Approved by OMB (Office of Management and Budget) 3060-0027
September 2014

Federal Communications Commission

(REFERENCE COPY - Not for submission)

Channel Substitution/Community of License Change

File Number: **0000203784** | Submit Date: **11/18/2022** | Call Sign: **WBRA-TV** | Facility ID: **5981** | FRN: **0004654091** | State: **Virginia** | City: **ROANOKE**

Service: **DTV** | Purpose: **Rule Making** | Status: **Superceded** | Status Date: **03/15/2023** | Filing Status: **InActive**

General Information

Section	Question	Response
Attachments	Are attachments (other than associated schedules) being filed with this application?	Yes

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
BLUE RIDGE PUBLIC TELEVISION, INC. Doing Business As: Blue Ridge PBS	William Anderson 1215 McNeil Dr. ROANOKE, VA 24015 United States	+1 (540) 334-0991	wanderson@blueridgepbs.org	Not-for-Profit

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
Brad Deutsch Foster Garvey PC	1000 Potomac Street, N.W. Suite 200 Washington, DC 20007 United States	+1 (202) 298-1793	brad.deutsch@foster.com	Legal Representative
William T. Godfrey , Jr . *Consulting Engineers* 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

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	5981
	State	Virginia
	City	ROANOKE
	DTV Channel	13
	Designated Market Area	ROANOKE-LYNCHBURG
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	1017598
Coordinates (NAD83)	Latitude	37° 11' 46.0" N+
	Longitude	080° 09' 16.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	82.8 meters
	Support Structure Height	60.5 meters
	Ground Elevation (AMSL)	1140.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	68.4 meters
	Height of Radiation Center Above Average Terrain	630.6 meters
	Height of Radiation Center Above Mean Sea Level	1208.4 meters
	Effective Radiated Power	66 kW

Antenna Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1010251
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	THV-10A13/VP-R C150
	Rotation	0 degrees
	Electrical Beam Tilt	1.0
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
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	1.000	**90**	0.939	**180**	0.532	**270**	0.939
10	0.998	**100**	0.870	**190**	0.524	**280**	0.980
20	0.992	**110**	0.778	**200**	0.508	**290**	0.996
30	0.986	**120**	0.675	**210**	0.500	**300**	0.996
40	0.985	**130**	0.583	**220**	0.521	**310**	0.990
50	0.990	**140**	0.521	**230**	0.583	**320**	0.985
60	0.996	**150**	0.500	**240**	0.675	**330**	0.986
70	0.996	**160**	0.508	**250**	0.778	**340**	0.992
80	0.980	**170**	0.524	**260**	0.870	**350**	0.998

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.	**Will Anderson** *President and CEO* 11/18/2022

Attachments

File Name	Uploaded By	Attachment Type	Description
C-71966-1 WBRA CH13 EZ_Prop.pdf	Applicant	Antenna Technical Data	Antenna Electrical and Mechanical Data
Engineering Technical Statement (WBRA-TV PFRM).pdf	Applicant	All Purpose	Engineering Technical Statement
Exhibit 1 - WBRA-TV CH13 Tower Profile View (TM).pdf	Applicant	All Purpose	Exhibit 1 - WBRA-TV CH13 Tower Profile View (TM)
Exhibit 2 - WBRA-D3 LIC vs. WBRA-D13 APP (DIE).pdf	Applicant	All Purpose	Exhibit 2 - WBRA-D3 LIC vs. WBRA-D13 APP (DIE)
Exhibit 3 - PBS Population Loss Study Map.pdf	Applicant	All Purpose	Exhibit 3 - PBS Population Loss Study Map
WBRA-TV Channel 13 TVStudy Report.pdf	Applicant	All Purpose	WBRA-TV Channel 13 TVStudy Report
WBRA-TV - Channel Substitution Petition for Rulemaking (LMS).pdf	Applicant	All Purpose	WBRA-TV - Channel Substitution Petition for Rulemaking (LMS)