



(REFERENCE COPY - Not for submission)

LPTV Translator Engineering STA Application

File Number: **0000040192** | Submit Date: **01/12/2018** | Call Sign: **K47MW-D** | Facility ID: **182697** | FRN: **0001629187**
State: **Wyoming** | City: **CASPER**
Service: **LPT** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **01/23/2018** | Expiration Date: **07/23/2018**
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
CENTRAL WYOMING COLLEGE Doing Business As: CENTRAL WYOMING COLLEGE	2660 PECK AVE RIVERTON, WY 82501 United States	+1 (307) 856- 6944	tdugas@cw.c. edu	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
(3)**

Contact Name	Address	Phone	Email	Contact Type
Anne Goodwin Crump Fletcher Heald Hildreth	Anne Goodwin Crump 1300 N. 17th St 11th Floor Arlington, VA 22209 United States	+1 (307) 856- 6944	crump@fhhlaw.com	Legal Representative
Lonny Fairfield <i>Chief Technology Officer</i> CENTRAL WYOMING COLLEGE	2660 PECK AVE RIVERTON, WY 82501 United States	+1 (307) 856- 6944	lfairfie@cw.c.edu	Technical Representative
ERIK C SWANSON , PE . <i>CONSULTING ENGINEER</i> 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	182697	
State	Wyoming	
City	CASPER	
LPT Channel	24	

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' 25.9" N+
	Longitude	106° 21' 38.1" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	59 meters
	Support Structure Height	59 meters
	Ground Elevation (AMSL)	2444 meters
Antenna Data	Height of Radiation Center Above Ground Level	25 meters
	Height of Radiation Center Above Mean Sea Level	2469 meters
	Effective Radiated Power	1 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Off the Shelf
	Do you have an Antenna ID?	Yes
	Antenna ID	20717
Antenna Manufacturer and Model	Manufacturer:	SCA
	Model	1X1KBBU
	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	V _A (Authorized Value)	Degree	V _A (Authorized Value)	Degree	V _A (Authorized Value)	Degree	V _A (Authorized Value)
0	1	90	0.03	180	0.1	270	0.03
10	0.96	100	0.04	190	0.1	280	0.05
20	0.86	110	0.05	200	0.06	290	0.13
30	0.7	120	0.05	210	0.02	300	0.27
40	0.54	130	0.04	220	0.03	310	0.4
50	0.4	140	0.03	230	0.04	320	0.54
60	0.27	150	0.02	240	0.05	330	0.7
70	0.13	160	0.06	250	0.05	340	0.86
80	0.05	170	0.1	260	0.04	350	0.96

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>Terry Dugas <i>General Manager</i></p> <p>01/12/2018</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
40192.pdf	Internal	All Purpose	
Casper (K47MW-D) Ch24 Engineering Jan 2018.pdf	Applicant	All Purpose	CASPER CH24 ENGINEERING MATERIAL
K47MW-D Casper TMO letter.pdf	Applicant	All Purpose	T-MOBILE LETTER