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

Internet: ct.gov/csc

Daniel F. Caruso
Chairman

September 3, 2008

Steven L. Levine
Real Estate Consultant
New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: **EM-CING-069-080508** – New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 246 East Franklin Street, Killingly, Connecticut.

Dear Mr. Levine:

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 applicant shall take steps to reduce the post-construction tower rating to not more than 100 percent; and
- A signed letter from a Professional Engineer duly licensed in the State of Connecticut shall be submitted to the Council to certify that the post-construction tower rating of not more than 100 percent has been achieved.

The proposed modifications are to be implemented as specified here and in your notice dated May 8, 2008, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. 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. 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,

S. Derek Phelps
Executive Director

SDP/MP

c: Honorable Janice Thurlow, Town Council Chairman, Town of Killingly
Bruce E. Benway, Town Manager, Town of Killingly
Roger Gandolf, Zoning Officer, Town of Killingly
SBA
Christopher B. Fisher, Esq., Cuddy & Feder LLP

STATE OF CONNECTICUT

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Daniel F. Caruso
Chairman

June 17, 2008

Steven L. Levine
Real Estate Consultant
New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: **EM-CING-069-080508** – New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 246 East Franklin Street, Killingly, Connecticut.

Dear Mr. Levine:

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.

The proposed modifications are to be implemented as specified here and in your notice dated May 8, 2008, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. 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. 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,

S. Derek Phelps
Executive Director

SDP/MP

c: Honorable Janice Thurlow, Town Council Chairman, Town of Killingly
Bruce E. Benway, Town Manager, Town of Killingly
Roger Gandolf, Zoning Officer, Town of Killingly
SBA

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
Ten Franklin Square, New Britain, CT 06051
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Internet: ct.gov/csc

Daniel F. Caruso
Chairman

May 13, 2008

The Honorable Janice Thurlow
Chairman Town Council
Town of Killingly
Town Office Building
172 Main Street
P. O. Box 6000
Danielson, CT 06239-6000

RE: **EM-CING-069-080508** – New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 246 East Franklin Street, Killingly, Connecticut.

Dear Ms. Thurlow:

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.

If you have any questions or comments regarding this proposal, please call me or inform the Council by May 27, 2008.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps FAC

S. Derek Phelps
Executive Director

SDP/jb

Enclosure: Notice of Intent

c: Roger Gandolf, Zoning Officer, Town of Killingly
Bruce E. Benway

New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7636
Fax: (860) 513-7190

Steven L. Levine
Real Estate Consultant

EM-CING-069-080508

ORIGINAL

HAND DELIVERED

May 8, 2008

Honorable Daniel F. Caruso, Chairman,
and Members of the Connecticut Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 246 East Franklin Street, Killingly (Danielson) (owner SBA)

Dear Chairman Caruso and Members of the Council:

To enhance system performance in the State of Connecticut, New Cingular Wireless PCS, LLC ("Cingular") plans to "dual band" the referenced site. This involves installing new antennas and associated equipment at the cell site to enable transmissions in the 850 MHz band as well as the 1900 MHz band.

Please accept this letter and attachments as notification, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter and attachments is being sent to the chief elected official of the municipality in which the affected cell site is located.

Attached is a summary of the planned modifications, including power density calculations reflecting the change in Cingular's operations at the site. Also included is documentation of the structural sufficiency of the tower to accommodate the revised antenna configuration.

The changes to the facility do not constitute modifications as defined in Connecticut General Statutes ("C.G.S.") Section 16-50i(d) because the general physical characteristics of the facility will not be significantly changed or altered. Rather, the planned changes to the facility fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(b)(2).

1. The height of the overall structure will not be affected. Modifications to the existing site include all or some of the following as necessary to bring the site into conformance with the plan:

- Replacement of existing panel antennas with new antennas of similar size, shape, and weight, or, installation of additional antennas of similar size, shape, and weight.
- Installation of small tower mount amplifiers ("TMA's") and/or diplexers to the platform on which the panel antennas are mounted to enhance signal reception.
- Installation of additional or larger coaxial cables as required.
- Installation of an additional equipment cabinet in existing shelters, or on existing or enlarged concrete pads.

