



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000198330 | Submit Date: 08/25/2022 | Call Sign: WNTV | Facility ID: 61010 | FRN: 0001861160 | State: South Carolina | City: GREENVILLE

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 09/02/2022 | Expiration Date: 03/01/2023 |

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	Mark Jahnke 1041 GEORGE ROGERS BOULEVARD COLUMBIA, SC 29201 United States	+1 (803) 737-3486	mjahnke@scetv.org	Government Entity

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
Margaret Miller Gray Miller Persh LLP	Margaret L. Miller 2233 Wisconsin Ave NW Ste 226 Washington, DC 20007 United States	+1 (202) 776-2914	mmiller@graymillerpersh.com	Legal Representative
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Ryan C Wilhour <i>Consulting Engineer</i> 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	61010
	State	South Carolina
	City	GREENVILLE
	DTV Channel	8
	Designated Market Area	GREENVLL-SPART-ASHEVLL-AND
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?	No
	ASR Number	
Coordinates (NAD83)	Latitude	34° 56' 28.4" N+
	Longitude	082° 24' 37.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	87.8 meters
	Support Structure Height	70.2 meters
	Ground Elevation (AMSL)	618.7 meters
Antenna Data	Height of Radiation Center Above Ground Level	78.4 meters
	Height of Radiation Center Above Average Terrain	389.3 meters
	Height of Radiation Center Above Mean Sea Level	697.1 meters
	Effective Radiated Power	180.0 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	1003897
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	THV-9A8/VP-R C160 SP
	Rotation	305 degrees
	Electrical Beam Tilt	0.5
	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	0.582	90	0.996	180	0.988	270	0.654
10	0.654	100	0.988	190	0.996	280	0.582
20	0.734	110	0.978	200	1.000	290	0.523
30	0.812	120	0.971	210	0.994	300	0.483
40	0.881	130	0.966	220	0.973	310	0.460
50	0.936	140	0.964	230	0.936	320	0.453
60	0.973	150	0.966	240	0.881	330	0.460
70	0.994	160	0.971	250	0.812	340	0.483
80	1.000	170	0.978	260	0.734	350	0.523

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.	Mark Jahnke <i>Vice President and CIO</i> 08/25/2022

Attachments

File Name	Uploaded By	Attachment Type	Description
WNTV_Engineering_STA_Narrative.pdf	Applicant	General Information	WNTV Engineering STA Narrative
WNTV Tower FAA Determination Letter.pdf	Applicant	General Information	WNTV - FAA Determination Letter