



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000098032 | Submit Date: 01/17/2020 | Call Sign: WJWJ-TV | Facility ID: 61007 | FRN: 0001861160 |

State: South Carolina | City: BEAUFORT

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 01/17/2020 | 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
SOUTH CAROLINA EDUCATIONAL TV COMMISSION Applicant 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
Derek Teslik L. Miller Gray Miller Persh, LLP	2233 Wisconsin Ave NW Ste 226 Washington, DC 20007 United States	+1 (202) 559-7489	dteslik@graymillerpersh.com	Legal Representative
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Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	61007
	State	South Carolina
	City	BEAUFORT
	DTV Channel	32
	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	117 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006238
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	0.772	90	0.880	180	0.614	270	0.875
10	0.787	100	0.830	190	0.567	280	0.922
20	0.828	110	0.763	200	0.448	290	0.965
30	0.889	120	0.659	210	0.337	300	0.991
40	0.951	130	0.517	220	0.369	310	0.985
50	0.992	140	0.374	230	0.513	320	0.946
60	0.998	150	0.340	240	0.657	330	0.885
70	0.973	160	0.448	250	0.760	340	0.825
80	0.929	170	0.567	260	0.826	350	0.785

Additional Azimuths

Degree	V _A
57	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.	Mark Jahnke Jahnke <i>VP and CIO of SCETV</i> 01/17/2020

Attachments

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