



(REFERENCE COPY - Not for submission)

LPTV Engineering STA Application

File Number: **0000029138** | Submit Date: **08/02/2017** | Call Sign: **K47KH-D** | Facility ID: **50571** | FRN: **0001549252** | State: **Oregon** | City: **PORT ORFORD**
Service: **LPD** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **08/08/2017** | 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 Applicant
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	Jon Bial 7140 S.W. MACADAM AVENUE PORTLAND, OR 97219 United States	+1 (503) 244- 9900	jbial@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
LAWRENCE M. Miller M. Miller Garvey Schubert Barer	1000 Potomac Street, NW, Suite 200 Washington, DC 20007 United States	+1 (202) 298-2534	lmiller@gsblaw.com	Legal Representative
P.E. ERIK C. SWANSON C. SWANSON , P.E. . HATFIELD & DAWSON CONSULTING ENGINEERS	9500 GREENWOOD AVE N SEATTLE, WA 98103 United States	+1 (206) 783-9151	ESWANSON@HATDAW. COM	Technical Representative

**Channel and
Facility
Information**

Section	Question	Response
Facility ID	50571	
State	Oregon	
City	PORT ORFORD	
LPD Channel	16	

**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	42° 44' 40.3" N+
	Longitude	124° 30' 12.3" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	13 meters
	Support Structure Height	13 meters
	Ground Elevation (AMSL)	88 meters
Antenna Data	Height of Radiation Center Above Ground Level	12 meters
	Height of Radiation Center Above Mean Sea Level	100 meters
	Effective Radiated Power	0.445 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	94550
Antenna Manufacturer and Model	Manufacturer:	KAT
	Model	1X2KBBU
	Rotation	0 degrees
	Electrical Beam Tilt	Not Applicable
	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	0.569	90	0.265	180	0.756	270	0.048
10	0.529	100	0.384	190	0.576	280	0.068
20	0.484	110	0.573	200	0.397	290	0.096
30	0.429	120	0.717	210	0.262	300	0.139
40	0.364	130	0.856	220	0.142	310	0.228
50	0.202	140	0.95	230	0.072	320	0.377
60	0.147	150	1	240	0.035	330	0.497
70	0.119	160	0.99	250	0.037	340	0.588
80	0.155	170	0.917	260	0.045	350	0.599

Additional Azimuths

Degree	V _A
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Certification

Section	Question	Response
<p>General Certification Statements</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>Authorized Party to Sign</p>	<p>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</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>Steve Bass Bass <i>President & CEO</i></p> <p>08/02/2017</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
29138.pdf	Internal	All Purpose	
Port Orford (K47KH-D) Ch16 Engineering Jul 2017.pdf	Applicant	General Information	Port Orford Ch16 Engineering Material
Port Orford K47KH-D T-Mobile Letter Jul 2017.pdf	Applicant	General Information	Port Orford T-Mobile Letter