



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000212277 | Submit Date: 03/09/2023 | Call Sign: KPBS | Facility ID: 6124 | FRN: 0002968360 | State: California | City: SAN DIEGO

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 03/10/2023 | Expiration Date: 09/09/2023 |

Filing Status: Active

General Information

Section	Question	Response
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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
Board of Trustees, California State University for San Diego State University	5200 Campanile Drive San Diego, CA 92182 United States	+1 (619) 594-1515	lmessenie@kpbs.org	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
(2)

Contact Name	Address	Phone	Email	Contact Type
Leon Messenie <i>Director of Engineering,</i> KPBS KPBS	Leon Messenie 5200 Campanile Drive San Diego, CA 92182 United States	+1 (619) 594- 8146	lmessenie@kpbs.org	Technical Representative
Barry S. Persh Gray Miller Persh LLP	2233 Wisconsin Ave., NW Suite 226 Washington, DC 20007 United States	+1 (202) 776- 2458	bpersh@graymillerpersh. com	Legal Representative

Channel and
Facility
Information

Section	Question	Response
Proposed Community of License	Facility ID	6124
	State	California
	City	SAN DIEGO
	DTV Channel	19
	Designated Market Area	SAN DIEGO
Facility Type	Facility Type	Noncommercial Educational
	Station Type	Main
Zone	Zone	2

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1213483
Coordinates (NAD83)	Latitude	32° 41' 52.7" N+
	Longitude	116° 56' 06.3" W-
	Structure Type	LTOWER-Lattice Tower
	Overall Structure Height	58.5 meters
	Support Structure Height	45.7 meters
	Ground Elevation (AMSL)	760.5 meters
Antenna Data	Height of Radiation Center Above Ground Level	51.5 meters
	Height of Radiation Center Above Average Terrain	572.7 meters
	Height of Radiation Center Above Mean Sea Level	812.0 meters
	Effective Radiated Power	100 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1010528
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TFU-18GTH/VP-R C170SP
	Rotation	0 degrees
	Electrical Beam Tilt	0.75
	Mechanical Beam Tilt	0.75
	toward azimuth	270
	Polarization	Elliptical
DTV and DTS: Elevation 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	

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.970	90	0.107	180	0.540	270	0.823
10	1.000	100	0.232	190	0.718	280	0.843
20	0.998	110	0.320	200	0.852	290	0.865
30	0.943	120	0.352	210	0.925	300	0.879
40	0.848	130	0.325	220	0.946	310	0.887
50	0.698	140	0.239	230	0.928	320	0.886
60	0.521	150	0.120	240	0.892	330	0.893
70	0.323	160	0.150	250	0.850	340	0.902
80	0.137	170	0.340	260	0.825	350	0.928

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.	Leon Messenie <i>Director of Engineering</i> 03/09/2023

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>KPBS(TV) Reduced Power STA Request.pdf</u>	Applicant	General Information	KPBS(TV) Reduced Power STA Request