposed panel antennas.

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 the layout, FDH Engineering, Inc. should be contacted to perform a revised analysis.*

Table 1 - Appurtenance Loading

Existing Loading:

Antenna Elevation (ft)	Description	Coax and Lines ¹	Carrier	Mount Elevation (ft)	Mount Type
167.5	(3) Ericsson Air21 B2A/B4P (3) Ericsson Air21 B4A/B2P (3) Ericsson KRY 112/114 TMAs	(12) 1-5/8" (1) 1-5/8" Fiber	T-Mobile	167.5	(3) 4' T-Arms
157 ²	(4) Decibel DB846F65ZAXY (2) Decibel DB846H80E-SX (6) Antel LPA-185063/12CF (1) Antel BXA-70063/6CF (2) Swedcom SLCP 2X6014 (1) GPS	(18) 1-5/8" (1) 1/2"	Verizon	157	(3) T-Arms
150	(6) Ericsson RRUS 11 RRUs (1) Raycap DC6-48-60-18-8F Surge Arrestor	(12) 1-5/8" (1) 10mm Fiber (2) DC Power	AT&T	150	(1) Andrew MTC3335 Collar Mount
148	(6) Powerwave 7770 (3) KMW AM-X-CD-16-65-00T (6) Powerwave LGP21401 TMAs (6) Powerwave LGP13519 Diplexers			148	(3) T-Arms
137	(3) RFS APXV18-206517S-C	(6) 1-5/8"	Pocket	137	(3) Pipe Mounts
127	(3) Argus LLPX310R (3) Samsung 2.5Ghz RRH BTSS (3) Andrew VHLP2-11 Dishes (1) Andrew VHLP800-11 Dish	(3) 5/16" (4) 1/2" (3) 5/8" (3) 1/4"	Clearwire	127	(3) 12' T-Arms

1. Coax installed inside the pole shaft unless otherwise noted.
2. Verizon may install (6) 1-5/8" coax outside the pole in a single row to 157'.

Proposed Loading:

Antenna Elevation (ft)	Description	Coax and Lines	Carrier	Mount Elevation (ft)	Mount Type
157 ¹	(4) Decibel DB846F65ZAXY (2) Decibel DB846H80E-SX (6) Antel LPA-185063/12CF (1) Antel BXA-70063/6CF (1) Swedcom SLCP 2X6014 (1) Antel BXA 70063/6BF (1) GPS	(18) 1-5/8" (1) 1/2"	Verizon	157	(3) T-Arms

1. Verizon may install (6) 1-5/8" coax outside the pole in a single row to 157'.

RESULTS

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

Table 2 - Material Strength

Member Type	Yield Strength
Tower Shaft Sections	65 ksi
Base Plate	60 ksi
Anchor Bolts	75 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. *Note: Capacities up to 100% are considered acceptable.* **Table 4** displays the maximum foundation reactions. **Table 5** displays the maximum antenna rotations at service wind speed (dishes only).

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 - Summary of Working Percentage of Structural Components

Section No.	Elevation ft	Component Type	Size	% Capacity*	Pass Fail
L1	169 - 139	Pole	TP30x24x0.1875	38.7	Pass
L2	139 - 89.25	Pole	TP39.58x28.875x0.25	93.7	Pass
L3	89.25 - 40.75	Pole	TP48.78x38.0795x0.375	82.8	Pass
L4	40.75 - 0	Pole	TP56.18x46.7799x0.4375	80.6	Pass
		Anchor Bolts	(16) 2.25" Ø on a 62.75" B.C.	88.7	Pass
		Base Plate	PL 3" Thk. x 61.25" Sq.	65.6	Pass

*Capacities include 1/3 allowable stress increase for wind per TIA/EIA-222-F standards.

Table 4 - Maximum Base Reactions

Base Reactions	Current Analysis* (TIA/EIA-222-F)	Original Design (ANSI/TIA-222-G)
Axial	41 k	60 k
Shear	31 k	44 k
Moment	3,671 k-ft	4,977 k-ft

*Foundation determined adequate per independent analysis.

