



(REFERENCE COPY - Not for submission)

LPTV Engineering STA Application

File Number: **0000029607** | Submit Date: **09/01/2017** | Call Sign: **WLCF-LD** | Facility ID: **37482** | FRN: **0015024243**
 State: **Illinois** | City: **DECATUR**
 Service: **LPD** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **09/13/2017** | Expiration Date: **03/13/2018**
 Filing Status: **Active**

General Information

Section	Question	Response
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Fees, Waivers, and Exemptions

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

Application Type	Fee Code	Fee Amount
Engineering STA	MGL	\$190.00
Total		\$190.00

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
CHRISTIAN TELEVISION NETWORK, INC. Applicant Doing Business As: CHRISTIAN TELEVISION NETWORK, INC.	6922 142ND AVENUE N. LARGO, FL 33771 United States	+1 (727) 535-5622	soneal@ctntv.net	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
(3)**

Contact Name	Address	Phone	Email	Contact Type
JOSEPH C CHAUTIN , III . <i>ESQ.</i> HARDY, CAREY, CHAUTIN & BALKIN, LLP	1080 WEST CAUSEWAY APPROACH MANDEVILLE, LA 70471 United States	+1 (985) 629-0777	JCHAUTIN@HARDYCAREY. COM	Legal Representative
CHRIS L MAVROS <i>DE</i> CHRISTIAN TELEVISION NETWORK, INC.	6922 142ND AVE. N. LARGO, FL 33771 United States	+1 (727) 535-5622	CLMAVROS@YAHOO.COM	Technical Representative
W. Jeffrey Reynolds <i>Technical Consultant</i> du Treil, Lundin & Rackley, Inc.	3135 Southgate Circle Sarasota, FL 34239-5515 United States	+1 (941) 329-6013	JEFF@DLR.COM	Technical Representative

Channel and Facility Information

Section	Question	Response
Facility ID	37482	
State	Illinois	
City	DECATUR	
LPD Channel	21	

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1057485
Coordinates (NAD83)	Latitude	39° 57' 03.0" N+
	Longitude	088° 52' 05.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	321.2 meters
	Support Structure Height	304.9 meters
	Ground Elevation (AMSL)	210.3 meters
Antenna Data	Height of Radiation Center Above Ground Level	299 meters
	Height of Radiation Center Above Mean Sea Level	509.3 meters
	Effective Radiated Power	15 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1001998
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	ALP8M1-HSPR-21
	Rotation	40 degrees
	Electrical Beam Tilt	0.25
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
Elevation Radiation Pattern	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:	Full Service

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.894	90	0.734	180	0.894	270	0.221
10	0.966	100	0.75	190	0.795	280	0.204
20	0.998	110	0.794	200	0.674	290	0.176
30	0.993	120	0.853	210	0.531	300	0.179
40	0.961	130	0.912	220	0.377	310	0.247
50	0.912	140	0.961	230	0.247	320	0.377
60	0.853	150	0.993	240	0.179	330	0.531
70	0.794	160	0.998	250	0.176	340	0.674
80	0.750	170	0.966	260	0.204	350	0.795

Additional Azimuths

Degree	V _A
24	1.0
22	1.0
158	1.0
156	1.0

Certification

Section	Question	Response
<p>General Certification Statements</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>Authorized Party to Sign</p>	<p>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</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>Yes</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>Robert D'Andrea <i>President</i></p> <p>09/01/2017</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>29607.pdf</u>	Internal	All Purpose	
<u>WLCF-LD STA Justification Explanation.pdf</u>	Applicant	General Information	STA JUSTIFICATION
<u>WLCF-LD Technical Summary.pdf</u>	Applicant	General Information	TECHNICAL SUMMARY
<u>WLCF-LD TVStudy Analysis Exhibit.pdf</u>	Applicant	General Information	TVSTUDY ANALYSIS