None of these modifications will extend the height of the tower.

2. The proposed changes will not extend the site boundaries. There will be no effect on the site compound other than some enlarged equipment pads as may be noted in the attachments.

3. The proposed changes will not increase the noise level at the existing facility by six decibels or more.

4. Radio frequency power density may increase due to the addition of the 850 MHz transmissions. However, the changes will not increase the calculated "worst case" power density for the combined operations at the site to a level at or above the applicable standard for uncontrolled environments as calculated for a mixed frequency site.

For the foregoing reasons, Cingular Wireless respectfully submits that the proposed changes at the referenced site constitute exempt modifications under R.C.S.A. Section 16-50j-72(b)(2).

Please feel free to call me at (860) 513-7636 with questions concerning this matter. Thank you for your consideration.

Sincerely,

Steven L. Levine
Real Estate Consultant

Attachments

CINGULAR WIRELESS
Dual Banding Equipment Modification

246 East Franklin Street, Killingly (Danielson)
Site Number 5483
Former AT&T Site
Exempt Modification approved 7/11/02

Tower Owner/Manager: SBA

Equipment Configuration: Monopole

Current and/or Approved: Three Allgon 7184 Panel Antennas @ 127 ft c.l.
Six TMA's @ 127 ft
Six 1 5/8 inch coax cables

Planned Modifications: Remove existing antennas and ring mount
Install new side-arm mounts
Install 6 Powerwave 7770 antennas (or equivalent) @ 127 ft
Install six TMA's and six diplexers @ 127 ft
Install six additional runs 1 5/8 inch coax cable

Power Density:

Worst-case calculations for existing wireless operations at the site indicate a radio frequency electromagnetic radiation power density, measured at ground level beside the tower, of approximately 17.4 % of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density following proposed modifications would be approximately 14.9 % of the standard.

Existing

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm^2)	Standard Limits (mW/cm^2)	Percent of Limit
Other Users *							10.75
Cingular GSM	127	1900 Band	12	250	0.0669	1.0000	6.69
Total							17.4%

* Per CSC records

Proposed

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm^2)	Standard Limits (mW/cm^2)	Percent of Limit
Other Users *							10.75
Cingular GSM	127	1900 Band	2	427	0.0190	1.0000	1.90
Cingular GSM	127	880 - 894	2	296	0.0132	0.5867	2.25
Total							14.9%

* Per CSC records

Structural information:

The attached structural analysis demonstrates that the tower and foundation have sufficient structural capacity to accommodate the proposed modifications. (Vertical Structures, 5/6/08)

The new at&t Your world. Delivered. cingular raising the bar

New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7636
Fax: (860) 513-7190

Steven L. Levine
Real Estate Consultant

May 8, 2008

Mr. Bruce Benway
Town Manager, Town of Killingly
Town Hall 172 Main Street
Killingly, CT 06239

Re: Telecommunications Facility – 79 Putnam Pike, Killingly (Danielson)

Dear Mr. Benway:

To enhance system performance in the State of Connecticut, New Cingular Wireless PCS, LLC ("Cingular") plans to "dual band" the referenced site to enable transmissions in the 850 Mhz band as well as the 1900 MHz band. This involves changing Cingular's equipment configuration at the site.

As required by Regulations of Connecticut State Agencies ("R.C.S.A.") Section 16-50j-73, the Connecticut Siting Council has been notified of the changes and will review Cingular's proposal. Please accept this letter as notification under Section 16-50j-73 of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2).

