Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts

March 20, 2020

Via Electronic Mail

Melanie A. Bachman, Esq.
Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Notice of Exempt Modification – Facility Modification**
55 Coogan Boulevard, Mystic (Stonington), Connecticut

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a small cell wireless facility at 55 Coogan Boulevard in Mystic, Connecticut (the "Property"). The facility consists of a single canister antenna and two (2) remote radio heads ("RRHs") attached to a tower mast on the roof of the Mystic Aquarium building. Equipment associated with this small cell facility is located on the ground, adjacent to the building, within a fenced enclosure. The Property is owned by Sea Research Foundation Inc. and Mystic Marinelife Aquarium. The Council approved this installation on July 23, 2015 in Petition No. 1164. A copy of the Council's Decision and Staff Report for Petition No. 1164 is included in Attachment 1.

Cellco now intends to replace the existing cannister antenna and one RRH with new equipment. Included in Attachment 2 are plans and specifications for Cellco's new antenna and RRH.

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 Stonington's First Selectman, Danielle Chesebrough; Keith Brynes, Stonington's Acting Director of Planning; and Sea Research Foundation Inc., the Property owner.

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 mast and antenna installation.

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 installation of a new antenna and RRHs will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A General Power Density table for Cellco's modified facility is included in Attachment 3.

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. The building façade can support Cellco's proposed modifications. (*See* Structural Letter included in Attachment 4).

7. A copy of the parcel map and property owner information is included in Attachment 5. A stamped Certificate of Mailing verifying that this filing was sent to municipal officials and the owner of the Property is included in Attachment 6.

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:
Danielle Chesebrough, Stonington First Selectman
Keith Brynes, Stonington Acting Director of Planning
Sea Research Foundation Inc.
Tim Parks

ATTACHMENT 1

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

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

July 27, 2015

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597

RE: **PETITION NO. 1164** - Cellco Partnership d/b/a Verizon Wireless petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed installation of a small cell telecommunications facility on an existing commercial building at Mystic Aquarium located at 55 Coogan Boulevard, Mystic (Stonington), Connecticut.

Dear Attorney Baldwin:

At a public meeting held on July 23, 2015, the Connecticut Siting Council (Council) considered and ruled that the above-referenced proposal would not have a substantial adverse environmental effect, and pursuant to Connecticut General Statutes § 16-50k, would not require a Certificate of Environmental Compatibility and Public Need with the following conditions:

- Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed within three years from the date of the mailing of the Council's decision, this decision shall be void, and the facility owner/operator shall dismantle the facility and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's decision shall not be counted in calculating this deadline. Authority to monitor and modify this schedule, as necessary, is delegated to the Executive Director. The facility owner/operator shall provide written notice to the Executive Director of any schedule changes as soon as is practicable.

- Any request for extension of the time period to fully construct the facility shall be filed with the Council not later than 60 days prior to the expiration date of this decision and shall be served on all parties and intervenors, if applicable, and the Town of Stonington.

- Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;

- Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by the Petitioner shall be removed within 60 days of the date the antenna ceased to function;

- The facility owner/operator shall remit timely payments associated with annual assessments and invoices submitted by the Council for expenses attributable to the facility under Conn. Gen. Stat. §16-50v;

- This Declaratory Ruling may be transferred, provided the facility owner/operator/transferor is current with payments to the Council for annual assessments and invoices under Conn. Gen. Stat. §16-50v and the transferee provides written confirmation that the transferee agrees to comply with the terms, limitations and conditions contained in the Declaratory Ruling, including timely payments to the Council for annual assessments and invoices under Conn. Gen. Stat. §16-50v; and

- If the facility owner/operator is a wholly owned subsidiary of a corporation or other entity and is sold/transferred to another corporation or other entity, the Council shall be notified of such sale and/or transfer and of any change in contact information for the individual or representative responsible for management and operations of the facility within 30 days of the sale and/or transfer.

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction. All work is to be implemented as specified in the petition dated June 15, 2015.

Enclosed for your information is a copy of the staff report on this project.

Very truly yours,

Robert Stein MHB

Robert Stein
Chairman

RS/RM/lm

Enclosure: Staff Report dated July 23, 2015

c: The Honorable George Crouse, First Selectman, Town of Stonington
Keith Brynes, Town Planner, Town of Stonington
Sea Research Foundation Inc.

