



(REFERENCE COPY - Not for submission)

Displacement for LPTV Translator Application

File Number: **0000052489** | Submit Date: **04/11/2018** | Call Sign: **K43IB-D** | Facility ID: **13107** | FRN: **0005795281** | State: **Arizona** | City: **GLOBE-MIAMI**
Service: **LPT** | Purpose: **Displacement BLDTT-20130730AJD** | Status: **Pending** | Status Date: **04/11/2018** | Filing Status: **Active**

General Information

Section	Question	Response
Attachments	Are attachments (other than associated schedules) being filed with this application?	No

Fees, Waivers, and Exemptions

Section	Question	Response
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 Doing Business As: ARIZONA PBS	Ian MacSpadden 555 N. Central Av Suite 500 Phoenix, AZ 85004 United States	+1 (602) 496- 8888	ian. macspadden@asu. 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
Steven C. Schaffer , Esq . <i>Attorney</i>	Steven C. Schäffer, Esq.	+1 (202) 298- 2535	SSCHAFFER@gslaw. com	Legal Representative
GARVEY SCHUBERT BARER	1000 Potomac Street NW Suite 200 Washington, DC 20007 United States			
Karl Voss <i>Chief Engineer</i> KAET	Karl Voss 555 N. Central Av Suite 500 Phoenix, AZ 85004 United States	+1 (602) 496- 1074	karl.voss@asu.edu	Technical Representative
Dennis Wallace <i>Technical Consultant</i> Meintel, Sgrignoli, & Wallace, LLC	Dennis Wallace 1282 Smallwood Drive Suite 372 Waldorf, MD 20603 United States	+1 (202) 251- 7589	dennis.wallace@mswdtv. com	Technical Representative

Alien Ownership

Question	Response
1) Is the applicant a foreign government or the representative of any foreign government as specified in Section 310(a) of the Communications Act?	No
2) Is the applicant an alien or the representative of an alien? (Section 310(b)(1))	No
3) Is the applicant a corporation, or non-corporate entity, that is organized under the laws of any foreign government? (Section 310(b)(2))	No
4) Is the applicant an entity of which more than one-fifth of the capital stock, or other equity or voting interest, is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any entity organized under the laws of a foreign country? (Section 310(b)(3))	No
5) Is the applicant directly or indirectly controlled by any other entity of which more than one-fourth of the capital stock, or other equity or voting interest, is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any entity organized under the laws of a foreign country? (Section 310(b)(4))	No
6) Has the applicant received a declaratory ruling(s) under Section 310(b)(4) of the Communications Act?	
6a) Enter the citation of the applicable declaratory ruling by DA/FCC number, FCC Record citation, release date, or any other identifying information.	
7) Has there been any change in the applicant's foreign ownership since issuance of the declaratory ruling(s) cited in response to Question 6?	
7a) Enter the File or Docket Number of the Petition for Declaratory Ruling that the applicant has filed for its foreign ownership in connection with this application pursuant to Section 310(b)(4) of the Communications Act. It is not necessary to file a request for a foreign ownership declaratory ruling if the applicant attaches a showing that the requested authorization(s) is exempt from the provisions of Section 310(b)(4).	
8) Does the applicant certify that it is in compliance with the terms and conditions of the foreign ownership declaratory ruling(s) cited in response to Question 6?	
9) In connection with this application, is the applicant filing a foreign ownership Petition for Declaratory Ruling pursuant to Section 310(b)(4) of the Communications Act?	

Basic Qualifying Questions

Section	Question	Response
Revoked Application	Has the Applicant or any party to this application had any FCC station Authorization revoked or had any application for an initial, modification or renewal of FCC station Authorization denied by the Commission?	No
State or Federal Convictions	Has the Applicant or any party to this application, or any party directly or indirectly controlling the Applicant, ever been convicted of a felony by any state or federal court?	No

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	13107
	State	Arizona
	City	GLOBE-MIAMI
	LPT Channel	31

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	33° 20' 31.2" N+
	Longitude	110° 52' 16.4" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	46 meters
	Support Structure Height	46 meters
	Ground Elevation (AMSL)	2001 meters
Antenna Data	Height of Radiation Center Above Ground Level	17 meters
	Height of Radiation Center Above Mean Sea Level	2018 meters
	Effective Radiated Power	1 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	104387
Antenna Manufacturer and Model	Manufacturer:	KAT
	Model	K723147 2X2
	Rotation	37 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:	Full Service

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	V _A (Authorized Value)						
0	0.938	90	0.436	180	0.114	270	0.436
10	0.849	100	0.326	190	0.064	280	0.568
20	0.71	110	0.229	200	0.05	290	0.729
30	0.803	120	0.175	210	0.079	300	0.893
40	0.965	130	0.112	220	0.08	310	0.995
50	0.995	140	0.08	230	0.112	320	0.965
60	0.893	150	0.079	240	0.175	330	0.803
70	0.729	160	0.05	250	0.229	340	0.71
80	0.567	170	0.064	260	0.326	350	0.846

Additional Azimuths

Degree	V _A
313	1

**Parties to the
Application (0)**

Information not provided.

Attributable Interest

Section	Question	Response
Equity and Financial Interests	Applicant certifies that equity and financial interests not set forth by the applicant parties are non-attributable.	
Other Authorizations	Does the applicant or any party to the application have an attributable interest in any other broadcast station(s).	

