



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000115886** | Submit Date: **06/08/2020** | Call Sign: **WDEF-TV** | Facility ID: **54385** | FRN: **0015347529**
 State: **Tennessee** | City: **CHATTANOOGA**
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **06/17/2020** | Expiration Date: **12/30/2020**
 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
WDEF-TV, INC. Doing Business As: WDEF-TV, INC.	Bobby Berry 301 Poplar Street Macon, GA 31201 United States	+1 (478) 745- 4141	bberry@morrisnetwork. com	Corporation

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
Anne Goodwin Crump FLETCHER, HEALD & HILDRETH, P.L.C.	1300 NORTH 17TH STREET Eleventh Floor ARLINGTON, VA 22209 United States	+1 (703) 812- 0426	CRUMP@FHHLAW. COM	Legal Representative
Ray Luke <i>TECHNICAL CONSULTANT</i> Custom Specialty Services, LLC	Ray Luke 17363 Carlton Cuebas Rd Gulfport, MS 39503 United States	+1 (228) 297- 2500	ray.css@att.net	Technical Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	54385
	State	Tennessee
	City	CHATTANOOGA
	DTV Channel	8
	Designated Market Area	Chattanooga
Facility Type	Facility Type	Commercial
	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	1043735
Coordinates (NAD83)	Latitude	35° 08' 05.0" N+
	Longitude	085° 19' 24.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	116.0 meters
	Support Structure Height	93.0 meters
	Ground Elevation (AMSL)	582.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	100.3 meters
	Height of Radiation Center Above Average Terrain	300 meters
	Height of Radiation Center Above Mean Sea Level	682.3 meters
	Effective Radiated Power	26 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006884
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	ALV8V7-HSOC-8
	Rotation	0.0 degrees
	Electrical Beam Tilt	1.75
	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	1.00	90	0.669	180	0.677	270	0.669
10	0.995	100	0.633	190	0.673	280	0.716
20	0.979	110	0.611	200	0.661	290	0.769
30	0.952	120	0.603	210	0.643	300	0.822
40	0.917	130	0.610	220	0.625	310	0.873
50	0.873	140	0.625	230	0.610	320	0.917
60	0.822	150	0.643	240	0.603	330	0.952
70	0.769	160	0.661	250	0.611	340	0.979
80	0.716	170	0.673	260	0.633	350	0.995

Additional Azimuths

Degree	V _A
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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>Bobby Berry <i>Chief Operating Officer</i></p> <p>06/08/2020</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WDEF.ExtraordinaryCircumstances.Exhibit (01432940xB3D1E).docx</u>	Applicant	General Information	Extraordinary Circumstances Requiring Use of Temporary Facilities