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

Petition No. 1164
Cellco Partnership d/b/a Verizon Wireless
Stonington, Connecticut
Staff Report
July 23, 2015

On June 15, 2015, Cellco Partnership d/b/a Verizon Wireless (Cellco) submitted a petition (Petition) to the Connecticut Siting Council (Council) for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed installation of a "small cell" telecommunications facility at 55 Coogan Boulevard in the Mystic section of Stonington, Connecticut. Notice of the Petition was provided to the Town of Stonington, the property owner, and abutting property owners. No comments have been received to date.

Cellco is experiencing a high volume of data traffic in the area of the proposed site; a heavily developed commercial area along Interstate 95 that includes a shopping center, several restaurants and hotels, and the Mystic Aquarium. Although Cellco currently has three existing facilities within two miles of the site, none of these sites provide adequate 2100 MHz service to the area. The proposed site would provide service to existing 2100 MHz service gaps in the area as well as data capacity relief to adjacent sites.

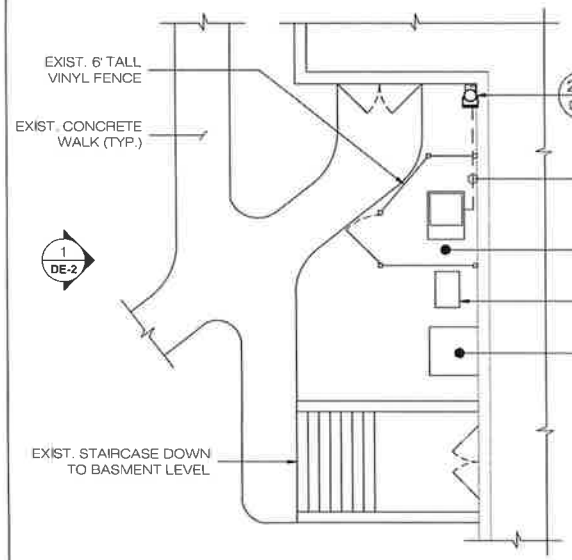
The proposed "small cell" facility consists of a single canister antenna and a remote radio head mounted on a mast attached to the roof of a building at the Mystic Aquarium complex. The overall height of the small cell facility would extend 8.5 feet above the roof. Ground equipment serving the antenna would be installed on a concrete pad adjacent to the west side of the building. Power and telephone service would be connected to existing service inside the building.

The maximum worst-case power density from site operation would be 5.1 percent of the applicable limit.

The proposed small cell installation would have no significant adverse visual impact as it resembles existing building materials and is located in a commercial area.

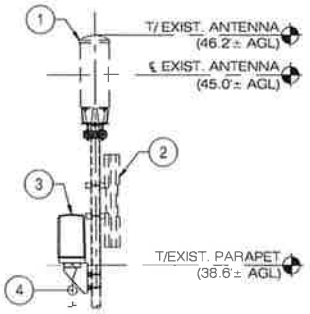
Photo-simulation from Claire Drive.

ATTACHMENT 2



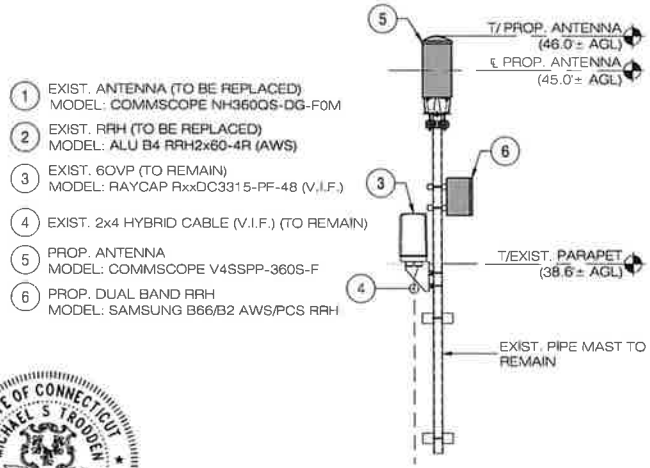
1 DE-2 PARTIAL SITE PLAN

SCALE: 1" = 10'-0"



2 DE-1 EXIST. EQUIP. MOUNTING CONFIG.

SCALE: ¼" = 1'-0"