The accompanying letter to the Siting Council fully describes Cingular's proposal for the referenced cell site. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please call me at (860) 513-7636 or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

Steven L. Levine
Real Estate Consultant

Enclosure

May 6, 2008

Mr. Mark Luther
SBA Communications
723 Highland Ave
Clarks Green, PA 18411
(570) 561-3200

Subject: **Structural Analysis Report**
AT&T Mobility Change-Out
SBA Site Name: Danielson, CT
SBA Site Number: CT-00302-S
155' Nudd M-200 Monopole Tower
Vertical Structures Job Number: 2008-007-013

Dear Mr. Luther,

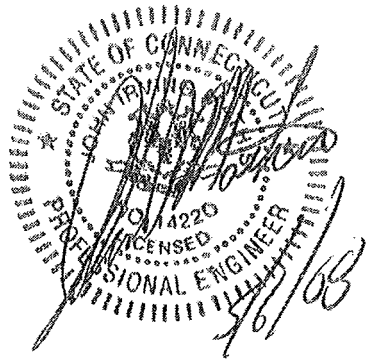
Vertical Structures is pleased to provide you with the results of the structural analysis performed on the 155' tall monopole tower at the Danielson site in Connecticut. The purpose of the analysis was to determine the suitability of the tower upon replacing three (3) existing Allgon 7184 panel antennas and six (6) existing TMAs mounted on three (3) existing sidearms at 127' with six (6) proposed Powerwave 7770 panel antennas, six (6) proposed Powerwave LGP21401 TMAs, and six (6) proposed LGP21903 Diplexers mounted on a proposed 14' L.P. platform for AT&T Mobility when combined with the existing and reserved equipment on the structure. This analysis has been performed in accordance with the TIA/EIA-222-F standard and local code requirements based upon an 85 MPH basic "fastest mile" wind speed, equivalent to a 105 MPH basic "3-second gust" wind speed per IBC Table 1609.3.1.

Based on our analysis we have determined the tower superstructure and foundation are sufficient for the proposed loading.

Vertical Structures appreciates the opportunity to provide this report and our continuing professional services. If you have any questions or need further assistance on this or any other projects please give us a call.

Respectfully submitted,

Jordan Kays
Project Engineer



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INTRODUCTION

The subject tower is located in Danielson, Connecticut. The 155' Nudd M-200 monopole tower was designed and manufactured by Fred A. Nudd Corporation for SBA in 1998. The existing structure consists of four (4) 12-sided tapered polygonal tubes joined via slip joint connections. The tower is founded on a 33' square by 3'-6" thick mat bearing 4' below grade. The tower was previously reworked in 2002 to accommodate additional loading.

ANALYSIS CRITERIA

The Danielson monopole tower was analyzed in accordance with the current EIA-222-F publication, "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures." The proposed, existing, and reserved antennas, cables and mounts considered in this analysis are listed in Table 1. Applied forces in this study were derived from an 85 MPH basic "fastest mile" wind speed with no ice and a reduced 74 MPH basic "fastest mile" wind speed with a 1/2" of radial ice accumulation. The tower was originally designed for an 85 MPH basic "fastest mile" wind speed with no ice and a reduced 74 MPH basic "fastest mile" wind speed with a 1/2" of radial ice accumulation. The original design loads are listed in Table 2. All cables are assumed to be routed in accordance with the drawing in Appendix B.

Table 1 – Proposed and Existing Loads

Mount Elevation	Carrier Name	Status	Antennas	Mounts	Feedlines
155'	Verizon Wireless	Existing	(6) Antel LPA-185080/12CF_2 Panels	14' L.P. Platform	(12) 1 5/8" Coax
			(6) Decibel DB844H80E-XY Panels		
147'	Sprint	Existing	(6) Decibel DB980H90E-M Panels	14' L.P. Platform	(6) 1 5/8" Coax
137'	T-Mobile	Existing	(4) Dapa 59212 Panels	14' L.P. Platform	(4) 1 5/8" Coax
		Reserved	(2) Dapa 59212 Panels		(2) 1 5/8" Coax
127'	**AT&T Mobility**	**Remove**	**(3) Allgon 7184 Panels**	**(3) 2' Sidearms**	
			(6) TMAs		
		Existing			(6) 1 5/8" Coax
		Proposed	**(6) Powerwave 7770 Panels**	**14' L.P. Platform**	**(6) 1 5/8" Coax**
			(6) Powerwave LGP21401 TMAs		
			(6) Powerwave LGP21903 Diplexers		
80'	Sprint	Existing	(1) GPS Antenna	(1) 4' Sidearm	(1) 1/2" Coax

