



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000059778** | Submit Date: **09/21/2018** | Call Sign: **WGIQ** | Facility ID: **710** | FRN: **0001750314** | State:

**Alabama** | City: **LOUISVILLE**

Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **09/25/2018** | Expiration Date:

Filing Status: **InActive**

General Information

Section	Question	Response
---------	----------	----------

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 AVENUE 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
<b>Scott Johnson Johnson</b> Fletcher, Heald & Hildreth, PLC	1300 N. 17th Street Suite 1100 Arlington, VA 22209 United States	+1 (703) 812- 0474	sjohnson@fhhlaw.com	Legal Representative
<b>Ryan Wilhour Wilhour</b> Kessler and Gehman Associates, Inc.	507 NW 60th Street Suite 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	710
	State	Alabama
	City	LOUISVILLE
	DTV Channel	44
	Designated Market Area	DOTHAN
Facility Type	Facility Type	Noncommercial Educational
	Station Type	Main
Zone	Zone	3

Antenna Location  
Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1036417
Coordinates (NAD83)	Latitude	31° 43' 05.0" N+
	Longitude	085° 26' 03.0" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	229.8 meters
	Support Structure Height	229.8 meters
	Ground Elevation (AMSL)	178.9 meters
Antenna Data	Height of Radiation Center Above Ground Level	173.7 meters
	Height of Radiation Center Above Average Terrain	226.4 meters
	Height of Radiation Center Above Mean Sea Level	352.6 meters
	Effective Radiated Power	870 kW

Antenna  
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1004145
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TUA-P2-9/18M-1-S
	Rotation	0 degrees
	Electrical Beam Tilt	0.75
	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	0.937	90	0.085	180	0.935	270	0.106
10	0.997	100	0.119	190	0.788	280	0.092
20	0.984	110	0.240	200	0.618	290	0.087
30	0.949	120	0.334	210	0.468	300	0.007
40	0.782	130	0.528	220	0.354	310	0.194
50	0.505	140	0.807	230	0.191	320	0.357
60	0.353	150	0.940	240	0.029	330	0.467
70	0.248	160	0.989	250	0.103	340	0.618
80	0.133	170	0.996	260	0.104	350	0.791

Additional Azimuths

Degree	V <sub>A</sub>
168	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	<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>Windell L. Wood L. Wood</b> <i>Chief Operating Officer</i>  09/21/2018

Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">Interim - C-70640-1 WGIQ EZ Prop 2017-9-a.pdf</a>	Applicant	All Purpose	Antenna Technical Information
<a href="#">WGIQ Engineering STA Narrative.pdf</a>	Applicant	General Information	WGIQ Engineering STA Narrative