



(REFERENCE COPY - Not for submission)

# LPTV Engineering STA Application

File Number: **BSTA-20150609AAQ** | Submit Date: **06/09/2015** | Call Sign: **WZAW-LD** | Facility ID: **183262** | FRN:  
**0018223693** | State: **Wisconsin** | City: **WAUSAU**  
Service: **LPD** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **06/16/2015** | Expiration Date:  
Filing Status: **InActive**

## General Information

Section	Question	Response
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## Fees, Waivers, and Exemptions

Section	Question	Response
<b>Fees</b>	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
<b>Waivers</b>	Does this filing request a waiver of the Commission's rule(s)?	
	Total number of rule sections involved in this waiver request:	

**Applicant  
Information**

**Applicant Name, Type, and Contact Information**

<b>Applicant</b>	<b>Address</b>	<b>Phone</b>	<b>Email</b>	<b>Applicant Type</b>
<b>GRAY TELEVISION LICENSEE, LLC</b> <b>Applicant</b> Doing Business As: GRAY TELEVISION LICENSEE, LLC	1114 GRAND AVENUE WAUSAU, WI 54403 United States	+1 (715) 845- 4211		Other

**Authorization Holder Name**

Check box if the Authorization Holder name is being updated because of the sale (or transfer of control) of the Authorization(s) to another party and for which proper Commission approval has not been received or proper notification provided.

**Contact  
Representatives  
(2)**

Contact Name	Address	Phone	Email	Contact Type
<b>JOSEPH M. DAVIS, P.E.</b> <i>CONSULTING ENGINEER</i>	CHESAPEAKE RF CONSULTANTS, LLC 207 OLD DOMINION ROAD YORKTOWN, VA 23692 United States	+1 (703) 650-9600	JOSEPH.DAVIS@RF- CONSULTANTS.COM	Technical Representative
<b>JOAN STEWART, ESQ.</b> WILEY REIN LLP	1776 K STREET N.W. WASHINGTON, DC 20006 United States	+1 (202) 719-7438	JSTEWART@WILEYREIN. COM	Legal Representative

**Channel and Facility Information**

Section	Question	Response
Facility ID	183262	
State	Wisconsin	
City	WAUSAU	
LPD Channel	31	

**Primary station proposed to be rebroadcast:**

Facility Id	Call Sign	City	State
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**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1063096
<b>Coordinates (NAD83)</b>	Latitude	45° 03' 22.0" N+
	Longitude	089° 27' 54.0" W-
	Structure Type	
	Overall Structure Height	309 meters
	Support Structure Height	
	Ground Elevation (AMSL)	448 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	303 meters
	Height of Radiation Center Above Mean Sea Level	751 meters
	Effective Radiated Power	15 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	121597
<b>Antenna Manufacturer and Model</b>	Manufacturer:	ERI
	Model	ATW24H3-HSCX-31S
	Rotation	0 degrees
	Electrical Beam Tilt	0.75
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	
<b>Elevation Radiation Pattern</b>	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	No
	Uploaded file for elevation antenna (or radiation) pattern data	
	Out-of-Channel Emission Mask:	Stringent

**Directional Antenna Relative Field Values (Pre-rotated Pattern)**

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.979	90	0.498	180	0.979	270	0.939
10	0.939	100	0.496	190	0.992	280	0.914
20	0.868	110	0.549	200	1	290	0.878
30	0.816	120	0.595	210	0.987	300	0.837
40	0.738	130	0.678	220	0.945	310	0.892
50	0.678	140	0.738	230	0.892	320	0.945
60	0.595	150	0.816	240	0.837	330	0.987
70	0.549	160	0.868	250	0.878	340	1
80	0.496	170	0.939	260	0.914	350	0.992

**Additional Azimuths**

Degree	V <sub>A</sub>
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**Certification**

Section	Question	Response
<p><b>General Certification Statements</b></p>	<p>The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by authorization or otherwise, and requests an Authorization in accordance with this application (See Section 304 of the Communications Act of 1934, as amended.).</p>	
	<p>The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. §862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR . See §1.2002(b) of the rules, 47 CFR §1.2002(b), for the definition of "party to the application" as used in this certification §1.2002 (c). The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.</p>	
<p><b>Authorized Party to Sign</b></p>	<p><b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b></p> <p>Upon grant of this application, the Authorization Holder may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in automatic cancellation of the Authorization. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of Authorization requested in this application.</p> <p>WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, §312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, §503).</p>	
	<p>I certify that this application includes all required and relevant attachments.</p>	
	<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>ROBERT J. FOLLIARD, III</b></p> <p>06/09/2015</p>

## Attachments

Information not provided.