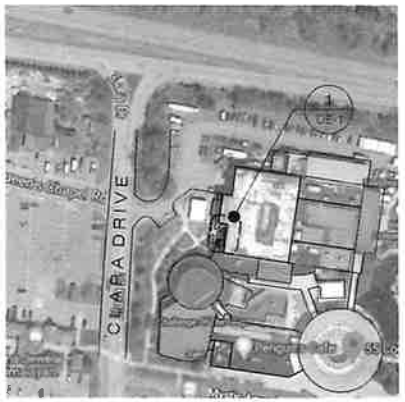
1. EXIST. ANTENNA (TO BE REPLACED) MODEL: COMMSCOPE NH360QS-DG-F0M
2. EXIST. RRH (TO BE REPLACED) MODEL: ALU B4 RRH2x60-4R (AWS)
3. EXIST. 6OVP (TO REMAIN) MODEL: RAYCAP RxxDC3315-PF-48 (V.I.F.)
4. EXIST. 2x4 HYBRID CABLE (V.I.F.) (TO REMAIN)
5. PROP. ANTENNA MODEL: COMMSCOPE V4SSPP-360S-F
6. PROP. DUAL BAND RRH MODEL: SAMSUNG B66/B2 AWS/PCS RRH

3 DE-1 PROP. EQUIP. MOUNTING CONFIG.

SCALE: ¼" = 1'-0"

NOTES:

1. DESIGN EXHIBIT DRAWINGS ARE DIAGRAMMATIC IN NATURE AND CONVEY GENERAL INFORMATION PERTAINING TO THE SIZE AND LOCATION OF THE PROPOSED WIRELESS EQUIPMENT UPGRADE.
2. BASE MAPPING FROM FIELD MEASUREMENTS TAKEN BY ALL-POINTS TECH. CORP., P.C. ON 02/14/20.
3. REFER TO MOUNT STRUCTURAL CERTIFICATION LETTER PREPARED BY ALL POINTS TECHNOLOGY CORP., DATED FEBRUARY 21, 2020 AVAILABLE UNDER SEPARATE COVER.
4. PROJECT SCOPE INCLUDES THE FOLLOWING:
   - REPLACEMENT OF (1) ONE EXIST. SMALL CELL ANTENNA WITH ONE (1) PROP. SMALL CELL ANTENNA MOUNTED TO AN EXIST. PIPE MAST.
   - REPLACE ONE (1) EXIST. AWS RRH WITH ONE (1) PROP. DUAL-BAND RRH MOUNTED TO AN EXIST. PIPE MAST.
5. ALL EXPOSED STEEL AND HARDWARE TO BE HOT DIP GALV. (HDG).
6. CAP & WEATHERPROOF ALL UN-USED CABLE ENTRY PORTS (WHERE APPLICABLE).
7. MOUNT & GROUND ALL NEW EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
8. ALL ANTENNAS, APPURTENANCES AND NEW STEEL SHALL BE PAINTED TO MATCH EXIST. (WHERE APPLICABLE) AND SHALL BE APPROVED BY OWNER.



KEY PLAN

SCALE: 1" = 200'-0"

REVISIONS:
-REV0: 02/20/20. FOR REVIEW. JRM
-REV1: 02/21/20. PER VZW COMMENTS. JRM
-REV2.
-REV3.
-REV4.

STATE OF CONNECTICUT
MICHAEL S. TROOIEN
33313
LICENSED PROFESSIONAL ENGINEER

ALL-POINTS TECHNOLOGY CORPORATION
3 SADDLEBROOK DRIVE, KILLINGWORTH, CT 06419
PHONE: (860) 663-1697
FAX: (860) 663-0935
WWW.ALLPOINTSTECH.COM