Table 5 - Maximum Antenna Rotations at Service Wind Speed

Centerline Elevation (ft)	Antenna	Tilt (deg)*	Twist (deg)*
127	(3) Andrew VHLP2-11 Dishes (1) Andrew VHLP800-11 Dish	1.7676	0.0034

*Allowable tilt and twist values to be determined by the carrier.

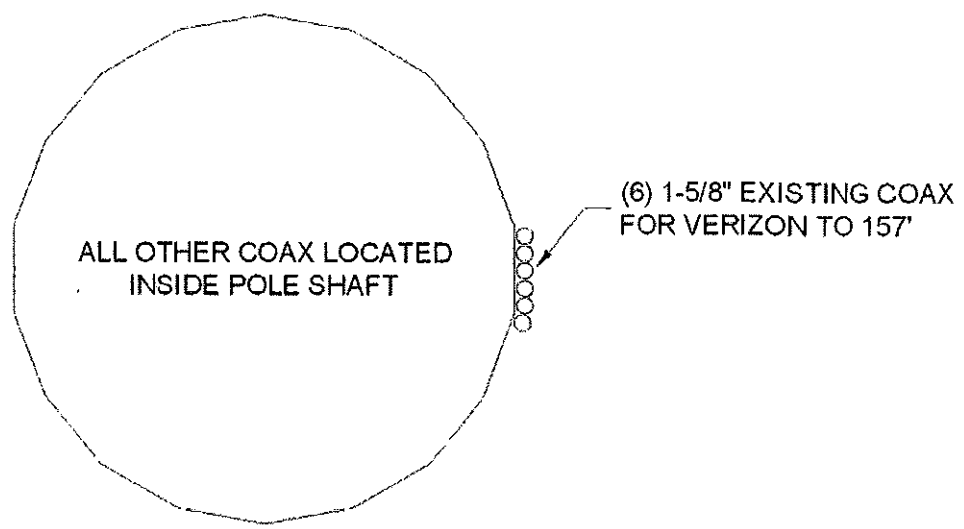
GENERAL COMMENTS

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.

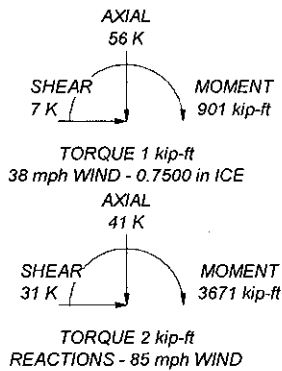
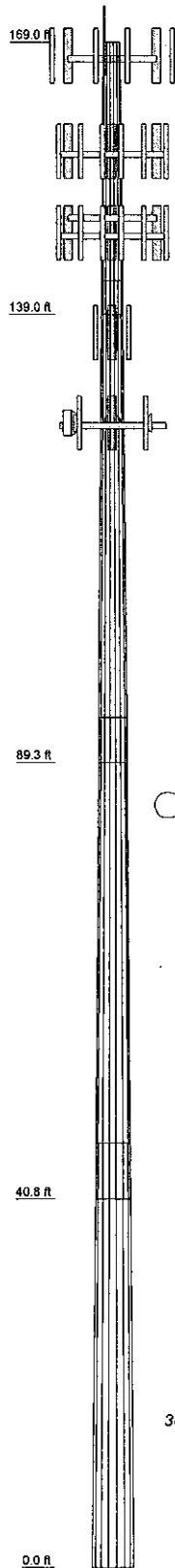
APPENDIX



- = EXISTING
- ⊗ = FUTURE
- = PROPOSED

Figure 1 - Assumed Coax Layout

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	30.00	18	0.1875	3.75	24.0000	30.0000	A572-65	1.6
2	53.50	18	0.2500	5.00	28.8750	39.5800	A572-65	4.9
3	53.50	18	0.3750	6.25	38.0795	48.7800	A572-65	9.3
4	47.00	18	0.4375	46.7799	56.1800	11.3	A572-65	27.2



