



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000106001** | Submit Date: **02/13/2020** | Call Sign: **WGCU** | Facility ID: **62388** | FRN: **0001735646** | State: **Florida** | City: **FORT MYERS**
Service: **DTV** | Purpose: **Engineering STA** | Status: **Pending** | Status Date: **02/13/2020** | 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
The Florida Gulf Coast University Board of Trustees Doing Business As: WGCU	RICK JOHNSON 10501 FGCU BLVD. SOUTH FORT MYERS, FL 33965 United States	+1 (239) 590- 7072	RJOHNSON@FGCU. 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
Louis R duTreil , Jr . <i>Technical Consultant</i> duTreil Lundin & Rackley Inc	3135 Southgate Circle Sarasota, FL 34239 United States	+1 (941) 329- 6004	bobjr@DLR.com	Technical Representative
TODD D. GRAY GRAY MILLER PERSH, LLP	2233 Wisconsin Ave NW SUITE 226 WASHINGTON, DC 20036 United States	+1 (202) 776- 2571	TGRAY@GRAYMILLERPERSH. COM	Legal Representative
Derek Teslik Gray Miller Persh, LLP	2233 Wisconsin Ave NW Ste 226 Washington, DC 20007 United States	+1 (202) 559- 7489	dteslik@graymillerpersh.com	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	62388
	State	Florida
	City	FORT MYERS
	DTV Channel	31
	Designated Market Area	FT. MYERS-NAPLES
Facility Type	Facility Type	Noncommercial Educational
	Station Type	Main
Zone	Zone	3

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1020483
Coordinates (NAD83)	Latitude	26° 48' 55.0" N+
	Longitude	081° 45' 42.0" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	285.0 meters
	Support Structure Height	283.8 meters
	Ground Elevation (AMSL)	9.1 meters
Antenna Data	Height of Radiation Center Above Ground Level	152.4 meters
	Height of Radiation Center Above Average Terrain	153 meters
	Height of Radiation Center Above Mean Sea Level	161.5 meters
	Effective Radiated Power	125 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006413
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TFU-8WB-1-R S230
	Rotation	240 degrees
	Electrical Beam Tilt	1.05
	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	90	.656	180	.483	270	.657
10	.993	100	.56	190	.463	280	.729
20	.975	110	.45	200	.404	290	.792
30	.95	120	.338	210	.324	300	.842
40	.919	130	.257	220	.256	310	.882
50	.885	140	.254	230	.258	320	.918
60	.845	150	.322	240	.339	330	.949
70	.797	160	.403	250	.45	340	.976
80	.735	170	.462	260	.56	350	.993

Additional Azimuths

Degree	V _A
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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>Rick Johnson <i>General Manager</i></p> <p>02/13/2020</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WGCU TV 31 STA Antenna Information.pdf</u>	Applicant	All Purpose	ANTENNA INFORMATION
<u>WGCU TV 31 STA Coverage Map.pdf</u>	Applicant	All Purpose	PREDICTED COVERAGE CONTOURS
<u>WGCU TV 31 STA RF Hazard Statement.pdf</u>	Applicant	All Purpose	RF HAZARD STATEMENT
<u>WGCU TV 31 STA Technical Summary.pdf</u>	Applicant	General Information	TECHNICAL SUMMARY