SHEET NUMBER: DE-1

MYSTIC 3 SC CT (CAOLE)
55 COOGAN BOULEVARD
MYSTIC, CT 06355

VZW FUZE I.D: 2458643 VZW VZW
VZW PROJECT CODE: 20191909612 LC: 468833 CM: AL

APT FILING NUMBER: CT141EB11280

PARTIAL SITE PLAN, EQUIPMENT MOUNTING CONFIGURATION & NOTES

DATE OF DV: 02/14/20 | DRAWN BY: DRA
DATE: 02/20/20 | CHECKED BY: JRM

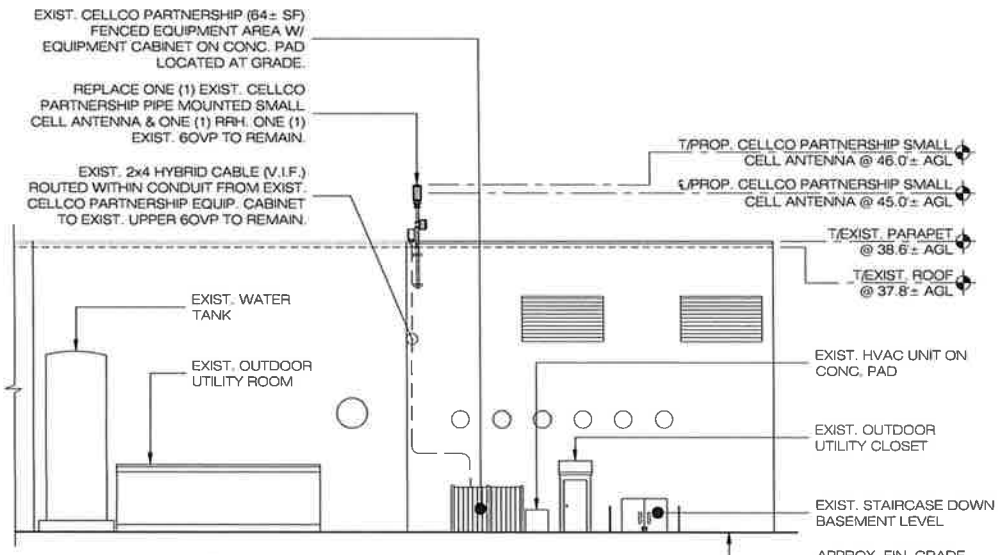
Cellco Partnership d/b/a verizon

EQUIPMENT DATA

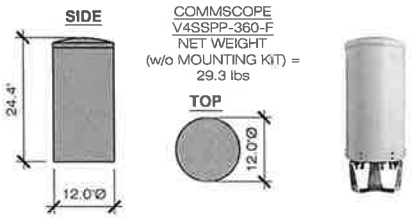
EQUIPMENT SPECIFICATIONS

SECTOR	ANTENNA MAKE/MODEL	QTY	AZIMUTH	EQUIPMENT STATUS	HEIGHT (IN)	WIDTH (IN)	DEPTH (IN)	WEIGHT (LBS)
ALPHA	1900/2100 COMMSCOPE V4SSPP-360S-F	1	0°	PROP.	24.4	12.0 Ø	-	29.3 (2)
	APPURTENANCE MAKE/MODEL							
	SAMSUNG B2/B66 PCS/AWS RRH	1	-	PROP.	14.9	14.9	10.04	97.5
	RAYCAP RxxDC3315-PF-48 (6OVP)	1	-	ETR	28.9	15.7	10.3	32

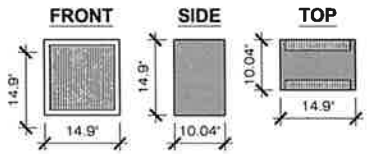
(1) 'ETR' DENOTES EXIST. TO REMAIN
(2) WEIGHT WITHOUT MOUNTING BRACKET.
(3) ANTENNA DATA BASED ON RFDS DATED 01/30/20



1 DE-2 PARTIAL WEST ELEVATION
SCALE: 3/16" = 1'-0"



2 DE-2 PROP. ANTENNA
SCALE: 1/2" = 1'-0"



SAMSUNG DUAL HIGH BAND B2/B66a RRH
RRH PCS/AWS
REMOTE RADIO HEAD (RRH)
WxDxH=14.9"x14.9"x10.04" (97.5 Lbs)

NOTE: WEIGHTS INCLUDE SOLAR SHEILD & MOUNTING BRACKET

3 DE-2 PROP. RRH EQUIPMENT
SCALE: 1/2" = 1'-0"

REVISIONS:
-REV0: 02/20/20: FOR REVIEW: JRM
-REV1: 02/21/20: PER VZW COMMENTS: JRM
-REV2:
-REV3:
-REV4:

ALL-POINTS TECHNOLOGY CORPORATION
3 SADDLEBROOK DRIVE, KILLINGWORTH, CT 06419
PHONE: (860) 663-1697
FAX: (860) 663 0935
WWW.ALLPOINTSTECH.COM

SHEET NUMBER: DE-2

MYSTIC 3 SC CT (CAOLE)
55 COOGAN BOULEVARD
MYSTIC, CT 06355

VZW FUZE I.D: 2458643 VZW VZW
PROJECT CODE: 20191908612 LC: 468833 CM: AL

APT FILING NUMBER: CT141EB11280

PARTIAL WEST BLDG. ELEVATION & EQUIPMENT SPECIFICATIONS

DATE OF DV: 02/14/20 DRAWN BY: DRA
DATE: 02/20/20 CHECKED BY: JRM

Cellco Partnership d/b/a verizon

V4SSPP-360S-F

16-port small cell antenna, 8x 1695–2690, 4x 3300-3800 and 4x 5150-5925 MHz, 360° Horizontal Beamwidth, fixed tilt.

