



(REFERENCE COPY - Not for submission)

Digital Class A Engineering STA Application

File Number: 0000240426 | Submit Date: 03/05/2024 | Call Sign: WBXC-CD | Facility ID: 70428 | FRN: 0018223693 |

State: Illinois | City: CHAMPAIGN/URBANA

Service: DCA | Purpose: Engineering STA | Status: Granted | Status Date: 03/07/2024 | Expiration Date: 09/06/2024 |

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	MPV	\$300.00
Total		\$300.00

Applicant  
Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Gray Television Licensee, LLC Doing Business As: WBXC-CD	4370 Peachtree Road, NE Atlanta, GA 30319 United States	+1 (404) 288-8333	allfccclms@gray.tv	Limited Liability Company

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
David Burke <i>SVP and CTO</i> Gray Television	201 Monroe St RSA TOWER, 20th FLOOR MONTGOMERY, AL 36104 United States	+1 (334) 206-1475	david.burke@gray.tv	Technical Representative
Joan Stewart Wiley Rein LLP	2050 M Street, NW Washington, DC 20036 United States	+1 (202) 719-7438	jstewart@wiley.law	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	70428
	State	Illinois
	City	CHAMPAIGN/URBANA
	DCA Channel	18
	Designated Market Area	Champaign&Sprngfld-Decatur

Antenna Location  
Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1032919
Coordinates (NAD83)	Latitude	40° 06' 40.0" N+
	Longitude	088° 14' 35.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	106.4 meters
	Support Structure Height	100.7 meters
	Ground Elevation (AMSL)	223.8 meters
Antenna Data	Height of Radiation Center Above Ground Level	83.5 meters
	Height of Radiation Center Above Mean Sea Level	307.3 meters
	Effective Radiated Power	3 kW

Antenna  
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1011538
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TLP-16H(SP)
	Rotation	235 degrees
	Electrical Beam Tilt	1.00
	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	0.920	90	1.000	180	0.920	270	0.220
10	0.970	100	0.990	190	0.850	280	0.210
20	1.000	110	0.960	200	0.720	290	0.200
30	0.980	120	0.920	210	0.600	300	0.250
40	0.960	130	0.920	220	0.440	310	0.320
50	0.920	140	0.960	230	0.320	320	0.440
60	0.920	150	0.980	240	0.250	330	0.600
70	0.960	160	1.000	250	0.200	340	0.720
80	0.990	170	0.970	260	0.210	350	0.850

Additional Azimuths

Degree	V <sub>A</sub>
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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>Robert Folliard , III .</b> <i>Assistant Secretary</i>  03/05/2024

Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">WBXC-CD Exhibit.pdf</a>	Applicant	General Information	WBXC-CD Exhibit