Approved by OMB (Office of Management and Budget) 3060-0386
July 2002

Federal Communications Commission

(REFERENCE COPY - Not for submission)

DTS Engineering STA Application

File Number: **0000035893** | Submit Date: **12/18/2023** | Call Sign: **WIPR-TV** | Facility ID: **53859** | FRN: **0005832233** | State: **Puerto Rico** | City: **SAN JUAN**

Service: **DTS** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **12/19/2017** | Expiration Date:

Filing Status: **InActive**

General Information

Section	Question	Response

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
PUERTO RICO PUBLIC BROADCASTING CORPORATION **Applicant** Doing Business As: PUERTO RICO PUBLIC BROADCASTING CORPORATION	Dr. Rafael Batista Cruz PO Box 190909 Urb. Baldrich SAN JUAN, PR 00918 United States	+1 (787) 766-0505	avazquez@wipr.pr	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
Rafael Batista Cruz *President* PUERTO RICO PUBLIC BROADCASTING CORPORATION	PO Box 190909 Urb. Baldrich SAN JUAN, PR 00918 United States	+1 (787) 766-0505	Avazquez@wipr.pr	President
Alejandro Luciano Luciano Alejandro Luciano PE	Alejandro luciano PE PO Box 194528 SAN JUAN, PR 00919 United States	+1 (787) 717-6984	aluciano@aluciano.com	Technical Representative
Lee Petro Petro DRINKER BIDDLE & REATH LLP	1500 K STREET, NW WASHINGTON, DC 20005 United States	+1 (202) 230-5857	LEE.PETRO@DBR.COM	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	53859
	State	Puerto Rico
	City	SAN JUAN
	DTS Channel	43
	Designated Market Area	PUERTO RICO
Facility Type	Facility Type	Noncommercial Educational
	Station Type	Main
Zone	Zone	2

DTS Reference Point

Section	Question	Response
Construction Permit File Number and Facility ID	File Number for Current Authorized Service Area:	
	Facility ID	
Coordinates (NAD83)	Latitude	- -
	Longitude	- -

Site 1: Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1010730
Coordinates (NAD83)	Latitude	18° 06' 35.0" N+
	Longitude	066° 03' 04.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	332.5 meters
	Support Structure Height	306.9 meters
	Ground Elevation (AMSL)	900.7 meters
Antenna Data	Height of Radiation Center Above Ground Level	222 meters
	Height of Radiation Center Above Average Terrain	776 meters
	Height of Radiation Center Above Mean Sea Level	1122.7 meters
	Effective Radiated Power	1000 kW

Site 1: Antenna Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	109320
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TFU-26JSC-R-CT150SP
	Electrical Beam Tilt	1.5
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
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?	
	Rotation	0 degrees
	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	0.875	**90**	0.863	**180**	0.289	**270**	0.919
10	0.844	**100**	0.744	**190**	0.542	**280**	0.864
20	0.864	**110**	0.542	**200**	0.744	**290**	0.845
30	0.919	**120**	0.289	**210**	0.863	**300**	0.875
40	0.973	**130**	0.214	**220**	0.921	**310**	0.932
50	0.997	**140**	0.384	**230**	0.957	**320**	0.981
60	0.986	**150**	0.465	**240**	0.986	**330**	1
70	0.957	**160**	0.384	**250**	0.997	**340**	0.981
80	0.921	**170**	0.214	**260**	0.973	**350**	0.932

Additional Azimuths

Degree	V_A
288	0.845
174	0.194
126	0.194
12	0.845

Site 2: Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1011496
Coordinates (NAD83)	Latitude	18° 15' 54.0" N+
	Longitude	066° 05' 06.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	87.0 meters
	Support Structure Height	71.0 meters
	Ground Elevation (AMSL)	420.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	35 meters
	Height of Radiation Center Above Average Terrain	244 meters
	Height of Radiation Center Above Mean Sea Level	455.0 meters
	Effective Radiated Power	15 kW

Site 2: Antenna Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Non-Directional
	Do you have an Antenna ID?	
	Antenna ID	1002695
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	ALP12L12-HSPR-43
	Electrical Beam Tilt	Not Applicable
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
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?	
	Uploaded file for elevation antenna (or radiation) pattern data	

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.	**Rafael Batista Cruz** **Batista Cruz** *President* 12/01/2017

Attachments

File Name	Uploaded By	Attachment Type	Description
WIPR-TV STA Narrative.pdf	Applicant	All Purpose	STA Narrative