General Specifications

Antenna Type	Small Cell
Band	Multiband
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage | Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	16
RF Connector Quantity, total	16

Dimensions

Length	620 mm | 24.409 in
Outer Diameter	305 mm | 12.008 in

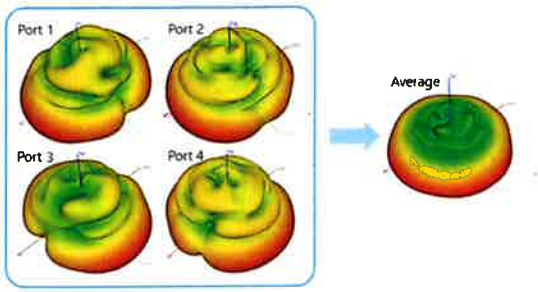
5 GHz Port Power Table

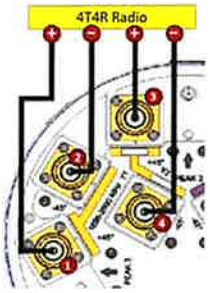
5 GHz FCC Power Requirements				
U-NII Band	**U-NII 1**	**U-NII 2A**	**U-NII 2C**	**U-NII 3**
Frequency (MHz)	**5150 - 5250**	**5250 - 5350**	**5470 - 5725**	**5725 - 5850**
Max Input power per port to align with FCC Title 47 Part 15 (Watts)	**0.5**	**0.125**	**0.125**	**0.5**

Port Configuration

V4SSPP-360S-F

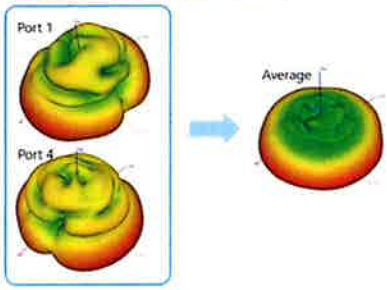
4X Port Configuration:





- When using a 4T4R radio, use ports 1 – 4 of the pattern diversity antenna

2X Port Configuration:



- When using a 2T2R radio, use ports 1 & 4 of the pattern diversity antenna
- Using ports 2 & 3 yields the same result
- This ensures that both orientations and both polarizations are used
- When using this antenna in 2T2R, then this antenna does not have full polarization diversity

Electrical Specifications

Operating Frequency Band	1695 – 2690 MHz | 3300 – 3800 MHz | 5150 – 5925 MHz
Total Input Power, maximum	300 W @ 50 °C

Electrical Specifications

Frequency Band, MHz	**1695–1920**	**1920–2180**	**2300–2690**	**3300–3800**	**5150–5925**
Gain, dBi	7.2	7.3	8.4	5.4	4
Beamwidth, Horizontal, degrees	360	360	360	360	360
Beamwidth, Vertical, degrees	21.5	18.7	15.1	37.7	25.5
Beam Tilt, degrees	0–13	0–13	0–13	+2 to -8	+2 to -8
USLS (First Lobe), dB	14	12	12	15	5
Isolation, Cross Polarization,	25	25	25	25	25

V4SSPP-360S-F

dB					
Isolation, Inter-band, dB	25	25	25	25	25
VSWR | Return loss, dB	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-150		
Input Power per Port, maximum, watts	125	125	125	50	80
Input Power per Port at 50° C, maximum, watts	75	75	75	35	20

Electrical Specifications, BASTA

Frequency Band, MHz	**1695–1920**	**1920–2180**	**2300–2690**	**3300–3800**	**5150–5925**
Gain by all Beam Tilts, average, dBi	6.7	7	8	4.9	3.4
Gain by all Beam Tilts Tolerance, dB	±0.8	±0.3	±0.9	±0.6	±0.7
Beamwidth, Vertical Tolerance, degrees	±2.3	±1.7	±1.4	±5.4	±4.3
USLS, beampeak to 20° above beampeak, dB	10	15	14		5
CPR at Boresight, dB	12	16	17	15	13

Material Specifications

Radiator Material	Low loss circuit board
Radome Material	ASA, UV stabilized
Reflector Material	Aluminum

Mechanical Specifications

Wind Loading at Velocity, frontal	103.0 N @ 150 km/h | 24.7 lbf @ 150 km/h
Wind Loading at Velocity, maximum	103.0 N @ 150 km/h | 23.2 lbf @ 150 km/h
Wind Speed, maximum	241 km/h | 149.75 mph

Packaging and Weights

Width, packed	418 mm | 16.457 in
Depth, packed	404 mm | 15.906 in
Length, packed	888 mm | 34.961 in
Net Weight, without mounting kit	13.3 kg | 29.321 lb
Weight, gross	17.8 kg | 39.242 lb

Regulatory Compliance/Certifications

V4SSPP-360S-F

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance

SAMSUNG

Dual-Band Radio Unit
AWS/PCS (B66/B2)
RFV01U-D1A

Samsung's RFV01U-D1A is a compact remote Radio Unit (RU) designed for deployments that require flexibility in installation and rapid onlining, without compromising on coverage, capacity or operational expenses.

