



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000081854** | Submit Date: **09/23/2019** | Call Sign: **WLFB** | Facility ID: **37806** | FRN: **0002058089** | State: **West Virginia** | City: **BLUEFIELD**

Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **09/24/2019** | 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?	Yes
	Indicate reason for fee exemption:	Fee Exempt
Waivers	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

Applicant	Address	Phone	Email	Applicant Type
LIVING FAITH MINISTRIES, INC. Applicant Doing Business As: LIVING FAITH MINISTRIES, INC.	P.O. BOX 1867 ABINGDON, VA 24212 United States	+1 (276) 676-3806	lisa@livingfaithtv.com	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
(3)

Contact Name	Address	Phone	Email	Contact Type
Stephen Hartzell Hartzell Brooks, Pierce et al.	150 Fayetteville Street Suite 1700 Raleigh, NC 27601 United States	+1 (919) 839-0300	shartzell@brookspierce.com	Legal Representative
Timothy Z Sawyer Z Sawyer TZ Sawyer Technical Consultants	2130 Hutchison Grove Court Suite 100 Falls Church, VA 22043 United States	+1 (703) 848-2130	tzsawyer@tzsawyer.com	Technical Representative
Marcus W Trathen Brooks, Pierce et al.	150 Fayetteville Street Suite 1700 RALEIGH, NC 27601 United States	+1 (919) 839-0300	mtrathen@brookspierce.com	Legal Representative

Channel and
Facility
Information

Section	Question	Response
Proposed Community of License	Facility ID	37806
	State	West Virginia
	City	BLUEFIELD
	DTV Channel	25
	Designated Market Area	Bluefield-Beckley-Oak Hill
Facility Type	Facility Type	Commercial
	Station Type	Main
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	1219321
Coordinates (NAD83)	Latitude	37° 13' 12.3" N+
	Longitude	081° 15' 19.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	129.5 meters
	Support Structure Height	128.6 meters
	Ground Elevation (AMSL)	1169.8 meters
Antenna Data	Height of Radiation Center Above Ground Level	67 meters
	Height of Radiation Center Above Average Terrain	411.8 meters
	Height of Radiation Center Above Mean Sea Level	1236.8 meters
	Effective Radiated Power	300 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1005587
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	ALP16M2-HSP-25
	Rotation	0 degrees
	Electrical Beam Tilt	0.50
	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	0.817	90	.700	180	.968	270	.228
10	.908	100	.679	190	.908	280	.247
20	.968	110	.700	200	.817	290	.228
30	.997	120	.753	210	.705	300	.181
40	.993	130	.822	220	.567	310	.176
50	.957	140	.898	230	.417	320	.272
60	.898	150	.957	240	.272	330	.417
70	.822	160	.993	250	.176	340	.567
80	.753	170	.997	260	.181	350	.705

Additional Azimuths

Degree	V _A
36.0	1.000
164.0	1.000

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.	Michael Smith Smith <i>President</i> 09/23/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WLFB 300KW STA ENGINEERING STATEMENT WITH ATTACHEMENTS.pdf</u>	Applicant	All Purpose	WLFB Engineering Statement - Interim STA Operation with Supporting Data & Exhibits,
<u>WLFB - Exhibit for Post-Transition Channel Interim Operation STA Request.pdf</u>	Applicant	All Purpose	Exhibit for Post-Transition Channel Interim Operation STA Request