



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000074148** | Submit Date: **06/03/2019** | Call Sign: **WVIZ** | Facility ID: **18753** | FRN: **0005277538** | State: **Ohio** | City: **Cleveland**
Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **06/11/2019** | 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
IDEASTREAM Applicant Doing Business As: IDEASTREAM	Kevin E. Martin Idea Center 1375 Euclid Avenue Cleveland, OH 44115 United States	+1 (216) 916- 6455	kevin.martin@ideastream. 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
KEVIN MARTIN <i>PRESIDENT AND CEO</i> IDEASTREAM	KEVIN MARTIN IDEA CENTER 1375 EUCLID AVENUE CLEVELAND, OH 44115 United States	+1 (216) 916- 6455	Kevin. Martin@ideastream. org	President and CEO
P.E BENJAMIN PIDEK PIDEK , P. E . MID-STATE CONSULTANTS	6197 MILLER RD., SUITE 1 SWARTZ CREEK, MI 48473 United States	+1 (810) 226- 0750	BPIDEK@MSCON. COM	Technical Representative
STEVEN C. SCHAFFER , ESQ . Garvey Schubert Barer	1000 Potomac Street, N.W. Suite 200 WASHINGTON, DC 20007 United States	+1 (202) 298- 2535	sschaffer@gsblaw. com	Legal Representative
ESQ STEVEN C. SCHAFFER A. Virtue , Esq . Garvey Schubert Barer	Melodie A. Virtue PO Box 20007-3501 Suite 200 WASHINGTON, DC 20007 United States	+1 (202) 298- 2535	sschaffer@gsblaw. com	Legal Representative

**Channel and
Facility
Information**

Section	Question	Response
Proposed Community of License	Facility ID	18753
	State	Ohio
	City	Cleveland
	DTV Channel	26
	Designated Market Area	CLEVELAND-AKRON (CANTON)
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	1265403
Coordinates (NAD83)	Latitude	41° 23' 09.9" N+
	Longitude	081° 41' 20.7" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	278.0 meters
	Support Structure Height	278.0 meters
	Ground Elevation (AMSL)	317.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	165.2 meters
	Height of Radiation Center Above Average Terrain	336.9 meters
	Height of Radiation Center Above Mean Sea Level	482.2 meters
	Effective Radiated Power	78 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1005075
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TFU-8WB-R C160
	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	0.652	90	0.915	180	0.788	270	0.869
10	0.570	100	0.955	190	0.820	280	0.813
20	0.448	110	0.987	200	0.876	290	0.726
30	0.385	120	0.999	210	0.937	300	0.6
40	0.459	130	0.982	220	0.983	310	0.458
50	0.6	140	0.937	230	1.0	320	0.381
60	0.727	150	0.876	240	0.987	330	0.444
70	0.815	160	0.820	250	0.953	340	0.568
80	0.872	170	.788	260	0.913	350	0.651

Additional Azimuths

Degree	V _A
--------	----------------

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>Sylvia Strobel Strobel <i>Chief Operating Officer</i></p> <p>06/03/2019</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
WVIZ STA EngSta 5-29-19.pdf	Applicant	General Information	Explanation for STA Request