The RFV01U-D1A RU targets dual-band support across Band 66 (AWS) and Band 2 (PCS), making it an ideal product for broad coverage footprints across multiple common mid-range frequencies.

The RU handles all Radio Frequency (RF) processing in a single, compact unit, and is designed to interface via CPRI with Samsung's CDU baseband offerings, in both distributed- and central-RAN configurations.

In addition to its minimal footprint and ease of installation, the RU is also designed to reduce cost of ownership through its integrated spectrum analyzer, which allows for remote RF monitoring, greatly reducing the need for on-site maintenance visits.

Features and Benefits

- Dual-band support for broad frequency coverage
- Minimal footprint reduces site costs
- Rapid, easy installation
- Flexibly deployable in any location
- Remote RF monitoring capability
- Convection cooled, silent operation
- Built-in Broadcast Auxiliary Services (BAS) filter ensures compliant AWS operation without impacting footprint

Key Technical Specifications

Duplex Type: FDD
Operating Frequencies:
B66: DL(2,110-2,180MHz)/UL(1,710-1,780MHz)
B2: DL(1,930-1,990MHz)/UL(1,850-1,910MHz)
Instantaneous Bandwidth:
70MHz(B66) + 60MHz(B2)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 255mm (36.8L)
Weight: 38.3kg
Input Power: -48V DC
Operating Temp.: -40 - 55°(w/o solar load)
Cooling: Natural convection

ATTACHMENT 3

Site Name: Mystic 3 SC CT

Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW CBRS	3600	0		0	45	0.0000	2.4	0.00%
VZW PCS	1970	4	28	112	45	0.0199	1.0	1.99%
VZW Cellular	869	0		0	45	0.0000	0.579333333	0.00%
VZW Cellular	880	0		0	45	0.0000	0.586666667	0.00%
VZW AWS	2145	4	20	80	45	0.0142	1.0	1.42%
VZW 700	746	0		0	45	0.0000	0.497333333	0.00%

Total Percentage of Maximum Permissible Exposure 3.41%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Section 1.13101 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter

ERP = Effective Radiated Power

ATTACHMENT 4

February 21, 2020

Verizon Wireless
20 Alexander Drive
Wallingford, CT 06492

Attn: Mr. Andrew Leone

Re: Antenna Mount Structural Certification Letter
Verizon Wireless Site I.D.: Mystic 3 SC CT (Caole)
55 Coogan Boulevard
Mystic, CT 06355

Project/Location Code:	20191909612/468833
VZW FUZE I.D.:	2458643
APT Filing No.	CT141EB11280

Dear Mr. Leone,

All-Points Technology Corp. (APT), a professional engineering corporation licensed in the State of Connecticut, has been retained by Verizon Wireless (VZW) to assess the structural adequacy of the existing VZW antenna mount assemblies to support the proposed antenna and appurtenance modification at the location referenced above.

Details of the proposed antenna and appurtenance modification are included within the table on the following page. Reference is made to the Design Exhibit Drawings DE-1 thru DE-2 prepared by this office, marked Rev 0, dated 02/21/2020.

The structural review has been prepared in accordance with the following design standards:

ANSI/TIA-222-G-2009 - Structural Standards for Steel Antenna Towers and Antenna Supporting Structures

ASCE/SEI 7-10 – Minimum Design Loads for Buildings and Other Structures

AISC - American Institute of Steel Construction Manual of Steel Construction, 14th Ed.

IBC 2015 - as amended by the 2018 Connecticut State Building Code.

Antenna, appurtenance and mount assembly loads were evaluated utilizing the ANSI TIA-222-G standard.

- Load Case 1: 106 mph (3-second gust,), 0in ice (Nominal Survival Wind)
- Load Case 2: 50 mph (3-second gust) with 0.75in ice thickness
- Load Case 3: 60 mph (3-second gust) (Service Load)
- Structure Class II
- Exposure Category B
- Topographic Category 1

Note:
1. Based upon IBC 2015/2018 Connecticut State Building Code maximum ultimate wind speed for site location of 136 mph (3-sec gust), equivalent to a nominal design speed of 106 mph (3-sec gust) per exception #5, Section 1609.1.1.

