



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000086475 | Submit Date: 10/15/2019 | Call Sign: WTCT | Facility ID: 67786 | FRN: 0005077524 | State: Illinois | City: MARION

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 10/22/2019 | Expiration Date:

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
TRI-STATE CHRISTIAN TV, INC. Applicant Doing Business As: TRI-STATE CHRISTIAN TV, INC.	Michael Daly PO Box 1010 MARION, IL 62959 United States	+1 (618) 997-4700	mjd@tct.tv	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
Kevin T. Fisher T. Fisher Smith & Fisher, LLC	Kevin Fisher 4791 Wintergreen Court Woodbridge, VA 22192 United States	+1 (703) 505- 1751	kevin@smithandfisher.com	Technical Representative
Esq. COLBY M. MAY M. MAY , Esq. . COLBY M. MAY, ESQ., P.C.	Colby May PO Box 15473 WASHINGTON, DC 20003 United States	+1 (202) 544- 5171	CMMAY@MAYLAWOFFICES. COM	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	67786
	State	Illinois
	City	MARION
	DTV Channel	30
	Designated Market Area	Paducah-Cape Girard-Harsbg
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	1

Antenna Location
Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1040116
Coordinates (NAD83)	Latitude	37° 33' 26.0" N+
	Longitude	089° 01' 24.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	152.0 meters
	Support Structure Height	133.0 meters
	Ground Elevation (AMSL)	256.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	121.9 meters
	Height of Radiation Center Above Average Terrain	211.2 meters
	Height of Radiation Center Above Mean Sea Level	377.9 meters
	Effective Radiated Power	82.1 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1005744
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	ATW2G1H2-HSGS-30H
	Rotation	135 degrees
	Electrical Beam Tilt	0.4
	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	1.000	90	0.634	180	0.496	270	0.634
10	0.996	100	0.548	190	0.485	280	0.717
20	0.985	110	0.467	200	0.457	290	0.790
30	0.967	120	0.405	210	0.419	300	0.851
40	0.939	130	0.377	220	0.386	310	0.901
50	0.901	140	0.386	230	0.377	320	0.939
60	0.851	150	0.419	240	0.405	330	0.967
70	0.790	160	0.457	250	0.467	340	0.985
80	0.717	170	0.485	260	0.548	350	0.996

Additional Azimuths

Degree	V _A
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Certification

Section	Question	Response
General Certification Statements	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.).	
	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.	
Authorized Party to Sign	<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>	
	I certify that this application includes all required and relevant attachments.	Yes
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	<p>John B. Casoria Esq. B. Casoria , Esq. . <i>Assistant Secretary</i></p> <p>10/15/2019</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WTCT-DT Channel 30 STA Request Engineering.pdf</u>	Applicant	General Information	WTCT-DT Channel 30 STA Engineering Report, including justification of request and power density calculation