Table 2 – Original Design Loads

Mount Elevation	Carrier Name	Status	Antennas	Mounts	Feedlines
157'	Co-Lo	Design	(12) Decibel DB896 Panels	14' L.P. Platform	(12) 2 1/4" Coax
147'	Co-Lo	Design	(12) Decibel DB896 Panels	14' L.P. Platform	(12) 2 1/4" Coax
137'	Co-Lo	Design	(12) Decibel DB896 Panels	14' L.P. Platform	(12) 2 1/4" Coax
127'	Co-Lo	Design	(12) Decibel DB896 Panels	14' L.P. Platform	(12) 2 1/4" Coax

ANALYSIS PROCEDURE

Table 3 – Resources Utilized

Resource	Remarks
Proposed Loads	SBA E-mail
Existing Loads	SBA E-mail
Tower Drawings	Nudd Drawing No. 98-6410-1
Foundation Drawings	Nudd Drawing No. 98-6410-4
Geotechnical Report	Jaworski Geotech Project No. C98423G
Rework Drawings	Vertical Structures Job No. 2002-007-001

Analysis Methods

RISA Tower (Version 5.1), a commercially available software program, was used to create a three-dimensional model of the tower and calculate member stresses for various dead, live, wind, and ice load cases. All loads were computed in accordance with the ANSI/TIA/EIA-222-F or the local building code requirements. Selected output from the analysis is included in Appendix A.

Assumptions

1. Tower and structures were built in accordance with the manufacturer's specifications.
2. The tower and structures have been maintained in accordance with manufacturer's specifications.
3. The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Table 1 and any referenced drawings.
4. When applicable, transmission cables are considered to be structural components for calculating wind loads, as allowed by TIA/EIA-222-F.

If any of these assumptions are not valid or have been made in error, this analysis may be affected, and Vertical Structures should be allowed to review any new information to determine its effect on the structural integrity of the tower.

ANALYSIS RESULTS

The Danielson tower superstructure is found to be adequate for the intended loading at the wind and ice conditions considered. Calculated foundation reactions are within the original design limits. Table 4 summarizes the condition of the tower. Capacities up to 105% are considered acceptable based on the analysis procedures used.

Table 4 – Tower Component Capacities

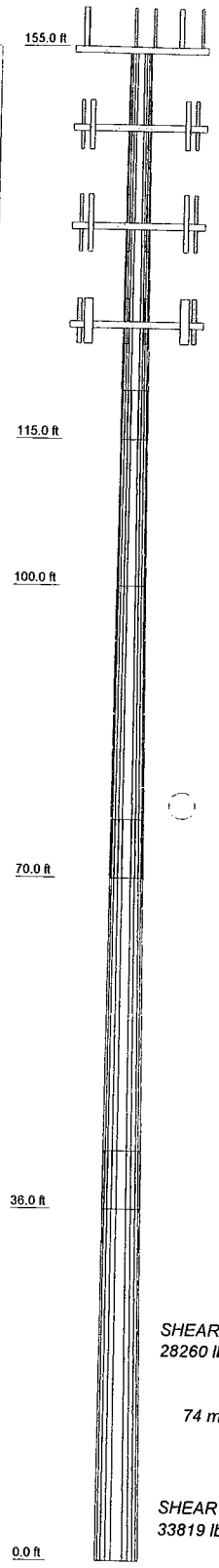
Section Number	Elevation	Percent Capacity Used		
		Pole	Flange Plate	Splice Bolts
1	155' – 115'	57.1	-	-
2 – 3	115' – 70'	95.5	-	-
4	70' – 36'	100.0*	-	-
5	36' – 0'	103.2*	-	-
Anchor Bolts – Tension		95.7		
Base Plate & Gusset – Bending		100.4		
Foundation – Moment		99.1		

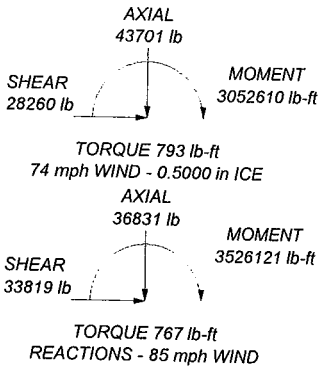
*Indicates percent capacity used is adjusted to account for actual Fy = 53 ksi.