**Construction
Permit
Certifications**

Section	Question	Response
Post-Incentive Auction Expedited Processing	It will operate on the DTV channel for this station as established in the post-incentive auction channel reassignment public notice.	
	It will operate post-incentive auction facilities that do not expand the noise-limited service contour in any direction beyond that established by the post-incentive auction channel reassignment public notice.	
	It will operate post-incentive auction facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the post-incentive auction channel reassignment public notice.	
	The antenna structure to be used by this facility has been registered by the Commission and will not require re-registration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely affect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7.	
Environmental Effect	Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? (See Section 1.1306 of 47 C.F.R.)	No
Broadcast Facility	The proposed facility complies with all of the following applicable rule sections. 47 C.F.R. Sections 74.709, 74.793 (e), 74.793(f), 74.793(g), 74.793(h)	Yes

**Legal
Certifications**

Section	Question	Response
Character Issues	<p>Applicant certifies that neither applicant nor any party to the application has or had any interest in, or connection with:</p> <p>(a) any broadcast application in any proceeding where character issues were left in unresolved or were resolved adversely against the applicant or party to the application; or</p> <p>(b) any pending broadcast application in which character issues have been raised.</p>	
Adverse Findings	<p>Has the Applicant or any party to this application had an adverse finding or an adverse final action taken by any court or administrative body in a civil or criminal proceeding brought under any law related to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination?</p>	
Program Service Certification	<p>Applicant certifies that it is cognizant of and will comply with its obligations as a Commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.</p>	
Local Public Notice	<p>Applicant certifies that it has or will comply with the public notice requirements of 47 C.F.R. Section 73.3580.</p>	Yes
Equal Employment Opportunity (EEO)	<p>If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report.</p>	
Auction Authorization	<p>If the application is being submitted to obtain a construction permit for which the applicant was the winning bidder in an auction, then the applicant certifies, pursuant to 47 C.F.R. Section 73.5005(a), that it has attached an exhibit containing the information required by 47 C.F.R. Sections 1.2107(d), 1.2110(i), 1.2112(a) and 1.2112(b), if applicable.</p>	N/A
Rebroadcast Certification	<p>(For Applicants proposing rebroadcasts that are not the licensee of the primary station) Applicant certifies that written authority has been obtained from the licensee of the station whose programs are to be retransmitted.</p>	N/A

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>Mary Mazur <i>General Manager</i></p> <p>04/11/2018</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>K431B-D_GLOBE_MSW_FCC_STATEMENT_KAET_040918.pdf</u>	Applicant	Construction Permit Certifications	K431B-D Displacement Application Engineering Statement



Engineering Statement

Displacement of K43IB-D Proposed Channel 31 at Globe, Arizona April 10, 2018

This Engineering Statement has been prepared on behalf of the Arizona Board of Regents of Arizona State University (ASU), licensee of Digital TV Translator Station K43IB-D at Globe, Arizona. The statement was prepared in support of a Displacement Channel Window Filing Application.

The translator currently operates on channel 43, which is outside of the new post-incentive auction core television spectrum. The licensee has received a 120-day Commencement of Operation letter from T-Mobile, a winning bidder in the FCC incentive auction. T-Mobile has advised the licensee that it must cease its operations on channel 43 in order to clear the spectrum in the area to enable the commencement of wireless operations in the band.

Therefore, ASU is filing a displacement application seeking authorization to move its operations to channel 31 on the existing tower site.

The parameters of the proposed facility are as follows:

Proposed Parameters:

Transmitter Location:	33-20-31.2 N 110-52-16.4 W (NAD 83)
Channel:	31
ERP:	1.0 KW
Emission Mask:	Full Service
Antenna Pattern:	Directional
Antenna Manufacturer:	Kathrein
Antenna Model:	K723147 2X2
Antenna RCAGL:	17.0 Meters
Overall Structure AGL:	46.0 Meters
RCAMSL	2018.0 Meters

Interference Study:

An interference study was undertaken utilizing the FCC's TVStudy program to analyze the co-channel and adjacent channel interference scenarios for the new proposed channel of operation.



The results of the study indicated that no impermissible interference would result from the proposed operations.

Based upon the forgoing interference study, it is believed that the proposed facility can operate without any impermissible interference to other stations.

RF Exposure Study:

Furthermore, a study was conducted to determine compliance with the RF Radiation Maximum Permissible Exposure (MPE) limits of the proposed operation. The study was conducted using the methodology outlined in the FCC's OET Bulletin 65 regarding RF Radiation Compliance.

The study utilized the proposed antenna height of 17 meters AGL and a reference height of 2 meters AGL for the reference location. This yields a distance from the antenna of 15 meters.

The proposed antenna elevation pattern indicates that the downward radiation from the antenna from 45° to 90° below horizontal has a maximum relative field value of 0.1. This value was used in conjunction with the distance from the antenna and the prescribed formula from OET Bulletin 65 to determine a maximum predicted power density of 14.8 μ W/cm² at 2 meters above ground level near the base of the tower. The Maximum Permissible Exposure Level (MPE) for the Uncontrolled/General Population environment for Channel 31 is approximately 383.3 μ W/cm². Thus, the proposal is approximately 3.9% of the General Population MPE level and within the allowable limit.

Based upon the forgoing it is believed that the proposed facility is in compliance with the required RF Exposure limits.



The licensee and all station personnel and contractors are required to follow appropriate safety procedures before the commencement of any work on the tower or in close proximity to the antenna. These procedures including reducing power or turning off the transmitter before any work is undertaken at the site. The licensee in coordination with any other users of the site must reduce power or cease operations as necessary to ensure workers having access to the site, tower, and antenna locations are not exposed to RF Radiation levels in excess of those prescribed by FCC Guidelines.

April 9, 2018

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Displacement for LPTV Translator Application Application Submitted

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Your application has been submitted for processing.

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Application Summary

File Number: 0000052489
 Application Purpose: Displacement
 Status: Pending
 Date Submitted: 2018-04-11

Applicant Information

Name: Arizona Board of Regents for Arizona State University
 Title:
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