The existing and proposed VZW antenna/appurtenance and mount assembly loading consists of the following equipment (proposed equipment/equipment to be relocated indicated in **bold** text):

Antenna and Appurtenance Make/Model	Quantity	Status	Mount Type	Elevation
Commscope V4SSPP-360S-F Small Cell antenna	**1**	**P**	One (1) existing steel pipe mount.	45 ft± AGL
Samsung B2/B66 PCS/AWS RRH Remote Radio Head (RRH)	**1**	**P**		
Raycap RxxDC-3315-PF-48 (6 OVP)	1	ETR		
2x4 Hybrid Cable	1	ETR	n/a	n/a

Notes:
1. ETR = Existing to Remain; ERL = Exist to be Relocated; P = Proposed.
2. Antennas and appurtenances shall be centered on mount assembly at the above specified elevation with no vertical eccentricity.

The findings of this review are based upon comparative review of the proposed equipment loading, Construction Drawings prepared by CENTEK dated October 20, 2015 and a Structural Evaluation Letter prepared by CENTEK dated October 20, 2015. Under the proposed loading, the maximum usage of the mounting assembly is 40.0%.

In conclusion, we find that the existing VZW antenna mount assembly is structurally adequate to support the proposed antenna/appurtenance modification. Further, we find that the proposed antenna/appurtenance modification does not adversely affect the structural integrity of the existing host structure.

This letter assumes that the mounting assembly structural components and connections are in good condition and have been properly maintained since erection. The contractor shall inspect the condition of the existing mount assembly in its entirety prior to the installation of the proposed antenna and appurtenance modification.

If there are any further questions regarding this project or if we may of further assistance, please do not hesitate to call.

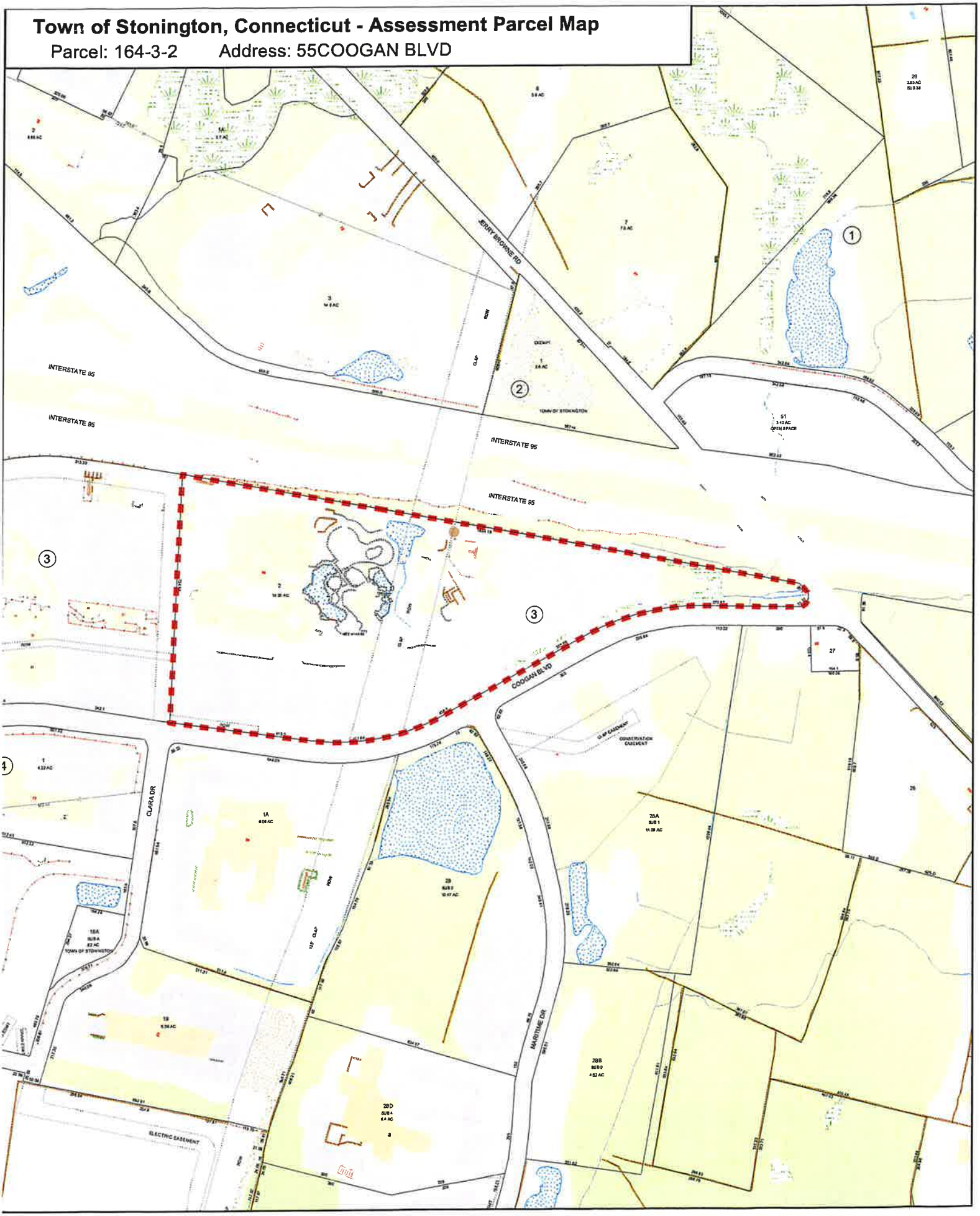
Sincerely,
All-Points Technology Corp. P.C.

