



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000177307** | Submit Date: **12/15/2021** | Call Sign: **WMAE-TV** | Facility ID: **43170** | FRN: **0001739002**
State: **Mississippi** | City: **BOONEVILLE**
Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **01/04/2022** | Expiration Date: **07/03/2022**
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
MISSISSIPPI AUTHORITY FOR EDUCATIONAL TV Doing Business As: MISSISSIPPI AUTHORITY FOR EDUCATIONAL TV	Greg Wells 3825 RIDGEWOOD ROAD JACKSON, MS 39211 United States	+1 (601) 624-3187	Greg. Wells@mpbonline. 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
(2)**

Contact Name	Address	Phone	Email	Contact Type
William T. Godfrey , Jr . <i>Consulting Engineers</i> Kessler and Gehman Associates, Inc.	William T. Godfrey, Jr. Kessler and Gehman Associates, Inc. 507-D NW 60th Street Gainesville, FL 32607-2055 United States	+1 (352) 332- 3157	bill@kesslerandgehman. com	Technical Representative
Margaret L Miller <i>Partner</i> Gray Miller Persh LLP	2233 Wisconsin Ave, NW Suite 226 WASHINGTON, DC 20007 United States	+1 (202) 776- 2914	mmiller@graymillerpersh. com	Legal Representative

**Channel and
Facility
Information**

Section	Question	Response
Proposed Community of License	Facility ID	43170
	State	Mississippi
	City	BOONEVILLE
	DTV Channel	9
	Designated Market Area	COLUMBUS-TUPELO- WEST POINT
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	1041045
Coordinates (NAD83)	Latitude	34° 40' 00.3" N+
	Longitude	088° 45' 05.2" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	176.2 meters
	Support Structure Height	152.4 meters
	Ground Elevation (AMSL)	218.8 meters
Antenna Data	Height of Radiation Center Above Ground Level	117.7 meters
	Height of Radiation Center Above Average Terrain	177.4 meters
	Height of Radiation Center Above Mean Sea Level	336.5 meters
	Effective Radiated Power	30 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1009027
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TLS-V4-B
	Rotation	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	0.662	90	1.000	180	0.662	270	0.656
10	0.711	100	0.995	190	0.622	280	0.651
20	0.766	110	0.978	200	0.596	290	0.639
30	0.820	120	0.952	210	0.586	300	0.622
40	0.871	130	0.916	220	0.590	310	0.604
50	0.916	140	0.871	230	0.604	320	0.590
60	0.952	150	0.820	240	0.622	330	0.586
70	0.978	160	0.766	250	0.639	340	0.596
80	0.995	170	0.711	260	0.651	350	0.622

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>William T. Godfrey , Jr . <i>KGA - Consulting Engineers</i></p> <p>12/15/2021</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
Dielectric TLS-V4-B (C-71690-1).pdf	Applicant	All Purpose	Antenna Electrical & Mechanical Data
Purpose of WMAE-D9 STA.pdf	Applicant	General Information	Purpose of Engineering STA