



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000109556** | Submit Date: **03/26/2020** | Call Sign: **WGNM** | Facility ID: **24618** | FRN: **0010360873** | State: **Georgia** | City: **MACON**
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **03/31/2020** | Expiration Date: **05/01/2020**
 Filing Status: **InActive**

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	MGT	\$200.00
Total		\$200.00

**Applicant
Information**

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
CHRISTIAN TELEVISION NETWORK, INC. Doing Business As: CHRISTIAN TELEVISION NETWORK, INC.	Chris Mavros P.O. Box 6922 Clearwater, FL 33758 United States	+1 (727) 535- 5622	clmavros@yahoo. com	Not-for- Profit

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>Legal Counsel</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>Director of Engineering</i> Christian Television Network, Inc.	P.O. Box 6922 Clearwater, FL 33758 United States	+1 (725) 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 United States	+1 (941) 329- 6000	JEFF@DLR.COM	Technical Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	24618
	State	Georgia
	City	MACON
	DTV Channel	45
	Designated Market Area	Macon
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	2

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1045776
Coordinates (NAD83)	Latitude	32° 45' 52.0" N+
	Longitude	083° 33' 32.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	194.0 meters
	Support Structure Height	192.0 meters
	Ground Elevation (AMSL)	150.9 meters
Antenna Data	Height of Radiation Center Above Ground Level	183 meters
	Height of Radiation Center Above Average Terrain	222 meters
	Height of Radiation Center Above Mean Sea Level	333.9 meters
	Effective Radiated Power	21 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006609
Antenna Manufacturer and Model	Manufacturer:	KATHREIN
	Model	75010402
	Rotation	0 degrees
	Electrical Beam Tilt	2
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
DTV and DTS: Elevation 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	

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.992	90	0.303	180	0.126	270	0.843
10	0.965	100	0.239	190	0.165	280	0.903
20	0.918	110	0.175	200	0.227	290	0.943
30	0.844	120	0.113	210	0.293	300	0.966
40	0.75	130	0.082	220	0.369	310	0.975
50	0.651	140	0.101	230	0.466	320	0.981
60	0.555	150	0.126	240	0.578	330	0.987
70	0.462	160	0.132	250	0.682	340	0.995
80	0.377	170	0.123	260	0.772	350	1.000

Additional Azimuths

Degree	V _A
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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>03/26/2020</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WGNM Reduced Pwr Ch 45 STA (expl).pdf</u>	Applicant	General Information	STA Justification
<u>WGNM STA Technical Summary.pdf</u>	Applicant	All Purpose	TECHNICAL SUMMARY