



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000075111** | Submit Date: **06/28/2019** | Call Sign: **WPTD** | Facility ID: **25067** | FRN: **0006842835** | State:  
**Ohio** | City: **DAYTON**

Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **07/03/2019** | Expiration Date: |

Filing Status: **InActive**

General Information

Section	Question	Response
---------	----------	----------

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
GREATER DAYTON PUBLIC TELEVISION, INC. Applicant Doing Business As: GREATER DAYTON PUBLIC TELEVISION, INC.	DAVID M. FOGARTY 110 SOUTH JEFFERSON STREET DAYTON, OH 45402 United States	+1 (937) 220-1611	DFOGARTY@THINKTV.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  
(4)

Contact Name	Address	Phone	Email	Contact Type
<b>BENJAMIN PIDEK , P.E .</b> <i>CONSULTING ENGINEER</i> MID-STATE CONSULTANTS	6197 MILLER RD., SUITE 1 SWARTZ CREEK, MI 48473 United States	+1 (810) 226-0750	bpidek@mscon.com	Technical Representative
<b>H FRED STONE STONE</b> GREATER DAYTON PUBLIC TELEVISION INC	H FRED STONE 110 SOUTH JEFFERSON STREET DAYTON, OH 45402 United States	+1 (937) 848-4112	FSTONE@THINKTV. ORG	Technical Representative
<b>Derek Teslik Teslik</b> Gray Miller Persh, LLP	2233 Wisconsin Ave NW Ste 226 Washington, DC 20007- 4119 United States	+1 (202) 559-7489	dteslik@graymillerpersh. com	Legal Representative
<b>Lee Weinel</b> <i>Chief Financial Officer</i> Greater Dayton Public Television, Inc.	Lee Weinel 110 S Jefferson St Dayton, OH 45402 United States	+1 (513) 345-6563	lweinel@cetconnect.org	Chief Financial Officer

Channel and  
Facility  
Information

Section	Question	Response
Proposed Community of License	Facility ID	25067
	State	Ohio
	City	DAYTON
	DTV Channel	16
	Designated Market Area	DAYTON
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	1011760
Coordinates (NAD83)	Latitude	39° 43' 16.0" N+
	Longitude	084° 15' 00.0" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	345.0 meters
	Support Structure Height	334.2 meters
	Ground Elevation (AMSL)	268.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	320.0 meters
	Height of Radiation Center Above Average Terrain	326.3 meters
	Height of Radiation Center Above Mean Sea Level	588.0 meters
	Effective Radiated Power	199 kW

Antenna  
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1005171
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TFU-16WB-R C160
	Rotation	0.0 degrees
	Electrical Beam Tilt	0.55
	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	0.858	90	0.954	180	0.858	270	0.665
10	0.896	100	0.96	190	0.808	280	0.631
20	0.932	110	0.976	200	0.734	290	0.545
30	0.965	120	0.993	210	0.632	300	0.457
40	0.99	130	1.0	220	0.517	310	0.441
50	1.0	140	0.991	230	0.44	320	0.519
60	0.994	150	0.966	240	0.457	330	0.634
70	0.977	160	0.933	250	0.546	340	0.736
80	0.961	170	0.897	260	0.632	350	0.809

Additional Azimuths

Degree	V <sub>A</sub>
306	0.435
233	0.434

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>Lee Weinel Weinel</b> <i>CFO</i>  06/28/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WPTD STA EngSta 6-27-19.pdf</u>	Applicant	General Information	Explanation for STA Request