QC Development
PO Box 916
Storrs, CT 06268
860-670-9068
Mark.Roberts@QCDevelopment.net

May 11, 2018

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

Notice of Exempt Modification – New Cingular Wireless PCS, LLC (AT&T)
1 Waterfront Park (City Pier), New London, CT 06320
N 41-21-13
W 72-05-29

Dear Ms. Bachman:

AT&T intends to install a temporary cellular communications facility for service during Sailfest 2018 in New London. AT&T operates under licenses issued by the Federal Communications Commission (FCC) to provide cellular and PCS mobile telephone service in New London County, which includes the area to be served by AT&T's proposed temporary installation. The proposed temporary facility would be installed at 1 Waterfront Park on property owned by the City of New London.

Proposed Temporary Facility

The proposed temporary cell site meets the criteria set forth in R.C.S.A § 16-50j-72(d) for temporary cellular service for events of statewide significance. The site is necessary to provide additional system capacity to accommodate increased communication needs during Sailfest 2018.

Sailfest 2018 will be held in the vicinity of Waterfront Park in downtown New London on July 13th – 15th 2018. The temporary cell site will be located at the far end of City Pier as illustrated in the attached Aerial Photograph. As previously documented by AT&T, the City Assessor has confirmed that the 31,000 sq. ft. pier is considered an outbuilding of the City Pier property. An e-mail from

New London City Dock Master Barbara Neff authorizing AT&T to use the City Pier for this purpose is attached.

AT&T's equipment will be deployed to City Pier on or around June 22th. The site will begin on-air operations on July 11 and be removed on or around July 20th.

AT&T's temporary cell site will consist of radio equipment installed in a fully-contained vehicle referred to as a "Cell on Wheels" (COW) with a built-in antenna mast that will be extended to a height of 59 ft above ground level. The COW is 24 feet long, 8 feet wide and 12 feet high with 4-ft outriggers for stability. Power and Telephone connections will be provided from the existing utility services at the Pier. The proposed temporary cell site will not increase noise levels by six decibels or more.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 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 Honorable Michael Passero, Mayor of the City of New London, as elected official and property owner, and to the City of New London Planning Department.

One Matsing MS-12.6DB180-A Multi-Beam Dual Band Spherical Lens Antenna will be mounted at the top of the tower with a centerline of 60 feet. Only one sector, pointing toward land will be operated. The total height of the entire structure with appurtenances will be approximately 65 feet above ground level. Guy lines will further stabilize ad support the extended tower and antenna as needed for site-specific conditions.

Power Density Calculations

AT&T's temporary cell site will not result in a total radio frequency electromagnetic radiation power density, measured at six feet above ground level at the tower location, at or above State or Federal standards. The following table shows the worst-case power density calculations with 10dB reduction.

Transmissions	# of Channels	ERP/Ch (W)	Antenna Centerline Height (ft)	Power Density (mW/cm^2)	Freq. Band (MHz**)	Limit S (mW /cm^2)	%MPE
AT&T LTE	6	500	60	0.3700	700	0.4667	7.93%
AT&T LTE	6	500	60	0.3700	1900	1.0000	3.70%
AT&T AWS	2	500	60	0.1233	2100	1.0000	1.23%
Site Total							12.86%

** Please note that the standard power density equation provided by the Council in its memo of January 22, 2001 incorporates a ground reflection factor of 2.56 as described in FCC OET Bulletin No. 65

This calculation shows that AT&T's temporary transmissions for the COW installation will result in a power density corresponding to approximately 12.9% of the ANSI/IEEE standard for

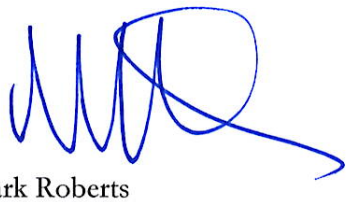
uncontrolled environments. Therefore, total worst-case power density levels adjacent to the COW would be within applicable standard limits.

Conclusion

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

Please feel free to call me at (860) 670-9068 with any questions regarding this Notice. Thank you for your consideration in this matter.

