



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000058312 | Submit Date: 07/13/2018 | Call Sign: WFWA | Facility ID: 22108 | FRN: 0007158843 | State: Indiana | City: FORT WAYNE

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 07/31/2018 | 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
FORT WAYNE PUBLIC TELEVISION, INC. Applicant Doing Business As: FORT WAYNE PUBLIC TELEVISION, INC.	2501 EAST COLISEUM BOULEVARD FORT WAYNE, IN 46805 United States	+1 (260) 484-8839	brucehaines@wfw. 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
Ryan Wilhour KYLE Kessler and Gehman Associates, Inc.	507 NW 60th ST, STE D Gainesville, FL 32607 United States	+1 (352) 332- 3157	ryan@kesslerandgehman. com	Technical Representative
Margaret L. Miller L. Miller Gray Miller Persh LLP	1200 New Hampshire Ave., NW Suite 410 Washington, DC 20036 United States	+1 (202) 776- 2914	mmiller@graymillerpersh. com	Legal Representative
Ryan Wilhour Wilhour Kessler and Gehman Associates, Inc.	507 NW 60th ST, STE D Gainesville, FL 32607 United States	+1 (352) 332- 3157	test@fcc.gov	Technical Representative

Channel and
Facility
Information

Section	Question	Response
Proposed Community of License	Facility ID	22108
	State	Indiana
	City	FORT WAYNE
	DTV Channel	18
	Designated Market Area	FT. WAYNE
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	1030891
Coordinates (NAD83)	Latitude	41° 06' 13.0" N+
	Longitude	085° 11' 28.0" W-
	Structure Type	LTOWER-Lattice Tower
	Overall Structure Height	228.0 meters
	Support Structure Height	212.0 meters
	Ground Elevation (AMSL)	248.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	160 meters
	Height of Radiation Center Above Average Terrain	159.6 meters
	Height of Radiation Center Above Mean Sea Level	408.0 meters
	Effective Radiated Power	350 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1003936
Antenna Manufacturer and Model	Manufacturer:	Micronetixx
	Model	CS-2050-7730-18
	Rotation	0 degrees
	Electrical Beam Tilt	0.75
	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	0.855	90	0.530	180	0.770	270	1.000
10	0.795	100	0.535	190	0.845	280	1.000
20	0.710	110	0.505	200	0.890	290	0.990
30	0.605	120	0.440	210	0.920	300	0.975
40	0.495	130	0.385	220	0.935	310	0.965
50	0.415	140	0.375	230	0.950	320	0.940
60	0.395	150	0.440	240	0.965	330	0.930
70	0.435	160	0.550	250	0.975	340	0.910
80	0.495	170	0.670	260	0.990	350	0.890

Additional Azimuths

Degree	V _A
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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	FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID 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.	Bruce R. Haines R. Haines <i>President and General Manager</i> 07/13/2018

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WFWA Engineering STA Narrative.pdf</u>	Applicant	General Information	WFWA Engineering STA Narrative