APPENDIX A

Section	1	2	3	4	5
Length (ft)	40.00	20.00	30.00	40.00	42.00
Number of Sides	12	12	12	12	12
Thickness (in)	0.2500	0.2500	0.3125	0.3750	0.4331
Lap Splice (ft)	5.00		6.00	6.00	
Top Dia (in)	26.1250	32.3427	36.1815	40.1629	45.9387
Bot Dia (in)	33.8024	36.1815	41.9395	47.8403	54.0000
Grade	A572-50			A139-52	
Weight (lb)	3255.7	1863.4	3980.3	7170.2	9872.4

26142.0





DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Nudd 14' Low Profile Platform (VSI)	155	6' x 2" Antenna Mount Pipe (VSI)	137
(2) DB844H80E-XY w/Mount Pipe	155	6' x 2" Antenna Mount Pipe (VSI)	137
(2) DB844H80E-XY w/Mount Pipe	155	6' x 2" Antenna Mount Pipe (VSI)	137
(2) DB844H80E-XY w/Mount Pipe	155	14' Low-Profile Platform (ATT Mobility)	127
(2) LPA-185080/12CF_2 w/ mount pipe	155	(2) 7770.00 w/ mount pipe (ATT Mobility)	127
(2) LPA-185080/12CF_2 w/ mount pipe	155	(2) 7770.00 w/ mount pipe (ATT Mobility)	127
(2) LPA-185080/12CF_2 w/ mount pipe	155	(2) 7770.00 w/ mount pipe (ATT Mobility)	127
Nudd 14' Low Profile Platform (VSI)	147	(2) LGP21401 TMA (VSI) (ATT Mobility)	127
(2) DB980H90E-M w/Mount Pipe	147		
(2) DB980H90E-M w/Mount Pipe	147	(2) LGP21401 TMA (VSI) (ATT Mobility)	127
(2) DB980H90E-M w/Mount Pipe	147		
6' x 2" Antenna Mount Pipe (VSI)	147	(2) LGP21401 TMA (VSI) (ATT Mobility)	127
6' x 2" Antenna Mount Pipe (VSI)	147		
6' x 2" Antenna Mount Pipe (VSI)	147	(2) LGP21903 TMA (ATT Mobility)	127
Nudd 14' Low Profile Platform (VSI)	137	(2) LGP21903 TMA (ATT Mobility)	127
(2) 59212 w/Mount Pipe	137	(2) LGP21903 TMA (ATT Mobility)	127
(2) 59212 w/Mount Pipe	137	4' Sidearm (4" single tube) (VSI)	80
(2) 59212 w/Mount Pipe	137	Generic GPS (VSI)	80

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A139-52	52 ksi	66 ksi

TOWER DESIGN NOTES

1. Tower is located in Windham 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 74 mph basic wind with 0.50 in ice.
4. Deflections are based upon a 50 mph wind.
5. TOWER RATING: 105.2%

Vertical Structures
309 Spangler Drive, Suite E
Richmond, KY 40475
Phone: (859) 624-8360
FAX: (859) 624-8369

Job: Danielson, CT (CT-00302-S)		
Project: Vertical Structures Job No. 2008-007-013		
Client: SBA	Drawn by: Jordan Kays	App'd:
Code: TIA/EIA-222-F	Date: 05/06/08	Scale: NTS
Path: \\Nas1\jkays\Open Jobs\Danielson, CT 007-013\RISA\Danielson.eri		Dwg No. E-1