Sincerely,



Mark Roberts
QC Development
Consultant for AT&T

Attachments

cc: The Honorable Michael Passero – City of New London Elected Official & Property Owner
Michelle Johnson Scovish – Assistant Planner, City of New London
Barbara J. Neff – New London City Dock Master & Sailfest Executive Director (via e-mail)

CITY PIER

Assessor's Card

Location	CITY PIER	**Mblu**	G12/ 108/ 2/A /
Acct#	G12 0108 0002A	**Owner**	NEW LONDON CITY OF-WAT
Assessment	$3,242,470	**Appraisal**	$4,632,100
PID	4446	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2013	$3,747,300	$884,800	$4,632,100
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2013	$2,623,110	$619,360	$3,242,470

Owner of Record

Owner	NEW LONDON CITY OF-WAT	**Sale Price**	$0
Co-Owner	CITY PIER	**Certificate**	
Address	181 STATE STREET NEW LONDON, CT 06320	**Book & Page**	2083/ 66
		Sale Date	09/25/2014
		Instrument	24

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
NEW LONDON CITY OF-WAT	$0		2083/ 66	24	09/25/2014
NEW LONDON CITY OF-WAT	$0		1810/ 260	19	12/03/2008
NEW LONDON CITY OF-WAT	$0		000/ 000		01/01/1700

Building Information

Building 1 : Section 1

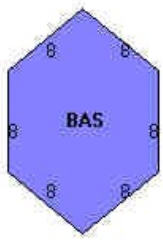
Year Built:	1950
Living Area:	156
Replacement Cost:	$12,749
Building Percent Good:	47
Replacement Cost Less Depreciation:	$6,000

Building Attributes	
Field	**Description**
STYLE	Commercial
MODEL	Commercial
Grade	Above Ave
Stories:	2
Occupancy	1
Exterior Wall 1	Wood Shingle
Exterior Wall 2	
Roof Structure	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Wall Brd/Wood
Interior Wall 2	
Interior Floor 1	Concr-Finished
Interior Floor 2	
Heating Fuel	Coal or Wood
Heating Type	None
AC Type	None
Bldg Use	MUNICIPAL MDL-94
Total Rooms	
Total Bedrms	00
Total Baths	0
Conv Type	
1st Floor Use:	903C
Heat/AC	NONE
Frame Type	WOOD FRAME
Baths/Plumbing	NONE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	LIGHT
Wall Height	16
% Comn Wall	0

Building Photo

(http://images.vgsi.com/photos/NewLondonCTPhotos//\00\01\12/10.jpg)

Building Layout



Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	156	156
		156	156

Extra Features

Extra Features				Legend
Code	**Description**	**Size**	**Value**	**Bldg #**
	PLB & EL FPR PIER PER PLANS	1	$157,000	1
CNP2	GOOD QUALITY	684 S.F.	$16,100	1

Land

Land Use

Use Code	903C
Description	MUNICIPAL MDL-94
Zone	WD
Neighborhood	CBD1
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	0.56
Frontage	0
Depth	0
Assessed Value	$619,360
Appraised Value	$884,800

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
DOLP	SHIP MOORING			18 UNIT	$360,000	1
	PHASE 3			1	$65,000	1
DCK2	COMM DOCK			31150 S.F.	$3,083,900	1
BTH2	W/PLUMBING			432 S.F.	$9,300	1
PAT2	PATIO-GOOD			20000 S.F.	$50,000	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2015	$3,747,300	$884,800	$4,632,100
2014	$3,747,300	$884,800	$4,632,100
2013	$3,747,300	$898,900	$4,646,200

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2015	$2,623,110	$619,360	$3,242,470
2014	$2,623,110	$619,360	$3,242,470
2013	$2,623,110	$629,230	$3,252,340

