Approved by OMB (Office of Management and Budget) 3060-0386
July 2002

Federal Communications Commission

(REFERENCE COPY - Not for submission)

LPTV Engineering STA Application

File Number: **0000074848** | Submit Date: **06/20/2019** | Call Sign: **W21DB-D** | Facility ID: **185229** | FRN: **0018223693**
State: **Mississippi** | City: **MERIDIAN**
Service: **LPD** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **06/26/2019** | Expiration Date:
Filing Status: **InActive**

General Information

Section	Question	Response

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	MGL	$200.00
	Total	**$200.00**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
GRAY TELEVISION LICENSEE, LLC **Applicant** Doing Business As: GRAY TELEVISION LICENSEE, LLC	4370 PEACHTREE ROAD, NE ATLANTA, GA 30319 United States	+1 (202) 750-1585	Robert. Folliard@gray.tv	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
P.E. Joseph M. Davis M. Davis , P.E. . Chesapeake RF Consultants, LLC	207 Old Dominion Road Yorktown, VA 23692 United States	+1 (703) 650-9600	Joseph.Davis@RF-consultants.com	Technical Representative
Joan Stewart Stewart Wiley Rein LLP	1776 K Street, NW Washington, DC 20006 United States	+1 (202) 719-7438	jstewart@wileyrein.com	Legal Representative

Channel and Facility Information

Section	Question	Response
Facility ID	185229	
State	Mississippi	
City	MERIDIAN	
LPD Channel	21	

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	No
	ASR Number	
Coordinates (NAD83)	Latitude	32° 21' 56.5" N+
	Longitude	088° 42' 06.6" W-
	Structure Type	BTWR-Building with TOWER /ANTENNA on top
	Overall Structure Height	17.4 meters
	Support Structure Height	14.3 meters
	Ground Elevation (AMSL)	106.7 meters
Antenna Data	Height of Radiation Center Above Ground Level	16.5 meters
	Height of Radiation Center Above Mean Sea Level	123.2 meters
	Effective Radiated Power	0.005 kW

Antenna Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1005136
Antenna Manufacturer and Model	Manufacturer:	KAT
	Model	K723147 1x2
	Rotation	45 degrees
	Electrical Beam Tilt	Not Applicable
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
Elevation Radiation 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	
	Out-of-Channel Emission Mask:	Simple

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	.931	**90**	.431	**180**	.070	**270**	.431
10	.852	**100**	.317	**190**	.045	**280**	.570
20	.727	**110**	.199	**200**	.048	**290**	.743
30	.832	**120**	.129	**210**	.119	**300**	.943
40	.960	**130**	.095	**220**	.069	**310**	1.00
50	1.000	**140**	.069	**230**	.095	**320**	.960
60	.943	**150**	.119	**240**	.129	**330**	.832
70	.742	**160**	.048	**250**	.199	**340**	.727
80	.570	**170**	.045	**260**	.317	**350**	.850

Additional Azimuths

Degree	V_A

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.	**Robert J. Folliard III J. Folliard , III .** *Assistant Secretary* 06/20/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
W21DB STA Exhibit.pdf	Applicant	General Information	STA Exhibit