



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000219559** | Submit Date: **08/18/2023** | Call Sign: **WBFS-TV** | Facility ID: **12497** | FRN: **0003476116**  
 State: **Florida** | City: **MIAMI**  
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **08/23/2023** | Expiration Date: **02/22/2024**  
 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	MPV	\$300.00
<b>Total</b>		<b>\$300.00</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>MIAMI TELEVISION STATION WBFS INC.</b> Doing Business As: MIAMI TELEVISION STATION WBFS INC.	Daniel G. Ryson 2020 M St., NW - Licensing DEPT Washington, DC 20036 United States	+1 (202) 457- 4505	dryson@cbs. 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>John Bagwell</b> <i>Senior VP, Associate General Counsel</i> Paramount Global	1515 Broadway New York, NY 10036 United States	+1 (646) 398- 4112	john. bagwell@cbs. com	Legal Representative
<b>Daniel G. Ryson</b> <i>Director Spectrum Management</i> Paramount Global	Daniel G. Ryson 2020 M St., NW - Licensing DEPT Washington, DC 20036 United States	+1 (202) 457- 4074	dryson@cbs.com	Technical Representative

**Channel and  
Facility  
Information**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>Proposed Community of License</b>	Facility ID	12497
	State	Florida
	City	MIAMI
	DTV Channel	32
	Designated Market Area	Miami-Ft. Lauderdale
<b>Facility Type</b>	Facility Type	Commercial
	Station Type	Main
<b>Zone</b>	Zone	3

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1026553
<b>Coordinates (NAD83)</b>	Latitude	25° 58' 08.3" N+
	Longitude	080° 13' 19.2" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	318.2 meters
	Support Structure Height	285.6 meters
	Ground Elevation (AMSL)	1.5 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	243.7 meters
	Height of Radiation Center Above Average Terrain	243.7 meters
	Height of Radiation Center Above Mean Sea Level	245.2 meters
	Effective Radiated Power	301 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	1010176
<b>Antenna Manufacturer and Model</b>	Manufacturer:	RFS
	Model	RD16C170500620HDS
	Rotation	0 degrees
	Electrical Beam Tilt	0.6
	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
0	0.936	90	0.313	180	0.805	270	0.930
10	0.919	100	0.346	190	0.891	280	0.948
20	0.877	110	0.350	200	0.955	290	0.958
30	0.803	120	0.323	210	0.992	300	0.953
40	0.694	130	0.300	220	0.999	310	0.938
50	0.558	140	0.338	230	0.980	320	0.926
60	0.418	150	0.445	240	0.950	330	0.923
70	0.313	160	0.576	250	0.925	340	0.929
80	0.283	170	0.699	260	0.918	350	0.937

**Additional Azimuths**

Degree	V <sub>A</sub>
79	0.282
354	0.938
258	0.918
217	1.000
106	0.353

**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>Martha E Heller</b>  <i>VP, Government Relations and Regulatory</i></p> <p>08/18/2023</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#"><u>WBFS-TV Draft STA Engineering Statement.pdf</u></a>	Applicant	General Information	Engineering Statement