SCCOG

Assessor's Map

May 12, 2017

Property Information

Property ID	95-G12-108-2A
Location	CITY PIER
Owner	NEW LONDON CITY OF-WAT

SCCOG

MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

SCCOG makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Parcels updated 01/11/2017
Properties updated 10/1/2013


washington street
Methodist street
State street
Governor Winthrop Boulevard
Federal street
Union street
Union street
Tilley street
Green street
Green's Alley
Green street
Pearl street
Bank St. Connector
City Hall
US Post Office
Masonic Street
Police Station
to 95
Eugene O'Neill Drive
Eugene O'Neill Drive
Golden street
South Water street
5K
The Day
Union Plaza
Atlantic Street
Water street
Ferry street
Cross Sound Ferry
US Customs
Custom House Pier
Amistad
Amistad Landing
children's Discovery Pier
Parade Plaza
Water street
Amtrak
Long Island Ferry
Greyhound Terminal
City Pier Plaza
Fishers Island Ferry
City Pier
Proposed Location of COW
End of City Pier
W
S
N
E
ATM
Beer Tent
Streets Closed
Public Restroom
Tall Ships
Amusement Rides
Custom House Pier Stage
Fireworks Experience/Picnic on the Pier
Waterfront Vendors
Police & Emergency/Lost Persons
City Hall Stage
Street Vendors (Sat/Sun only)
Hygienic Outdoor Fine Craft Festival
Hygienic Art Park Stage
Sailfest Information & Merchandise
Public Parking
Handicapped Parking
5K Road Race (Sunday)
Sailfest Hours - Friday 12 noon-11pm • Saturday 10am-11pm • Sunday 9am-6pm

Generalized Site Plan of AT&T COW on City Pier (No Scale)

The COW

With Mast Stowed

The Will-Burt Company's Strongest

ULTRA-HEAVY DUTY PNEUMATIC MAST

Designed to Save You Time and Money

No Need for a Cherry Picker. Ultra can lift your largest antennas!
Ultimate Unguyed Performance. Reduced Space Needed for set-up

This Mast Is Built into the COW
(Shown With Sperical Antenna)

STRONG

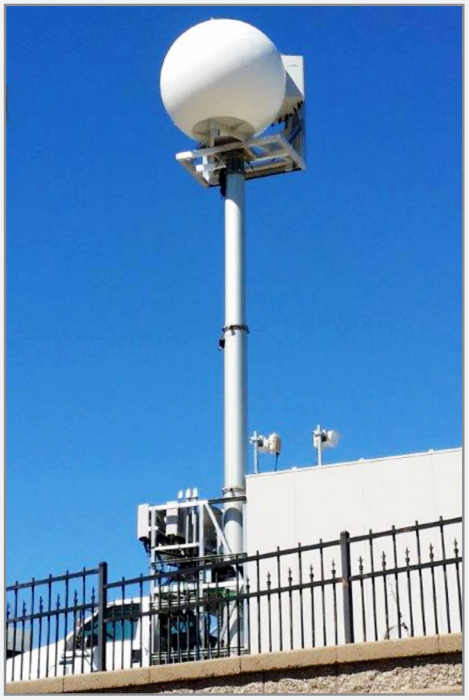
- Elevates heavier loads with greater wind sail area
- Greater unguyed performance
- Close azimuth for less twist for signal accuracy
- Shorter guy radius support requires less space

FAST & EFFICIENT

- Lower nested height eliminates the need for costly and complicated tilt systems
- Easier to deploy in urban areas
- Lightweight design allows for more COW and COLT payload space
- Safe long-term deployment with easy to operate positive locking pins

