



(REFERENCE COPY - Not for submission)

LPTV Engineering STA Application

File Number: **0000157771** | Submit Date: **08/23/2021** | Call Sign: **K18FR-D** | Facility ID: **50584** | FRN: **0001549252** | State: **Oregon** | City: **NEWPORT**

Service: **LPD** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **10/25/2021** | 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:	NCE
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
OREGON PUBLIC BROADCASTING Applicant Doing Business As: OREGON PUBLIC BROADCASTING	Jonathan Newsome 7140 S MACADAM AVENUE PORTLAND, OR 97219 United States	+1 (503) 244-9900	legal@opb.org	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
(2)

Contact Name	Address	Phone	Email	Contact Type
Brad C Deutsch C Deutsch Foster Garvey P.C.	Brad C Deutsch 1000 Potomac St., NW Suite 200 Washington, DC 20007 United States	+1 (202) 298-1793	brad.deutsch@foster.com	Legal Representative
Jonathan Newsome Newsome Oregon Public Broadcasting	7140 S MACADAM AVENUE PORTLAND, OR 97219 United States	+1 (503) 244-9900	jnewsome@opb.org	Technical Representative

Channel and Facility Information

Section	Question	Response
Facility ID	50584	
State	Oregon	
City	NEWPORT	
LPD Channel	18	

Antenna Location
Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	No
	ASR Number	
Coordinates (NAD83)	Latitude	44° 45' 22.4" N+
	Longitude	124° 02' 59.4" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	51 meters
	Support Structure Height	51 meters
	Ground Elevation (AMSL)	316 meters
Antenna Data	Height of Radiation Center Above Ground Level	48 meters
	Height of Radiation Center Above Mean Sea Level	364 meters
	Effective Radiated Power	2.912 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	91565
Antenna Manufacturer and Model	Manufacturer:	KAT
	Model	K723147 PANEL ARRAY
	Rotation	0 degrees
	Electrical Beam Tilt	1
	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:	Stringent

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.957	90	0.126	180	0.993	270	0.106
10	1	100	0.121	190	0.934	280	0.085
20	0.956	110	0.151	200	0.795	290	0.032
30	0.872	120	0.355	210	0.616	300	0.166
40	0.788	130	0.555	220	0.466	310	0.294
50	0.658	140	0.701	230	0.367	320	0.392
60	0.504	150	0.818	240	0.258	330	0.502
70	0.287	160	0.9	250	0.124	340	0.671
80	0.121	170	0.976	260	0.019	350	0.845

Additional Azimuths

Degree	V _A
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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	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.	Steven Bass Bass <i>President and CEO</i> 08/23/2021

Attachments

File Name	Uploaded By	Attachment Type	Description
K18FR-D FCC Modified STA Request Exhibit.pdf	Applicant	General Information	K18FR-D FCC Modified STA Request Exhibit