



(REFERENCE COPY - Not for submission)

# LPTV Engineering STA Application

File Number: **0000153210** | Submit Date: **07/16/2021** | Call Sign: **W51EG-D** | Facility ID: **167359** | FRN: **0002017572**  
State: **West Virginia** | City: **PARKERSBURG**  
Service: **LPD** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **08/05/2021** | Expiration Date:  
Filing Status: **Active**

## General Information

Section	Question	Response
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## Fees, Waivers, and Exemptions

Section	Question	Response
<b>Fees</b>	Is the applicant exempt from FCC application Fees?	Yes
	Indicate reason for fee exemption:	Non-Commercial Educational Entity
<b>Waivers</b>	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**

<b>Applicant</b>	<b>Address</b>	<b>Phone</b>	<b>Email</b>	<b>Applicant Type</b>
<b>WEST VIRGINIA EDUCATIONAL BROADCASTING AUTHORITY</b> <b>Applicant</b> Doing Business As: WEST VIRGINIA EDUCATIONAL BROADCASTING AUTHORITY	Chuck Roberts 600 CAPITOL STREET CHARLESTON, WV 25301 United States	+1 (304) 556-4903	croberts@wvpublic. org	Other

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**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
<b>Tom W Davidson W Davidson</b> Akin Gump Strauss Hauer & Feld LLP	Tom W Davidson 2001 K Street Northwest Washington, DC 20006 United States	+1 (202) 887-4011	tdavidson@akingump.com	Legal Representative
<b>Ryan C Wilhour C Wilhour</b> Kessler and Gehman Associates, Inc.	507 NW 60TH ST STE D Gainesville, FL 32618 United States	+1 (352) 332-3157	ryan@kesslerandgehman.com	Technical Representative

**Channel and Facility Information**

Section	Question	Response
Facility ID	167359	
State	West Virginia	
City	PARKERSBURG	
LPD Channel	34	

**Primary station proposed to be rebroadcast:**

Facility Id	Call Sign	City	State
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**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1035125
<b>Coordinates (NAD83)</b>	Latitude	39° 12' 44.1" N+
	Longitude	081° 35' 29.7" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	65.5 meters
	Support Structure Height	61.0 meters
	Ground Elevation (AMSL)	279.8 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	57 meters
	Height of Radiation Center Above Mean Sea Level	336.8 meters
	Effective Radiated Power	3.2 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	90137
<b>Antenna Manufacturer and Model</b>	Manufacturer:	RFS
	Model	RD08A-662806L1S00(MOD)
	Rotation	35 degrees
	Electrical Beam Tilt	1
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
<b>Elevation Radiation Pattern</b>	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:	Stringent

**Directional Antenna Relative Field Values (Pre-rotated Pattern)**

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.895	90	0.775	180	0.257	270	0.778
10	0.908	100	0.684	190	0.227	280	0.873
20	0.921	110	0.593	200	0.183	290	0.951
30	0.942	120	0.497	210	0.194	300	0.993
40	0.974	130	0.392	220	0.278	310	0.998
50	0.995	140	0.28	230	0.393	320	0.976
60	0.985	150	0.197	240	0.502	330	0.944
70	0.94	160	0.184	250	0.599	340	0.918
80	0.865	170	0.226	260	0.688	350	0.901

**Additional Azimuths**

Degree	V <sub>A</sub>
52	0.996
307	1
204	0.178
156	0.179

**Certification**

Section	Question	Response
<p><b>General Certification Statements</b></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><b>Authorized Party to Sign</b></p>	<p><b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b></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><b>Chuck Roberts Roberts</b> <i>Executive Director</i></p> <p>07/16/2021</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#"><u>W34FE - W51EG Engineering STA Narrative.pdf</u></a>	Applicant	All Purpose	W34FE - W51EG Engineering STA Narrative

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