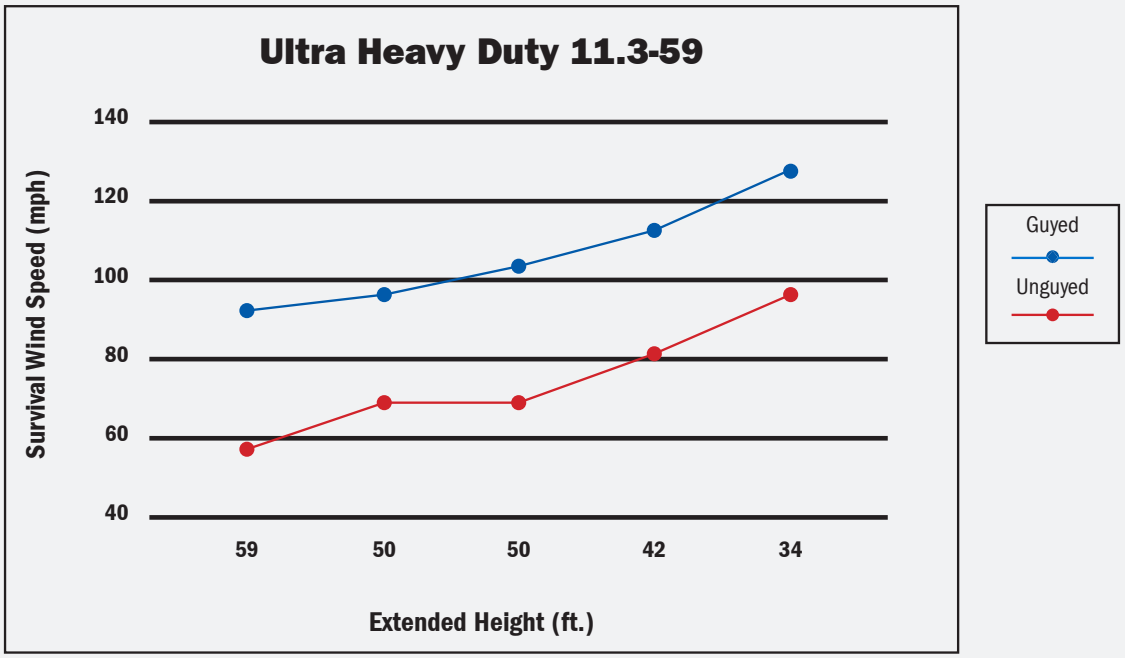
RELIABLE

- 5 year manufacturer warranty
- No maintenance required
- No hydraulic fluid concerns
- Designed and manufactured in the USA by the portable elevation experts - The Will-Burt Company



Ultra Heavy-Duty Mast Specifications	11.3-59
Payload Capacity*	1200 lbs. / 544 kg
Extended Height	59 ft. / 18 m
Nested Height	11.3 ft. / 3.4 m
Approximate Weight	880 lbs. / 399 kg
Number of Sections	7
Tube Diameter	13.5 in. / 34.29 cm through 7.5 in. / 19.05 cm
Collar Type	Locking with Super Pins
Maximum Operating Pressure	35 psig (2.4 bar)

*Dimensions provided are for reference only and are not intended for vehicle design purposes.
Specifications subject to change without notice.
*Capacity will be affected by wind sail area. Consult factory.



11.3-59 UHDL
P/N 710905700, TUBE SET 13.5" - 7.5"

	Extended Height	**Unguyed SWS**	Guy Levels	Guy Radius	Mast Guy Points	Guyline Diameter	**Guyed SWS**
	(ft.)	**(mph)**		(ft.)		(inches)	**(mph)**
Full Extension	59.0	**58**	2	60	Platform, 9 1/8" collar	3/16	**92**
7.5" Tube Retracted	50.4	**69**	2	50	Platform, 9 1/8" collar	3/16	**96**
7.5" Tube Retracted	50.4	**69**	2	50	Platform, 9 1/8" collar	1/4	**115**
7.5" Tube Retracted	50.4	**69**	1	50	Platform	1/4	**104**
7.5"& 8.25" Tubes Retracted	42.1	**82**	1	42	Platform	3/16	**98**
7.5"& 8.25" Tubes Retracted	42.1	**82**	1	42	Platform	1/4	**112**
7.5", 8.25" & 9.12" Tubes Retracted	34.0	**96**	1	34	Platform	3/16	**112**
7.5", 8.25" & 9.12" Tubes Retracted	34.0	**96**	1	34	Platform	1/4	**127**

Payload	
(1) MS-12.6DB180-A	
(36) 1/2" RF CABLES	
Total Sail Area	29.4 FT²
Total Payload Weight	914 lbs.
Center of projected area	36" above top of mast
Coeficient of drag	1.0

