



(REFERENCE COPY - Not for submission)

LPTV Engineering STA Application

File Number: 0000111337 | Submit Date: 04/02/2020 | Call Sign: K19CX | Facility ID: 40458 | FRN: 0005795281 | State: Arizona | City: YUMA

Service: LPD | Purpose: Engineering STA | Status: Granted | Status Date: 05/04/2020 | 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:	Non-commercial educational primary station KAET
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
ARIZONA BOARD OF REGENTS FOR ARIZONA STATE UNIVERSITY Applicant Doing Business As: ARIZONA BOARD OF REGENTS FOR ARIZONA STATE UNIVERSITY	Ian MacSpadden 555 NORTH CENTRAL AVENUE SUITE 500 PHOENIX, AZ 85004 United States	+1 (602) 496-8888	ian.macsadden@asu.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
Karl Voss R MEINTEL KAET	Bill Meintel PO Box 907 Suite 500 Phoenix, AZ 85004 United States	+1 (602) 496-1074	karl.voss@asu.edu	Technical Representative
Esq Melodie A. Virtue A. Virtue , Esq . Foster Garvey PC	1000 Potomac Street NW Suite 200 Washington, DC 20007 United States	+1 (202) 298-2527	melodie.virtue@foster.com	Legal Representative
Karl Voss Voss KAET	Karl Voss 555 N. Central Av Suite 500 Phoenix, AZ 85004 United States	+1 (602) 496-1074	test@fcc.gov	Technical Representative

Channel and Facility Information

Section	Question	Response
Facility ID	40458	
State	Arizona	
City	YUMA	
LPD Channel	19	

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	32° 40' 11.1" N+
	Longitude	114° 20' 07.7" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	35 meters
	Support Structure Height	35.0 meters
	Ground Elevation (AMSL)	479.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	13 meters
	Height of Radiation Center Above Mean Sea Level	492.0 meters
	Effective Radiated Power	1.86 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	23499
Antenna Manufacturer and Model	Manufacturer:	SCA
	Model	ODDYUMA
	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:	

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.01	90	0.01	180	0.01	270	0.812
10	0.01	100	0.01	190	0.01	280	0.947
20	0.01	110	0.01	200	0.01	290	1
30	0.01	120	0.01	210	0.01	300	0.947
40	0.01	130	0.01	220	0.01	310	0.812
50	0.01	140	0.01	230	0.01	320	0.622
60	0.01	150	0.01	240	0.086	330	0.361
70	0.01	160	0.01	250	0.361	340	0.086
80	0.01	170	0.01	260	0.622	350	0.01

Additional Azimuths

Degree	V _A
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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.	Ian MacSpadden MacSpadden <i>Chief Technology Officer</i> 04/02/2020

Attachments

File Name	Uploaded By	Attachment Type	Description
K19CX_Digital_Flash_Cut_tvixstudy.pdf	Applicant	General Information	TVStudy Interference Analysis Results
STA_Justificaton_and_Engineering_Statement.pdf	Applicant	General Information	STA Justification and Engineering Statement