



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000016402** | Submit Date: **10/21/2016** | Call Sign: **WITV** | Facility ID: **61005** | FRN: **0001861160** | State: **South Carolina** | City: **CHARLESTON**  
Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **10/26/2016** | Expiration Date: **04/26/2017**  
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**

<b>Applicant</b>	<b>Address</b>	<b>Phone</b>	<b>Email</b>	<b>Applicant Type</b>
<b>SOUTH CAROLINA EDUCATIONAL TV COMMISSION</b> Doing Business As: SOUTH CAROLINA EDUCATIONAL TV COMMISSION	John Castaldo 1041 GEORGE ROGERS BOULEVARD COLUMBIA, SC 29201 United States	+1 (803) 609-0707	castaldo@scetv.org	Government Entity

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**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
<b>William T. Godfrey , Jr.</b> . <i>Consulting Engineers</i> Kessler and Gehman Associates, Inc.	William T. Godfrey, Jr. Kessler and Gehman Associates, Inc. 507-C NW 60th Street Gainesville, FL 32607 United States	+1 (352) 332-3157	bill@kesslerandgehman.com	Technical Representative
<b>MARGARET L. MILLER</b> GRAY MILLER PERSH LLP	1200 NEW HAMPSHIRE AVE NW SUITE 410 WASHINGTON, DC 20036 United States	+1 (202) 776-2914	MMILLER@GRAYMILLERPERSH. COM	Legal Representative

**Channel and Facility Information**

Section	Question	Response
Facility ID	61005	
State	South Carolina	
City	CHARLESTON	
DTV Channel	7	
<b>Facility Type</b>	Facility Type	Noncommercial Educational
	Station Type	Main
<b>Zone</b>	Zone	2

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1051231
<b>Coordinates (NAD83)</b>	Latitude	32° 55' 29.0" N+
	Longitude	079° 41' 57.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	609.6 meters
	Support Structure Height	609.6 meters
	Ground Elevation (AMSL)	4.9 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	558.6 meters
	Height of Radiation Center Above Average Terrain	560.5 meters
	Height of Radiation Center Above Mean Sea Level	563.5 meters
	Effective Radiated Power	20 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1001044
<b>Antenna Manufacturer and Model</b>	Manufacturer:	DIE
	Model	THV-8A7CP-R C150 SM
	Rotation	0 degrees
	Electrical Beam Tilt	0.75
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Circular
<b>DTV and DTS: Elevation Pattern</b>	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
<b>0</b>	.993	<b>90</b>	.510	<b>180</b>	.598	<b>270</b>	.982
<b>10</b>	1.0	<b>100</b>	.438	<b>190</b>	.695	<b>280</b>	.970
<b>20</b>	.995	<b>110</b>	.390	<b>200</b>	.788	<b>290</b>	.961
<b>30</b>	.974	<b>120</b>	.364	<b>210</b>	.870	<b>300</b>	.955
<b>40</b>	.933	<b>130</b>	.356	<b>220</b>	.933	<b>310</b>	.953
<b>50</b>	.870	<b>140</b>	.364	<b>230</b>	.974	<b>320</b>	.955
<b>60</b>	.788	<b>150</b>	.390	<b>240</b>	.995	<b>330</b>	.961
<b>70</b>	.695	<b>160</b>	.438	<b>250</b>	1.000	<b>340</b>	.970
<b>80</b>	.598	<b>170</b>	.510	<b>260</b>	.993	<b>350</b>	.982

**Additional Azimuths**

Degree	V <sub>A</sub>
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**Certification**

Section	Question	Response
<p><b>General Certification Statements</b></p>	<p>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.).</p>	
	<p>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.</p>	
<p><b>Authorized Party to Sign</b></p>	<p><b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b></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>	
	<p>I certify that this application includes all required and relevant attachments.</p>	<p>Yes</p>
	<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Linda O'Bryon</b> <i>President &amp; CEO</i></p> <p>10/21/2016</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">Eng Tech Statement WITV-DT CH 7 STA.pdf</a>	Applicant	General Information	Reason for Emergency STA
<a href="#">WITV STA Request.pdf</a>	Applicant	All Purpose	Special Temporary Authority Request