CONTACT YOUR SALES REPRESENTATIVE TODAY

TRAVIS POWELL
Director of Sales
Mobile: 330.347.9154
tpowell@willburt.com

JAKE FRANKEN
Business Development Manager
Office: 330.684.4037
Mobile: 330.347.4941
jfranken@willburt.com

The Will-Burt Company (www.willburt.com), located in Orrville, Ohio, USA, is the world's premier manufacturer of mobile telescoping masts, towers and pan and tilt positioners. We offer virtually every payload elevation and integration solution from the top brands; Will-Burt, GEROH, Integrated Tower Solutions (ITS) and MAD – for military, first responders, cellular, broadcast, entertainment and other applications. Will-Burt designs and manufactures shelters made of all-composite materials that deliver higher performance at lower life cycle cost than metal or partial composite shelters. Will-Burt's LINX security solutions provide integrated access control and intrusion detection certified to protect critical assets. Will-Burt offers a variety of metal fabrication and manufacturing services backed by a certified ISO 9001:2008 Quality Management System and ISO 14001:2004 Environmental Management System. Incorporated in 1918, Will-Burt is 100% employee-owned and is classified as a small business.

WILL-BURT
www.willburt.com

UNITED STATES
WORLD HEADQUARTERS
169 S. Main St.,
Orrville, Ohio USA 44667
Telephone: 330.682.7015
Mast Customer Service: 330.684.4000
Fax: 330.684.1190
Email: contact_us@willburt.com

INTEGRATED TOWER SYSTEMS
2703 Dawson Road,
Tulsa, OK 74110
Telephone: 800.850.8535
Fax: 918.749.8537
Email: programs@itstowers.com

EUROPE
GEROH
A Will-Burt Company
Fischergasse 25
91344 Waischenfeld, Germany
Telephone: +49-9202-18-0
Fax: +49-9202-18-11
Email: info@geroh.com

UNITED KINGDOM
MAD
Unit 5, Station Approach
Four Marks, Alton Hampshire,
GU34 5HN, United Kingdom
Telephone: +44 (0) 1420 565618
Fax: +44 (0) 1420 565628
Email: info@madcctv.com

UK SALES OFFICE
Unit 5b, Station Approach
Four Marks, Alton Hampshire,
GU34 5HN, United Kingdom
Telephone: +44 (0) 1403 265532
Fax: +44 (0) 1403 259072

ASIA
SINGAPORE SALES OFFICE
1 Fullerton Road,
#02-01 One Fullerton,
Singapore 049213
Telephone: +65 6832 5689
Fax: +65 6722 0664

Matsing Spherical Antenna

MS-12.6DB180-A

Multi-Beam Dual Band Spherical Lens Antenna: 6 independent low frequency (698-896MHz) cross-polarized beams and 12 independent high-frequency (1710-2690MHz) cross-polarized beams, with 0-15° tilt for each 20° sector and 2X2 MIMO support. Sector consists of 1 low-band beam and 2 high-band beams.

