



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000086342** | Submit Date: **10/11/2019** | Call Sign: **WPTO** | Facility ID: **25065** | FRN: **0003025004** | State: **Ohio** | City: **OXFORD**
Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **10/16/2019** | 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
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
Applicant Doing Business As: GREATER DAYTON PUBLIC TELEVISION, INC.				

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
(5)**

Contact Name	Address	Phone	Email	Contact Type
TODD D. GRAY GRAY MILLER PERSH LLP	2233 Wisconsin Avenue, NW Suite 226 WASHINGTON, DC 20007 United States	+1 (202) 776-2571	TGRAY@GRAYMILLERPERSH. COM	Legal Representative
BENJAMIN PIDEK , P.E . <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
H FRED STONE FRED STONE GREATER DAYTON PUBLIC TELEVISION INC	110 SOUTH JEFFERSON STREET DAYTON, OH 45402 United States	+1 (937) 848-4112	FSTONE@THINKTV.ORG	Technical Representative
Derek Teslik 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
Lee Weinel <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	25065
	State	Ohio
	City	OXFORD
	DTV Channel	29
	Designated Market Area	CINCINNATI
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	1038226
Coordinates (NAD83)	Latitude	39° 07' 27.0" N+
	Longitude	084° 31' 18.0" W-
	Structure Type	LTOWER-Lattice Tower
	Overall Structure Height	289.6 meters
	Support Structure Height	273.1 meters
	Ground Elevation (AMSL)	255.4 meters
Antenna Data	Height of Radiation Center Above Ground Level	221.0 meters
	Height of Radiation Center Above Average Terrain	265.0 meters
	Height of Radiation Center Above Mean Sea Level	476.4 meters
	Effective Radiated Power	253 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1005712
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TFU-16WB-R C160
	Rotation	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	0.895	90	0.997	180	0.365	270	.662
10	0.833	100	0.972	190	0.474	280	0.768
20	0.787	110	0.930	200	0.589	290	0.837
30	0.771	120	0.884	210	0.635	300	0.887
40	0.787	130	0.834	220	0.589	310	0.932
50	0.832	140	0.765	230	0.474	320	0.973
60	0.894	150	0.659	240	0.366	330	0.998
70	0.955	160	0.517	250	0.386	340	0.993
80	0.992	170	0.384	260	0.520	350	0.955

Additional Azimuths

Degree	V _A
334	1.0
333	1.0

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>Lee Weinel Weinel <i>CFO</i></p> <p>10/11/2019</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
WPTO Ch. 29 STA EngSta 10-4-19.pdf	Applicant	All Purpose	Explanation for STA Request
WPTO FCC Ch. 29 Interim Antenna Pattern.pdf	Applicant	All Purpose	WPTO FCC Ch. 29 Antenna Pattern Data