



(REFERENCE COPY - Not for submission)

# LPTV Engineering STA Application

File Number: **0000048449** | Submit Date: **03/08/2018** | Call Sign: **K41KT-D** | Facility ID: **62387** | FRN: **0004056388** | State: **Washington** | City: **GRAYS RIVER**

Service: **LPD** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **03/29/2018** | 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
<b>BATES TECHNICAL COLLEGE</b> <b>Applicant</b> Doing Business As: BATES TECHNICAL COLLEGE	DeAnne Hamilton 1101 SOUTH YAKIMA AVENUE TACOMA, WA 98405 United States	+1 (253) 680- 7702	DHAMILTON@BATES. CTC.EDU	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
DARIN GERCHAK GERCHAK BATES TECHNICAL COLLEGE	1101 SOUTH YAKIMA TACOMA, WA 98405 United States	+1 (253) 680- 7702	test@fcc.gov	Technical Representative
LAWRENCE M MILLER M MILLER GARVEY SCHUBERT BARER	1000 POTOMAC ST NW SUITE 200 WASHINGTON, DC 20007 United States	+1 (202) 298- 2534	LMILLER@GSBLAW. COM	Legal Representative
DARIN GERCHAK C SWANSON , PE . BATES TECHNICAL COLLEGE	1101 SOUTH YAKIMA TACOMA, WA 98405 United States	+1 (253) 680- 7702	DGERCHAK@KBTC. ORG	Technical Representative

Channel and Facility Information

Section	Question	Response
Facility ID	62387	
State	Washington	
City	GRAYS RIVER	
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	46° 27' 39.3" N+
	Longitude	123° 33' 02.5" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	18 meters
	Support Structure Height	18 meters
	Ground Elevation (AMSL)	866 meters
Antenna Data	Height of Radiation Center Above Ground Level	15 meters
	Height of Radiation Center Above Mean Sea Level	881 meters
	Effective Radiated Power	0.5 kW

Antenna  
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	92929
Antenna Manufacturer and Model	Manufacturer:	KAT
	Model	K723147 PANEL ARRAY
	Rotation	0 degrees
	Electrical Beam Tilt	1.5
	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	0.705	90	0.078	180	0.937	270	0.229
10	0.503	100	0.169	190	0.846	280	0.431
20	0.384	110	0.288	200	0.716	290	0.586
30	0.288	120	0.384	210	0.586	300	0.716
40	0.169	130	0.503	220	0.431	310	0.846
50	0.078	140	0.705	230	0.229	320	0.937
60	0.02	150	0.895	240	0.14	330	0.99
70	0.08	160	0.986	250	0.1	340	0.986
80	0.02	170	0.99	260	0.14	350	0.895

Additional Azimuths

Degree	V <sub>A</sub>
335	1
165	1

## 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	<b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b> 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.	<b>DeAnne Hamilton Hamilton</b> <i>General Manager</i>  03/08/2018

Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">48449.pdf</a>	Internal	All Purpose	
<a href="#">Grays River (K41KT-D) Ch16 Engineering Feb 2018.pdf</a>	Applicant	All Purpose	GRAYS RIVER CH16 ENGINEERING MATERIAL
<a href="#">K41KT-D Grays River TMO Letter.pdf</a>	Applicant	All Purpose	T-MOBILE LETTER