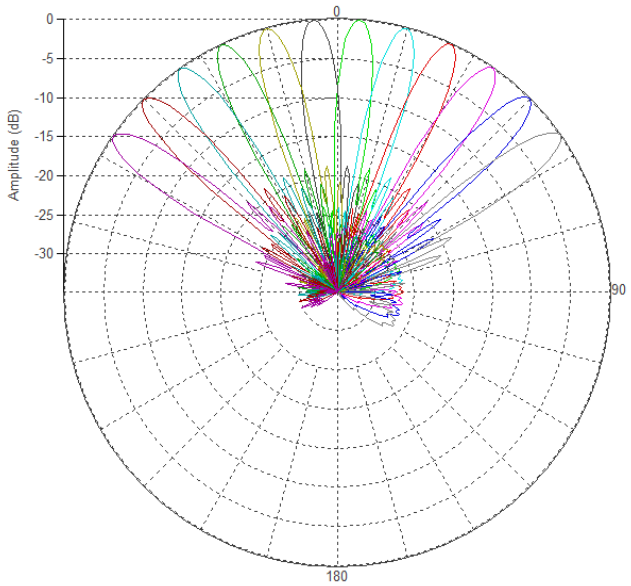
***Optional Packages:**

a) **MS-12.6DB180-RET**
AISG 2.0 Remote Electrical Tilt

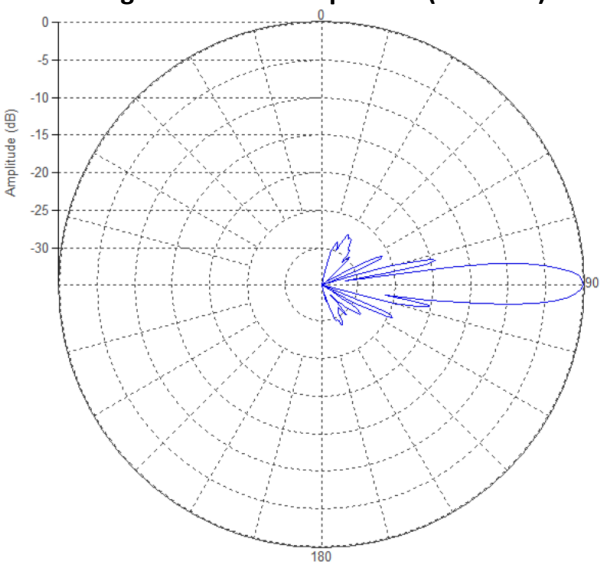
b) **MS-12.6DB180-B**
Low Band Frequency Range (800-960MHz)

PATTERN RESULTS:

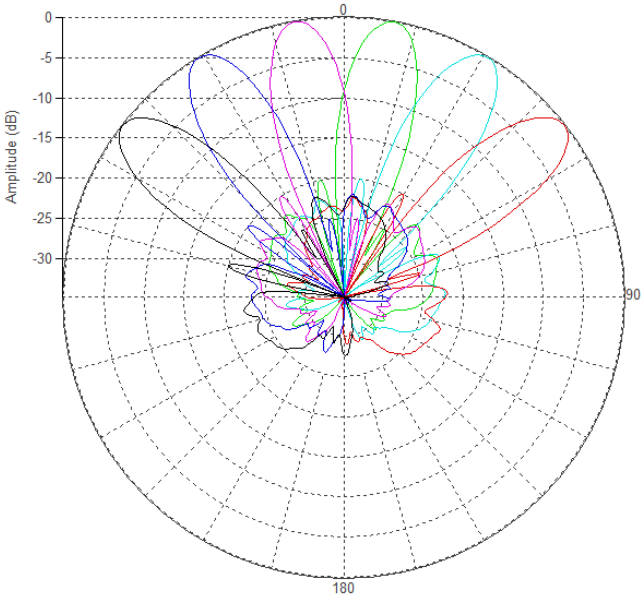
High-Band Horizontal Pattern (1.80GHz)



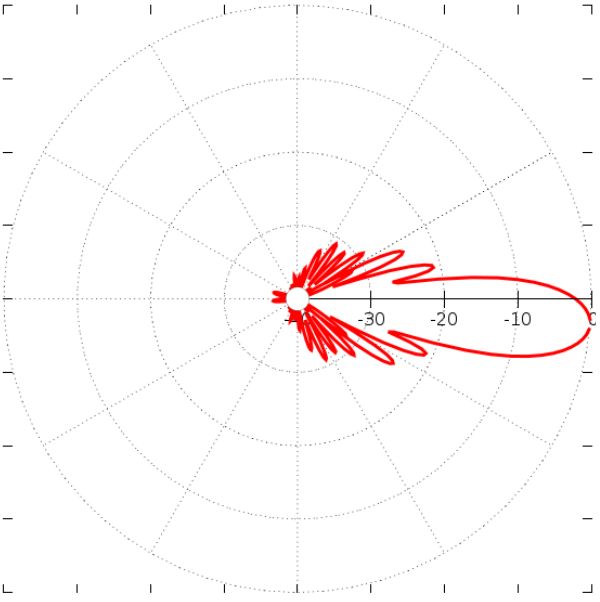
High-Band Vertical pattern (1.80GHz)



