



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000092770** | Submit Date: **12/05/2019** | Call Sign: **WACX** | Facility ID: **60018** | FRN: **0005086111** | State: **Florida** | City: **LEESBURG**
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **12/10/2019** | Expiration Date: **05/01/2020**
 Filing Status: **Active**

General Information

Section	Question	Response
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Fees, Waivers, and Exemptions

Section	Question	Response
Fees	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
Waivers	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	

Application Type	Fee Code	Fee Amount
Engineering STA	MGT	\$200.00
Total		\$200.00

**Applicant
Information**

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
ASSOCIATED CHRISTIAN TELEVISION SYSTEM, INC. Doing Business As: ASSOCIATED CHRISTIAN TELEVISION SYSTEM, INC.	Claud Bowers 123 E. Central Parkway ALTAMONTE SPRINGS, FL 32701 United States	+1 (407) 263-4040	ccb@superchannel. com	Not-for-Profit

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
JAMES A. KOERNER , ESQ. . <i>ATTORNEY</i> KOERNER & OLENDER, P.C.	JAMES A. KOERNER 7020 Richard Drive BETHESDA, MD 20817 United States	+1 (301) 468- 3336	JKOERNER. LAW@COMCAST.NET	Legal Representative
Eric R. Wandel , P.E. . Wavepoint Research, Inc.	Eric R. Wandel PO Box 96 Crane, IN 47502 United States	+1 (812) 453- 2544	eric@wavepointresearch.com	Technical Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	60018
	State	Florida
	City	LEESBURG
	DTV Channel	40
	Designated Market Area	Orlando-Daytona Bch-Melbrn
Facility Type	Facility Type	Commercial
	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	1212124
Coordinates (NAD83)	Latitude	28° 35' 12.6" N+
	Longitude	081° 04' 57.5" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	512.7 meters
	Support Structure Height	479.8 meters
	Ground Elevation (AMSL)	20.4 meters
Antenna Data	Height of Radiation Center Above Ground Level	419.1 meters
	Height of Radiation Center Above Average Terrain	427.0 meters
	Height of Radiation Center Above Mean Sea Level	439.5 meters
	Effective Radiated Power	600 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006047
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TFU-24WB/VP-R S230
	Rotation	0 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	0.174	90	0.291	180	0.860	270	0.755
10	0.228	100	0.398	190	0.919	280	0.712
20	0.294	110	0.494	200	0.967	290	0.673
30	0.333	120	0.572	210	0.995	300	0.630
40	0.332	130	0.625	220	0.997	310	0.572
50	0.293	140	0.670	230	0.972	320	0.496
60	0.226	150	0.709	240	0.926	330	0.400
70	0.172	160	0.751	250	0.867	340	0.293
80	0.197	170	0.802	260	0.808	350	0.199

Additional Azimuths

Degree	V _A
72	0.169
358	0.171
34	0.338
216	1.000

Certification

Section	Question	Response
<p>General Certification Statements</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>Authorized Party to Sign</p>	<p>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</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>Claud Bowers <i>President</i></p> <p>12/05/2019</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WACX Reason for STA.docx</u>	Applicant	General Information	Reason for STA
<u>WACX STA APP - ENGINEERING EXHIBIT.pdf</u>	Applicant	General Information	Engineering Exhibit for STA