



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000224447 | Submit Date: 11/01/2023 | Call Sign: WFGC | Facility ID: 11123 | FRN: 0005936562 | State: Florida | City: PALM BEACH

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 11/06/2023 | Expiration Date: 05/05/2024 |

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	MPV	\$300.00
Total		\$300.00

**Applicant
Information**

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
CHRISTIAN TELEVISION OF PALM BEACH COUNTY, INC.	PO Box 6922 Clearwater, FL 33758 United States	+1 (727) 535-5622	ctn_fcc@ctnonline.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
(2)

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
Louis R duTreil , Jr . <i>Technical Consultant</i> duTreil Lundin & Rackley Inc	5212 Station Way Sarasota, FL 34233 United States	+1 (941) 329- 6004	bobjr@DLR.com	Technical Representative

Channel and
Facility
Information

Section	Question	Response
Proposed Community of License	Facility ID	11123
	State	Florida
	City	PALM BEACH
	DTV Channel	7
	Designated Market Area	West Palm Beach-Ft. Pierce
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	3

Antenna Location
Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1220033
Coordinates (NAD83)	Latitude	26° 35' 21.2" N+
	Longitude	080° 12' 42.8" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	395.0 meters
	Support Structure Height	377.3 meters
	Ground Elevation (AMSL)	5.5 meters
Antenna Data	Height of Radiation Center Above Ground Level	122 meters
	Height of Radiation Center Above Average Terrain	123 meters
	Height of Radiation Center Above Mean Sea Level	127.5 meters
	Effective Radiated Power	3.48 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1011223
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	THV-5A7-R P220
	Rotation	0 degrees
	Electrical Beam Tilt	1.5
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
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	1.0	90	0.459	180	0.988	270	0.134
10	0.986	100	0.485	190	0.935	280	0.171
20	0.934	110	0.542	200	0.842	290	0.255
30	0.855	120	0.623	210	0.719	300	0.375
40	0.759	130	0.719	220	0.576	310	0.517
50	0.660	140	0.818	230	0.431	320	0.663
60	0.572	150	0.906	240	0.299	330	0.796
70	0.504	160	0.969	250	0.200	340	0.902
80	0.465	170	0.999	260	0.144	350	0.972

Additional Azimuths

Degree	V _A
173	1.000

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	FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID 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. 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).	
	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.	Yolanda Morris <i>President</i> 11/01/2023

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>Engineering STA _ WFGC(224447) _ Reduced Power.docx</u>	Internal	All Purpose	Processed STA Letter
<u>WFGC Engineering STA Request Expl.pdf</u>	Applicant	General Information	STA Explanation