



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000093152 | Submit Date: 12/11/2019 | Call Sign: WJWJ-TV | Facility ID: 61007 | FRN: 0001861160 |

State: South Carolina | City: BEAUFORT

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 12/18/2019 | 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
<b>SOUTH CAROLINA EDUCATIONAL TV COMMISSION</b> <b>Applicant</b> Doing Business As: SOUTH CAROLINA EDUCATIONAL TV COMMISSION	Mark Jahnke 1041 GEORGE ROGERS BOULEVARD COLUMBIA, SC 29201 United States	+1 (803) 737-3486	mjahnke@scetv.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  
(3)

Contact Name	Address	Phone	Email	Contact Type
<b>Margaret L. Miller L. Miller</b> GRAY MILLER PERSH LLP	2233 Wisconsin Ave NW Ste 226 Washington, DC 20036 United States	+1 (202) 776-2914	MMILLER@GRAYMILLERPERSH.COM	Legal Representative
<b>Derek Teslik</b> Gray Miller Persh, LLP	Derek Teslik 2233 Wisconsin Ave NW Ste 226 Washington, DC 20007-4119 United States	+1 (202) 559-7489	dteslik@graymillerpersh.com	Legal Representative
<b>Ryan Wilhour Wilhour</b> Kessler and Gehman Associates, Inc.	Kessler and Gehman Associates, Inc. 507 NW 60th ST., STE D Gainesville, FL 32607 United States	+1 (352) 332-3157	ryan@kesslerandgehman.com	Technical Representative

Channel and  
Facility  
Information

Section	Question	Response
Proposed Community of License	Facility ID	61007
	State	South Carolina
	City	BEAUFORT
	DTV Channel	44
	Designated Market Area	SAVANNAH
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	1059178
Coordinates (NAD83)	Latitude	32° 42' 42.5" N+
	Longitude	080° 40' 53.8" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	401.6 meters
	Support Structure Height	378.0 meters
	Ground Elevation (AMSL)	4.8 meters
Antenna Data	Height of Radiation Center Above Ground Level	76.2 meters
	Height of Radiation Center Above Average Terrain	76.5 meters
	Height of Radiation Center Above Mean Sea Level	81.0 meters
	Effective Radiated Power	47.8 kW

Antenna  
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006068
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TFU-8WB-R C160
	Rotation	180 degrees
	Electrical Beam Tilt	1.05
	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	0.902	90	0.853	180	0.581	270	0.853
10	0.896	100	0.806	190	0.522	280	0.908
20	0.891	110	0.756	200	0.374	290	0.964
30	0.91	120	0.671	210	0.259	300	0.997
40	0.952	130	0.531	220	0.358	310	0.992
50	0.991	140	0.354	230	0.537	320	0.954
60	0.998	150	0.261	240	0.677	330	0.911
70	0.965	160	0.377	250	0.76	340	0.891
80	0.909	170	0.523	260	0.809	350	0.896

Additional Azimuths

Degree	V <sub>A</sub>
57	1
304	1

## 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	<b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b> 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.	<b>Mark Jahnke Jahnke</b> <i>Vice President and CIO</i>  12/11/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WJWJ Engineering STA Narrative.pdf</u>	Applicant	General Information	WJWJ Engineering STA Narrative