



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000115802 | Submit Date: 06/04/2020 | Call Sign: WCIQ | Facility ID: 711 | FRN: 0001750314 | State: Alabama | City: MOUNT CHEAHA

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 06/17/2020 | 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
ALABAMA EDUCATIONAL TELEVISION COMMISSION Applicant Doing Business As: ALABAMA EDUCATIONAL TELEVISION COMMISSION	Windell L. Wood 2112 11TH AVE South Suite 400 BIRMINGHAM, AL 35205 United States	+1 (205) 451-0132	wwood@aptv. 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
ESQ M. SCOTT JOHNSON SCOTT JOHNSON , ESQ . Smithwick & Belendiuk PC	M. SCOTT JOHNSON 5028 WISCONSIN AVENUE NW SUITE 301 WASHINGTON, DC 22209 United States	+1 (202) 256-5941	sjohnson@fccworld.com	Legal Representative
Ryan Wilhour Wilhour Kessler and Gehman Associates, Inc.	507 NW 60th Street Suite C 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	711
	State	Alabama
	City	MOUNT CHEAHA
	DTV Channel	7
	Designated Market Area	BIRMINGHAM
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	1036421
Coordinates (NAD83)	Latitude	33° 29' 06.4" N+
	Longitude	085° 48' 31.9" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	176.1 meters
	Support Structure Height	176.1 meters
	Ground Elevation (AMSL)	731.5 meters
Antenna Data	Height of Radiation Center Above Ground Level	126.5 meters
	Height of Radiation Center Above Average Terrain	560.9 meters
	Height of Radiation Center Above Mean Sea Level	858.0 meters
	Effective Radiated Power	8.5 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006874
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TLS-V4/VP-R
	Rotation	0 degrees
	Electrical Beam Tilt	1.00
	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	0.640	90	0.623	180	0.640	270	1.000
10	0.593	100	0.618	190	0.696	280	0.995
20	0.561	110	0.604	200	0.756	290	0.978
30	0.546	120	0.584	210	0.815	300	0.952
40	0.549	130	0.564	220	0.868	310	0.915
50	0.564	140	0.549	230	0.915	320	0.868
60	0.584	150	0.546	240	0.952	330	0.815
70	0.604	160	0.561	250	0.978	340	0.756
80	0.618	170	0.593	260	0.995	350	0.696

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.	Windell L. Wood L. Wood <i>COO and Technical Director</i> 06/04/2020

Attachments

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