Low-Band Horizontal Pattern (0.85GHz)



Low-Band Vertical Pattern (0.85GHz)



EMAIL: Info@matsing.com **WEBSITE**: www.matsing.com **PHONE**: (949)356-2223

MATSING
RF Lens Technologies

ESTIMATED TECHINCAL SPECIFICATIONS PER BEAM

Frequency	698-896 MHz	1710-2690 MHz
Gain	21dBi	29dBi
Return Loss	>15dB	>15dB
Polarization	Dual Slant ±45	Dual Slant ±45
Horizontal Coverage	120°	120°
Horizontal Beamwidth (10dB level)	20° ± 2°	10° ± 1°
Vertical Beamwidth (10dB level)	22°	12°
Beam Cross-over	10dB typical	10dB typical
Total Number of Beams	6	12
Manual Adjustable Tilt per 20° sector (each sector having 2 high-band beams and 1 low-band beam)	5° to 20°	0° to 15°
First Sidelobe Level	<-18dB	<-18dB
Front to Back Ratio	>28dB	>28dB
Isolation Port to Port -Polarization	>28dB	>28dB
Isolation Port to Port – Beam	>28dB	>28dB
Power Rating	400W per port	300W per port
Intermodulation	<-150dBc	<-150dBc
Impedance	50 ohm	50 ohm
Connector Quantity and Type	12 7/16 DIN female	24 7/16 DIN female

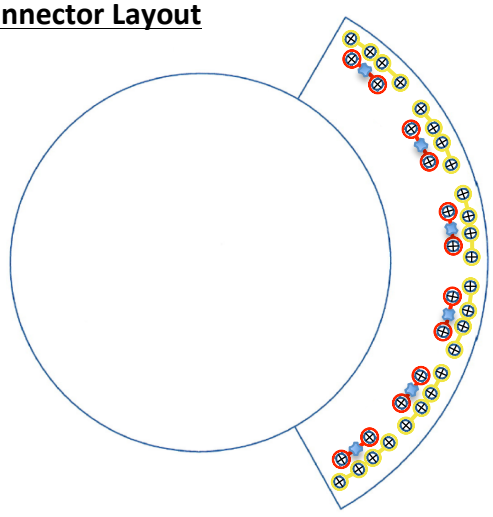
ESTIMATED MECHINCAL DATA

Dimensions (H x W x D)	Spherical Lens diameter: 180cm/70inch Antenna dimensions: 182 x 205 x 207 cm 71 x 80 x 81 inch
Antenna Weight	225kg 495lbs
Radome Material	Fibre Glass
Mounting	2 position pipe mount Compatible pipe diameter: 6.1 – 11.4 cm 2.4 – 4.5 inch

ESTIMATED ENVIRONMENTAL RATINGS

Humidity	95% RH @ +30°C
Temperature	-40°C to +70°C
Wind load (Front)	2316 N @ 160km/hr 520 lbf @ 160km/hr

