



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000080015 | Submit Date: 08/06/2019 | Call Sign: WTCI | Facility ID: 65667 | FRN: 0001774595 | State: Tennessee | City: CHATTANOOGA

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 08/16/2019 | Expiration Date:

Filing Status: InActive

General Information

Section	Question	Response
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Fees, Waivers, and Exemptions

Section	Question	Response
Waivers	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	

Applicant
Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
THE GREATER CHATTANOOGA PUBLIC TELEVISION CORP Applicant Doing Business As: THE GREATER CHATTANOOGA PUBLIC TELEVISION CORP	Bryan Fuqua 7540 Bonnyshire Drive Chattanooga, TN 37416 United States	+1 (423) 702-7800	bfuqua@wctcitv. org	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
Bryan Fuqua Fuqua THE GREATER CHATTANOOGA PUBLIC TELEVISION CORP	Bryan Fuqua 7540 BONNYSHIRE DRIVE CHATTANOOGA, TN 37416 United States	+1 (423) 702-7800	BFUQUA@WTCITV. ORG	Technical Representative
Bryan Fuqua Fuqua THE GREATER CHATTANOOGA PUBLIC TELEVISION CORP	Bryan Fuqua 7540 Bonnyshire Drive Chattanooga, TN 37416 United States	+1 (423) 702-7800	bfuqua@wtcitv.org	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	65667
	State	Tennessee
	City	CHATTANOOGA
	DTV Channel	35
	Designated Market Area	CHATTANOOGA
Facility Type	Facility Type	Noncommercial Educational
	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	1042763
Coordinates (NAD83)	Latitude	35° 12' 26.0" N+
	Longitude	085° 16' 52.0" W-
	Structure Type	NTOWER-Multiple structs
	Overall Structure Height	150.3 meters
	Support Structure Height	135.6 meters
	Ground Elevation (AMSL)	613.3 meters
Antenna Data	Height of Radiation Center Above Ground Level	117.3 meters
	Height of Radiation Center Above Average Terrain	328.1 meters
	Height of Radiation Center Above Mean Sea Level	730.6 meters
	Effective Radiated Power	32.0 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1005356
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	ATW2G150-HSS-35
	Rotation	180 degrees
	Electrical Beam Tilt	Not Applicable
	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	.496	90	.634	180	1	270	.634
10	.485	100	.717	190	.996	280	.548
20	.457	110	.790	200	.985	290	.467
30	.419	120	.851	210	.967	300	.405
40	.386	130	.901	220	.939	310	.377
50	.377	140	.939	230	.901	320	.386
60	.405	150	.967	240	.851	330	.419
70	.467	160	.985	250	.790	340	.457
80	.548	170	.996	260	.717	350	.485

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	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.	Bryan D Fuqua D Fuqua <i>Interim President and CEO</i> 08/06/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WTCI STA letter.pdf</u>	Applicant	General Information	WTCI STA letter