



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000095772** | Submit Date: **01/08/2020** | Call Sign: **WWPB** | Facility ID: **65943** | FRN: **0003857380** | State:

**Maryland** | City: **HAGERSTOWN**

Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **01/15/2020** | 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
MARYLAND PUBLIC BROADCASTING COMMISSION Applicant Doing Business As: MARYLAND PUBLIC BROADCASTING COMMISSION	Larry D. Unger, President & CEO 11767 OWINGS MILLS BOULEVARD OWINGS MILLS, MD 21117 United States	+1 (410) 356-5600	lunger@mpt.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
Carl R. Wolfe L. Snelson , Jr. . MARYLAND PUBLIC BROADCASTING COMMISSION	11767 Owings Mills Boulevard Owings Mills, MD 21117 United States	+1 (410) 581-4201	test@fcc.gov	Technical Representative
Melodie A. Virtue A. Virtue Foster Garvey PC	1000 Potomac Street N.W. Suite 200 WASHINGTON, DC 20007 United States	+1 (202) 298-2527	melodie. virtue@foster.com	Legal Representative
Carl R. Wolfe R. Wolfe MARYLAND PUBLIC BROADCASTING COMMISSION	11767 Owings Mills Boulevard Owings Mills, MD 21117 United States	+1 (410) 581-4201	cwolfe@mpt.org	Technical Representative

Channel and  
Facility  
Information

Section	Question	Response
Proposed Community of License	Facility ID	65943
	State	Maryland
	City	HAGERSTOWN
	DTV Channel	44
	Designated Market Area	WASHINGTON DC (HAGRSTWN)
Facility Type	Facility Type	Noncommercial Educational
	Station Type	Main
Zone	Zone	1

Antenna Location  
Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1036746
Coordinates (NAD83)	Latitude	39° 39' 04.0" N+
	Longitude	077° 58' 14.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	126.5 meters
	Support Structure Height	110.9 meters
	Ground Elevation (AMSL)	438.9 meters
Antenna Data	Height of Radiation Center Above Ground Level	109 meters
	Height of Radiation Center Above Average Terrain	369 meters
	Height of Radiation Center Above Mean Sea Level	547.9 meters
	Effective Radiated Power	250 kW

Antenna  
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	104333
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TFU-12DSC-R
	Rotation	0 degrees
	Electrical Beam Tilt	1
	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	0.566	90	1	180	0.566	270	1
10	0.542	100	0.959	190	0.542	280	0.959
20	0.482	110	0.844	200	0.482	290	0.844
30	0.418	120	0.683	210	0.418	300	0.683
40	0.417	130	0.52	220	0.417	310	0.52
50	0.52	140	0.417	230	0.52	320	0.417
60	0.683	150	0.418	240	0.683	330	0.418
70	0.844	160	0.482	250	0.844	340	0.482
80	0.959	170	0.542	260	0.959	350	0.542

Additional Azimuths

Degree	V <sub>A</sub>
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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	<b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b> 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.	<b>George Beneman</b> <b>Beneman</b> <i>Chief Technology Officer</i>  01/08/2020

Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">eng_statement.pdf</a>	Applicant	General Information	Justification - Engineering Statement