



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000079797 | Submit Date: 08/01/2019 | Call Sign: WQCW | Facility ID: 65130 | FRN: 0018223693 | State: Ohio | City: PORTSMOUTH

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 08/06/2019 | Expiration Date:

Filing Status: InActive

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
GRAY TELEVISION LICENSEE, LLC Applicant Doing Business As: GRAY TELEVISION LICENSEE, LLC	WQCW 4370 PEACHTREE ROAD, NE ATLANTA, GA 30319 United States	+1 (202) 505- 2401	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
(4)

Contact Name	Address	Phone	Email	Contact Type
Aaron Withrow M. Davis , P.E. . WSAZ Television	645 5th Avenue Huntington, WV 25701 United States	+1 (304) 697-4780	aaron.withrow@wsaz.com	Technical Representative
Sam Hariton Widely, Inc.	4031 University Drive Fairfax, VA 22030 United States	+1 (339) 222-8107	sam.hariton@widely.com	Compliance & Project Management
JOAN STEWART STEWART WILEY REIN LLP	1776 K STREET, N. W. WASHINGTON, DC 20006 United States	+1 (202) 719-7438	JSTEWART@WILEYREIN.COM	Legal Representative
Aaron Withrow Engineer WSAZ Television	Aaron Withrow 645 5th Avenue Huntington, WV 25701 United States	+1 (304) 697-4780	aaron.withrow@wsaz.com	Technical Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	65130
	State	Ohio
	City	PORTSMOUTH
	DTV Channel	17
	Designated Market Area	Charleston-Huntington
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	1

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1035121
Coordinates (NAD83)	Latitude	38° 30' 36.3" N+
	Longitude	082° 13' 09.5" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	313.9 meters
	Support Structure Height	294.5 meters
	Ground Elevation (AMSL)	308.2 meters
Antenna Data	Height of Radiation Center Above Ground Level	250.2 meters
	Height of Radiation Center Above Average Terrain	332.0 meters
	Height of Radiation Center Above Mean Sea Level	558.4 meters
	Effective Radiated Power	610 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1005327
Antenna Manufacturer and Model	Manufacturer:	RFS
	Model	SBB-24C170
	Rotation	180 degrees
	Electrical Beam Tilt	1.0
	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	0.867	90	0.873	180	0.290	270	0.850
10	0.881	100	0.777	190	0.252	280	0.915
20	0.908	110	0.662	200	0.194	290	0.963
30	0.942	120	0.529	210	0.184	300	0.992
40	0.970	130	0.383	220	0.270	310	0.988
50	0.995	140	0.252	230	0.406	320	0.964
60	0.999	150	0.194	240	0.545	330	0.931
70	0.982	160	0.228	250	0.669	340	0.897
80	0.941	170	0.279	260	0.770	350	0.874

Additional Azimuths

Degree	V _A
57	1.000
303	0.994

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 Folliard III Folliard , III . <i>Assistant Secretary</i> 08/01/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WQCW STA request for interim antenna ENG 07-26-2019.pdf</u>	Applicant	All Purpose	WQCW STA engineering exhibits