Michael S. Trodden, P.E.
Sr. Structural Engineer

ATTACHMENT 5

Town of Stonington, Connecticut - Assessment Parcel Map

Parcel: 164-3-2 Address: 55COOGAN BLVD



Approximate Scale:

1 inch = 350 feet

0 210 420 630 840 Feet

Revised To: October 2016 **Map Produced: May 2017**

Town of Stonington, CT
Property Listing Report

Map Block Lot 164-3-2-1

Account 00740500

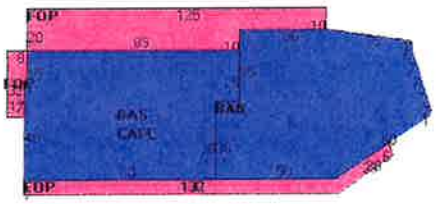
Property Information

Property Location	55 COOGAN BLVD
Owner	SEA RESEARCH FOUNDATION INC
Co-Owner	MYSTIC MARINELIFE AQUARIU
Mailing Address	55 COOGAN BLVD MYSTIC CT 06355
Land Use	3220 STORE/SHOP MDL-94
Land Class	C
Survey Map #	4281B
School District	

Fire District	Old Mystic
Census Tract	7053
Neighborhood	9500
Zoning Code	TC-80
Acreage	0.22
Utilities	
Lot Setting/Desc	Suburban Level
Trash Day	TH
Polling Place (District)	Mystic Fire Department 4

Photo

Sketch



Primary Construction Details

Year Built	1998
Stories	1
Building Style	Commercial
Building Use	Commercial
Building Condition	Very Good
Floors	Ceram Clay Til
Total Rooms	0

Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Bath Style	NA
Kitchen Style	NA
Roof Style	Flat
Roof Cover	Tar & Gravel

Exterior Walls	Pre-finsh Metl
Interior Walls	Drywall/Sheet
Heating Type	Hot Air-no Duc
Heating Fuel	Electric
AC Type	Unit/AC
Gross Bldg Area	14077
Total Living Area	10596

Report Created On 7/18/2017

Valuation Summary (Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	1602700	1121900
Extras	8200	5700
Outbuildings	29800	20900
Land	378500	265000
Total	2019200	1413500

Outbuilding and Extra Items

Type	Description
SPRINKLERS-WET	8209.00 S.F.
PATIO-GOOD	8500.00 S.F.

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	10596	10596
Porch, Open	3481	0
Total Area	14077	10596

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
SEA RESEARCH FOUNDATION INC	222/ 732		0

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 03/20/2020 US POSTAGE $002.84⁰ ZIP 06103 041L12203937
	Postmaster, per (name of receiving employee)		

OLD STATE HOUSE STATION 06103 MAR 20 2020 USPS

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Danielle Chesebrough, First Selectman Town of Stonington 152 Elm Street Stonington, CT 06378				
2.	Keith Brynes, Acting Director of Planning Town of Stonington 152 Elm Street Stonington, CT 06378				
3.	Sea Research Foundation Inc. Mystic Marinelife Aquarium 55 Coogan Boulevard Mystic, CT 06355				
4.					
5.					
6.					

OLD STATE HOUSE STATION 06103 MAR 20 2020 USPS

Mystic 35C

See Reverse for Instructions