



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000186987** | Submit Date: **03/21/2022** | Call Sign: **WECN** | Facility ID: **19561** | FRN: **0006374490** | State:
Puerto Rico | City: **NARANJITO**

Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **03/25/2022** | Expiration Date: **09/24/2022** |

Filing Status: **Active**

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:	Not for profit organization
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
ENCUENTRO CHRISTIAN NETWORK Doing Business As: ENCUENTRO CHRISTIAN NETWORK	Lilliam Perez P. O. BOX 310 BAYAMON, PR 00960 United States	+1 (787) 999-1473	WECN19@GMAIL.COM	Corporation

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
Alejandro Luciano , P.E. . <i>Consulting Engineer</i> Alejandro Luciano PE	Alejandro Luciano P.E. PO Box 194528 San Juan, PR 00919-4528 United States	+1 (787) 717-6984	aluciano@aluciano.com	Technical Representative
Lilliam Perez <i>General Manager</i> ENCUENTRO CHRISTIAN NETWORK	Lilliam Perez P. O. BOX 310 BAYAMON, PR 00960 United States	+1 (787) 999-1473	WECN19@GMAIL.COM	General Manager
DAVINA SASHKIN , ESQ . <i>Legal Representative</i> Baker Hostetler	Davina Sashkin, Esq. 1050 Connecticut Ave. NW Suite 1100 Washington DC, WA 20036 United States	+1 (202) 861-1759	dsashkin@bakerlaw.com	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	19561
	State	Puerto Rico
	City	NARANJITO
	DTV Channel	18
	Designated Market Area	NA
Facility Type	Facility Type	Commercial
	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?	No
	ASR Number	
Coordinates (NAD83)	Latitude	18° 22' 08.0" N+
	Longitude	066° 11' 01.0" W-
	Structure Type	LTOWER-Lattice Tower
	Overall Structure Height	55 meters
	Support Structure Height	55 meters
	Ground Elevation (AMSL)	48.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	43.2 meters
	Height of Radiation Center Above Average Terrain	-30.8 meters
	Height of Radiation Center Above Mean Sea Level	91.2 meters
	Effective Radiated Power	18 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	1003644
Antenna Manufacturer and Model	Manufacturer:	SIRA
	Model	UTV01
	Rotation	250 degrees
	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?	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	1.0	90	0.037	180	0.001	270	0.037
10	0.969	100	0.022	190	0.001	280	0.059
20	0.880	110	0.015	200	0.001	290	0.115
30	0.760	120	0.011	210	0.001	300	0.250
40	0.599	130	0.001	220	0.001	310	0.460
50	0.460	140	0.001	230	0.001	320	0.599
60	0.250	150	0.001	240	0.011	330	0.760
70	0.115	160	0.001	250	0.015	340	0.880
80	0.059	170	0.001	260	0.022	350	0.969

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.	Alejandro Luciano , P.E. . <i>Consulting Engineer</i> 03/21/2022

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WECN-DT STA REQUEST 2022.pdf</u>	Applicant	General Information	WECN STA Engineering and environmental considerations.
<u>WECN-STA coverage Contours.pdf</u>	Applicant	All Purpose	WECN STA proposed coverage contours.
<u>wecn-sta-tvixstudy_032022.txt</u>	Applicant	All Purpose	WECN STA Interference Study.