Connector Layout



EMAIL: Info@matsing.com **WEBSITE**: www.matsing.com **PHONE**: (949)356-2223

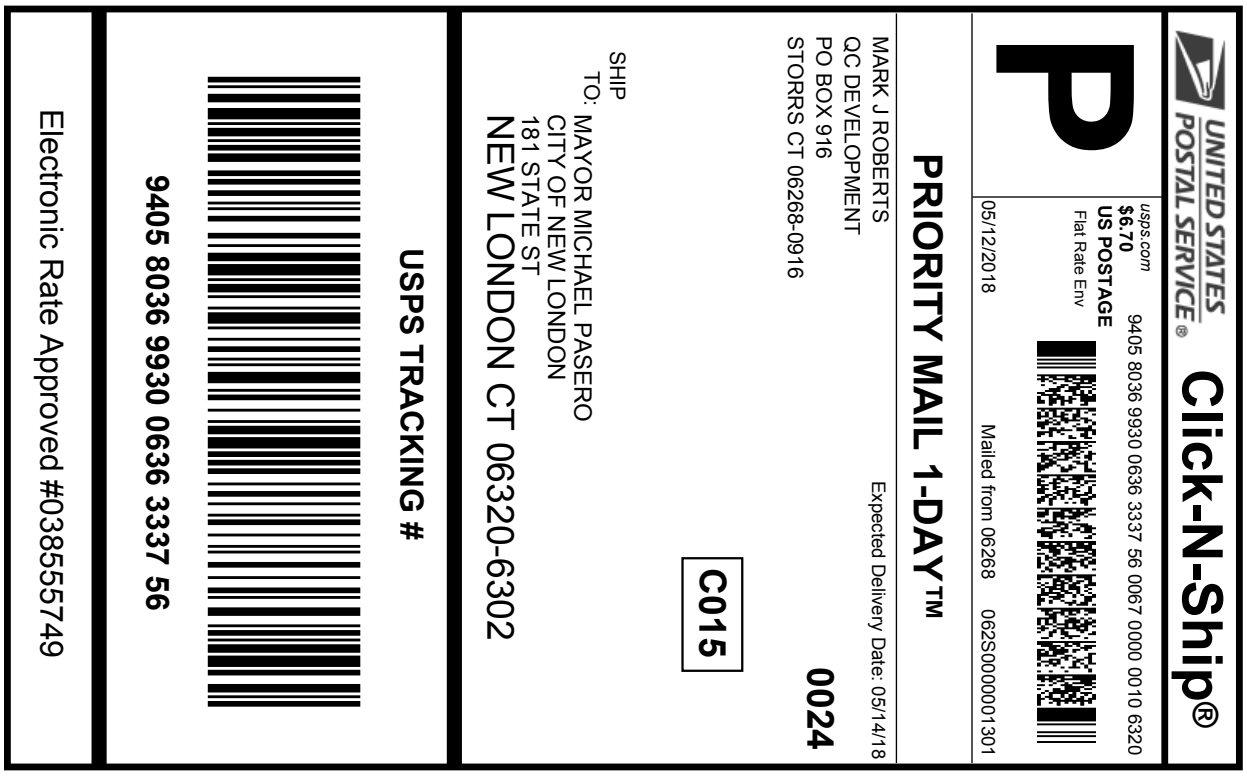
From: Barbara J. Neff <bjneff1369@sbcglobal.net>
Sent: Friday, May 11, 2018 11:27 AM
To: Mark Roberts <mark.roberts@qcdevelopment.net>
Subject: Re: AT&T TEMP FACILITY - SAILFEST 2018

Hello,

This e-mail authorizes AT&T Wireless and/or it's authorized agent to file for all necessary federal, state and local permits and approvals for the proposed temporary wireless telecommunications facility to be located at the end of City Pier – 1 Waterfront Park, New London, CT for the 2018 SAILFEST.

Please call with any questions.
Thanks,
B

Barbara J. Neff
Neff Productions
2 State ST
New London CT 06320
**** Sailfest - Executive Director***
**** New London City Dock Master***
**** Parent Coordinator at Bennie Jackson Middle School***
www.neffproductions.com
(860) 443- 3786



Cut on dotted line.

Instructions

1. **Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.**
2. **Place your label so it does not wrap around the edge of the package.**
3. **Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.**
4. **To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.**
5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # / Insurance Number:
9405 8036 9930 0636 3337 56

Trans. #:	434775096
Print Date:	05/11/2018
Ship Date:	05/12/2018
Expected Delivery Date:	05/14/2018
Insured Value:	$50.00

Priority Mail® Postage:	**$6.70**
Insurance Fee	**$0.00**
Total	**$6.70**

From: MARK J ROBERTS
QC DEVELOPMENT
PO BOX 916
STORRS CT 06268-0916

To: MAYOR MICHAEL PASERO
CITY OF NEW LONDON
181 STATE ST
NEW LONDON CT 06320-6302

* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the USPS Tracking® page at usps.com