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Lightning Rod	169	(1) Andrew TMC3335 Collar Mount MNT	160
AIR 21 B2A/B4P w/Mount Pipe	167.5	(2) LGP 13519 Diplexer	148
AIR 21 B2A/B4P w/Mount Pipe	167.5	(2) LGP 13519 Diplexer	148
AIR 21 B2A/B4P w/Mount Pipe	167.5	(2) LGP 13519 Diplexer	148
AIR 21 B4A/B2P w/Mount Pipe	167.5	(3) T-Arms	148
AIR 21 B4A/B2P w/Mount Pipe	167.5	(2) 7770 w/Mount Pipe	148
AIR 21 B4A/B2P w/Mount Pipe	167.5	(2) 7770 w/Mount Pipe	148
KTY 112-114	167.5	AM-X-CD-16-65-00T w/ Mount Pipe	148
KTY 112-114	167.5	AM-X-CD-16-65-00T w/ Mount Pipe	148
KTY 112-114	167.5	AM-X-CD-16-65-00T w/ Mount Pipe	148
(3) 4' T-Arms	167.5	AM-X-CD-16-65-00T w/ Mount Pipe	148
(2) DB846F65ZAXY w/Mount Pipe	157	(2) LGP 21401 TMA	148
(2) DB846F65ZAXY w/Mount Pipe	157	(2) LGP 21401 TMA	148
(2) DB846H80E-GX w/Mount Pipe	157	(2) LGP 21401 TMA	148
(2) LPA-185063/12CF w/ mount pipe	157	(2) 7770 w/Mount Pipe	148
(2) LPA-185063/12CF w/ mount pipe	157	APXV18-206517 w/ mount pipe	137
(2) LPA-185063/12CF w/ mount pipe	157	APXV18-206517 w/ mount pipe	137
BXA-70063/6CF w/ mount pipe	157	APXV18-206517 w/ mount pipe	137
BXA-70063/6CF w/ Mount Pipe	157	LLPX310R w/ mount pipe	127
(3) T-Arms	157	LLPX310R w/ mount pipe	127
GPS	157	2.5 Ghz RRH BTS	127
SLCP 2X8014 w/Mount Pipe	157	2.5 Ghz RRH BTS	127
(2) RRUS 11 RRU	150	2.5 Ghz RRH BTS	127
(2) RRUS 11 RRU	150	(3) 12' T-Arms	127
(2) RRUS 11 RRU	150	LLPX310R w/ mount pipe	127
DC6-48-60-18-8F Surge Arrestor	150	VHLP800-11	127
(2) Pipe Mount	150	VHLP2-11	127
(2) Pipe Mount	150	VHLP2-11	127
(2) Pipe Mount	150	VHLP2-11	127

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in New Haven 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: 93.7%

 Tower Analysis	FDH Engineering, Inc. 6521 Meridien Drive Raleigh, NC 27616 Phone: 919-7551012 FAX: 919-7552031	Job: Woodbridge, CT13071-A-01 Project: 13SCPU1400 Client: SBA Network Services, Inc. Code: TIA/EIA-222-F Path:	Drawn by: Logan Poe Date: 09/27/13 Scale: NTS Dwg No. E-1
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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@ct.gov

www.ct.gov/csc

October 29, 2013

The Honorable James T. DellaVolpe
Mayor
City of Ansonia
City Hall
253 Main Street
Ansonia, CT 06401-1866

RE: **EM-VER-002-131028** -- Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 1 Deerfield Lane, Ansonia, Connecticut.

Dear Mayor DellaVolpe:

The Connecticut Siting Council (Council) received a request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72, a copy of which has already been provided to you.

If you have any questions or comments regarding the proposal, please call me or inform the Council by November 12, 2013.

Thank you for your cooperation and consideration.

Very truly yours,

Melanie Bachman
Acting Executive Director

MB/jb

c: James Tanner, Zoning Enforcement Officer, City of Ansonia