



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000063361** | Submit Date: **11/07/2018** | Call Sign: **WPBT** | Facility ID: **13456** | FRN: **0001822923** | State:

Florida | City: **MIAMI**

Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **11/14/2018** | Expiration Date:

Filing Status: **InActive**

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
South Florida PBS, Inc. Applicant Doing Business As: South Florida PBS, Inc.	Dolores Sukhdeo 14901 N.E. 20TH AVENUE MIAMI, FL 33181 United States	+1 (305) 424-4250	dsukhdeo@southfloridapbs.org	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
Louis R duTreil , Jr . <i>Technical Consultant</i> duTreil Lundin & Rackley Inc	201 Fletcher Ave Sarasota, FL 34237 United States	+1 (941) 329- 6004	BOBJR@DLR.COM	Technical Consultant
Jack N. Goodman N. Goodman Law Offices of Jack N. Goodman	Jack Goodman 1200 New Hampshire Avenue, NW Suite 600 Washington, DC 20036 United States	+1 (202) 776- 2045	jack@jackngoodman. com	Legal Representative
Gene H Talley H Talley South Florida PBS, Inc., WPBT	Gene H Talley 14901 NE 20TH AVENUE MIAMI, FL 33181 United States	+1 (305) 424- 4167	gtalley@southfloridapbs. org	Technical Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	13456
	State	Florida
	City	MIAMI
	DTV Channel	18
	Designated Market Area	MIAMI-FT. LAUDERDALE
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	1029604
Coordinates (NAD83)	Latitude	25° 57' 31.0" N+
	Longitude	080° 12' 43.0" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	317.9 meters
	Support Structure Height	299.2 meters
	Ground Elevation (AMSL)	1.9 meters
Antenna Data	Height of Radiation Center Above Ground Level	246.9 meters
	Height of Radiation Center Above Average Terrain	247 meters
	Height of Radiation Center Above Mean Sea Level	248.8 meters
	Effective Radiated Power	244 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1004316
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TFU-8WB-1-R C160
	Rotation	0 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	0.711	90	.987	180	.921	270	.533
10	0.786	100	.976	190	.883	280	.61
20	.84	110	.971	200	.842	290	.64
30	.882	120	.976	210	.788	300	.609
40	.92	130	.988	220	.713	310	.531
50	.956	140	.998	230	.612	320	.45
60	.984	150	.998	240	.504	330	.433
70	.998	160	.984	250	.435	340	.503
80	.998	170	.956	260	.452	350	.611

Additional Azimuths

Degree	V _A
75	1
145	1

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.	Dolores Sukhdeo Sukhdeo <i>President/CEO</i> 11/07/2018

Attachments

File Name	Uploaded By	Attachment Type	Description
WPBT_18_STA_Antenna_Information.pdf	Applicant	All Purpose	ANTENNA INFORMATION
WPBT_18_STA_Coverage_Map.pdf	Applicant	All Purpose	PREDICTED COVERAGE CONTOURS
WPBT_18_STA_RF_Hazard_Statement.pdf	Applicant	All Purpose	RF HAZARD STATEMENT
WPBT_18_STA_Technical_Summary.pdf	Applicant	General Information	TECHNICAL SUMMARY