



(REFERENCE COPY - Not for submission)

# LPTV Translator Engineering STA Application

File Number: **0000048706** | Submit Date: **03/14/2018** | Call Sign: **K41KH-D** | Facility ID: **167611** | FRN: **0001629187** |  
 State: **Wyoming** | City: **TETON VILLAGE**  
 Service: **LPT** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **04/26/2018** | Expiration Date: **08/31/2018** |  
 Filing Status: **InActive**

## General Information

Section	Question	Response
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## Fees, Waivers, and Exemptions

Section	Question	Response
<b>Fees</b>	Is the applicant exempt from FCC application Fees?	Yes
	Indicate reason for fee exemption:	Noncommercial educational applicant
<b>Waivers</b>	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**

<b>Applicant</b>	<b>Address</b>	<b>Phone</b>	<b>Email</b>	<b>Applicant Type</b>
<b>CENTRAL WYOMING COLLEGE Applicant</b> Doing Business As: CENTRAL WYOMING COLLEGE	Terry Dugas, General Manager 2660 PECK AVE RIVERTON, WY 82501 United States	+1 (307) 856- 6944	tdugas@cw- 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
<b>Anne Goodwin Crump</b> <i>Communications Counsel</i> Fletcher, Heald & Hildreth, P.L.C.	1300 N. 17TH STREET ELEVENTH FLOOR ARLINGTON, VA 22209 United States	+1 (703) 812-0426	CRUMP@FHHLAW. COM	Legal Representative
<b>Lonny Fairfield</b> <i>Chief Technology Officer</i> CENTRAL WYOMING COLLEGE	Lonny Fairfield 2660 PECK AVENUE RIVERTON, WY 82501 United States	+1 (307) 856-6944	LFAIRFIELD@CWC. EDU	Technical Representative
<b>ERIK C SWANSON , P.E. .</b> <i>CONSULTING ENGINEER</i> 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	167611	
State	Wyoming	
City	TETON VILLAGE	
LPT Channel	16	

**Primary station proposed to be rebroadcast:**

Facility Id	Call Sign	City	State
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**Antenna Location  
Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	No
	ASR Number	
<b>Coordinates (NAD83)</b>	Latitude	43° 35' 47.4" N+
	Longitude	110° 52' 10.4" W-
	Structure Type	B-Building
	Overall Structure Height	8 meters
	Support Structure Height	8 meters
	Ground Elevation (AMSL)	3154 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	5 meters
	Height of Radiation Center Above Mean Sea Level	3159 meters
	Effective Radiated Power	0.5 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Off the Shelf
	Do you have an Antenna ID?	Yes
	Antenna ID	20718
<b>Antenna Manufacturer and Model</b>	Manufacturer:	SCA
	Model	1X2KBBU
	Rotation	120 degrees
	Electrical Beam Tilt	Not Applicable
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
<b>Elevation Radiation Pattern</b>	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:	Simple

**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 <sub>A</sub>
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**Certification**

Section	Question	Response
<p><b>General Certification Statements</b></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><b>Authorized Party to Sign</b></p>	<p><b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b></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><b>Terry Dugas</b> <i>General Manager</i></p> <p>03/14/2018</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">48706.pdf</a>	Internal	All Purpose	
<a href="#">Teton Village (K41KH-D) Ch16 Engineering Aug 2017 (01084863xB3D1E).pdf</a>	Applicant	General Information	Engineering Statement
<a href="#">TetonVillage.STAExtReq.ExtraordinaryCircumstances.Ex (01170842xB3D1E).pdf</a>	Applicant	All Purpose	Extraordinary Circumstances Justifying STA
<a href="#">T-Mobile 20170808 (01084580xB3D1E).pdf</a>	Applicant	All Purpose	T-Mobile Displacement Letter