Approved by OMB (Office of Management and Budget) 3060-0386
July 2002

Federal Communications Commission

(REFERENCE COPY - Not for submission)

LPTV Translator Engineering STA Application

File Number: **0000029946** | Submit Date: **09/15/2017** | Call Sign: **K41MU-D** | Facility ID: **5940** | FRN: **0001560135** | State: **Oregon** | City: **LA GRANDE**

Service: **LPT** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **10/06/2017** | Expiration Date: **04/06/2018**

Filing Status: **InActive**

General Information

Section	Question	Response

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)?	Yes
	Total number of rule sections involved in this waiver request:	1

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
BLUE MOUNTAIN TRANSLATOR DISTRICT Doing Business As: BLUE MOUNTAIN TRANSLATOR DISTRICT	PO BOX 901 LA GRANDE, OR 97850 United States	+1 (541) 963-0196	BMTD.ORG@GMAIL.COM	Government Entity

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
A Alex McHaddad *Secretary/Treasurer* Blue Mountain Translator District	PO Box 901 La Grande, OR 97850 United States	+1 (541) 963-0196	bmtd.org@gmail.com	District Administrator
ERIK C SWANSON , PE . *CONSULTING ENGINEER* HATFIELD & DAWSON	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	5940	
State	Oregon	
City	LA GRANDE	
LPT Channel	25	

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	45° 26' 14.4" N+
	Longitude	117° 53' 52.7" W-
	Structure Type	POLE-Pole used only to mount an antenna
	Overall Structure Height	18 meters
	Support Structure Height	18 meters
	Ground Elevation (AMSL)	1561 meters
Antenna Data	Height of Radiation Center Above Ground Level	14 meters
	Height of Radiation Center Above Mean Sea Level	1575 meters
	Effective Radiated Power	1.2 kW

Antenna Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	20756
Antenna Manufacturer and Model	Manufacturer:	SCA
	Model	4X2KBBU
	Rotation	280 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	0.931	**90**	0.432	**180**	0.069	**270**	0.432
10	0.846	**100**	0.316	**190**	0.043	**280**	0.57
20	0.717	**110**	0.202	**200**	0.051	**290**	0.738
30	0.813	**120**	0.131	**210**	0.116	**300**	0.931
40	0.955	**130**	0.089	**220**	0.065	**310**	1
50	1	**140**	0.065	**230**	0.089	**320**	0.955
60	0.931	**150**	0.116	**240**	0.131	**330**	0.813
70	0.738	**160**	0.051	**250**	0.202	**340**	0.717
80	0.57	**170**	0.043	**260**	0.316	**350**	0.846

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.	**Andrew Alexander McHaddad** *Secretary/Treasurer* 09/15/2017

Attachments

File Name	Uploaded By	Attachment Type	Description
29946.pdf	Internal	All Purpose	
K41MU-D.pdf	Applicant	Fees, Waivers and Exemptions	120-day channel displacement notice from T-Mobile.
La Grande (K41MU-D) Ch25 Engineering Sep 2017.pdf	Applicant	All Purpose	LA GRANDE CH24 ENGINEERING MATERIAL AND STA REQUEST