



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000075308** | Submit Date: **07/01/2019** | Call Sign: **WRUA** | Facility ID: **15320** | FRN: **0006360143** | State: **Puerto Rico** | City: **FAJARDO**  
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **07/16/2019** | Expiration Date: **01/13/2020**  
 Filing Status: **Active**

**General Information**

Section	Question	Response
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**Fees, Waivers, and Exemptions**

Section	Question	Response
<b>Fees</b>	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
<b>Waivers</b>	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	

Application Type	Fee Code	Fee Amount
Engineering STA	MGT	\$200.00
<b>Total</b>		<b>\$200.00</b>

**Applicant  
Information**

**Applicant Name, Type, and Contact Information**

<b>Applicant</b>	<b>Address</b>	<b>Phone</b>	<b>Email</b>	<b>Applicant Type</b>
<b>Eastern Television Corporation</b> Doing Business As: Eastern Television Corporation	Lilliam Perez P.O. Box 310 Bayamon, PR 00960 United States	+1 (787) 999- 1473	perezlilliam7@gmail. com	Corporation

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**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
<b>Alejandro Luciano , PE .</b> <i>Consulting Engineer</i> Alejandro Luciano	Alejandro Luciano PE PO Box 194528 San Juan, PR 00919 United States	+1 (787) 717- 6984	aluciano@aluciano. com	Technical Representative
<b>Davina Sashkin , Esq .</b> <i>FCC Counsel</i> Fletcher Heald & Hildreth, P. L.C.	1300 North 17th Street 11th Floor Arlington, VA 22209 United States	+1 (703) 812- 0400	sashkin@fhhlaw.com	Legal Representative

**Channel and Facility Information**

Section	Question	Response
<b>Proposed Community of License</b>	Facility ID	15320
	State	Puerto Rico
	City	FAJARDO
	DTV Channel	16
	Designated Market Area	NA
<b>Facility Type</b>	Facility Type	Commercial
	Station Type	Main
<b>Zone</b>	Zone	2

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1011469
<b>Coordinates (NAD83)</b>	Latitude	18° 18' 29.0" N+
	Longitude	065° 47' 40.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	79.0 meters
	Support Structure Height	0.5 meters
	Ground Elevation (AMSL)	1004.7 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	22.8 meters
	Height of Radiation Center Above Average Terrain	823.1 meters
	Height of Radiation Center Above Mean Sea Level	1027.5 meters
	Effective Radiated Power	18.0 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	20355
<b>Antenna Manufacturer and Model</b>	Manufacturer:	PSI
	Model	PSILP12AOC
	Rotation	295 degrees
	Electrical Beam Tilt	1.75
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
<b>DTV and DTS: Elevation Pattern</b>	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
<b>0</b>	1	<b>90</b>	0.668	<b>180</b>	0.676	<b>270</b>	0.668
<b>10</b>	0.994	<b>100</b>	0.631	<b>190</b>	0.672	<b>280</b>	0.715
<b>20</b>	0.978	<b>110</b>	0.609	<b>200</b>	0.659	<b>290</b>	0.767
<b>30</b>	0.951	<b>120</b>	0.602	<b>210</b>	0.642	<b>300</b>	0.82
<b>40</b>	0.915	<b>130</b>	0.608	<b>220</b>	0.623	<b>310</b>	0.871
<b>50</b>	0.871	<b>140</b>	0.623	<b>230</b>	0.608	<b>320</b>	0.915
<b>60</b>	0.82	<b>150</b>	0.642	<b>240</b>	0.602	<b>330</b>	0.951
<b>70</b>	0.767	<b>160</b>	0.659	<b>250</b>	0.609	<b>340</b>	0.978
<b>80</b>	0.715	<b>170</b>	0.672	<b>260</b>	0.631	<b>350</b>	0.994

**Additional Azimuths**

Degree	V <sub>A</sub>
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**Certification**

Section	Question	Response
<p><b>General Certification Statements</b></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><b>Authorized Party to Sign</b></p>	<p><b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b></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><b>Vanessa Torres Padilla</b> <i>President</i></p> <p>07/01/2019</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#"><u>WRUA-DT EI YUNQUE STA REQUEST..pdf</u></a>	Applicant	General Information	Extraordinary circumstances which warrant temporary operations
<a href="#"><u>WRUA Proposed 18kW STA EL Yunque.pdf3.pdf</u></a>	Applicant	All Purpose	Proposed STA Coverage Contour
<a href="#"><u>WRUA STA tvixstudy.txt</u></a>	Applicant	All Purpose	WRUA STA TVIX Study