



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000078421** | Submit Date: **07/22/2019** | Call Sign: **WXXI-TV** | Facility ID: **57274** | FRN: **0003410362** | State: **New York** | City: **ROCHESTER**

Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **07/26/2019** | 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
WXXI PUBLIC BROADCASTING COUNCIL Applicant Doing Business As: WXXI PUBLIC BROADCASTING COUNCIL	SUSAN M. ROGERS PO Box 30021 ROCHESTER, NY 14603 United States	+1 (585) 258-0200	srogers@wxxi.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
(2)

Contact Name	Address	Phone	Email	Contact Type
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
Melodie A. Virtue A. Virtue Garvey Schubert Barer, P.C.	1000 Potomac Street, N.W. Suite 200 Washington, DC 20007 United States	+1 (202) 298- 2527	mvirtue@gsblaw. com	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	57274
	State	New York
	City	ROCHESTER
	DTV Channel	22
	Designated Market Area	ROCHESTER NY
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	1003958
Coordinates (NAD83)	Latitude	43° 08' 07.0" N+
	Longitude	077° 35' 02.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	105.0 meters
	Support Structure Height	84.0 meters
	Ground Elevation (AMSL)	205.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	74.2 meters
	Height of Radiation Center Above Average Terrain	132.7 meters
	Height of Radiation Center Above Mean Sea Level	279.2 meters
	Effective Radiated Power	195.0 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1005276
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	ATW21H3-HSC170-22L
	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	0.245	90	0.940	180	0.899	270	0.940
10	0.232	100	0.987	190	0.900	280	0.854
20	0.207	110	1.0	200	0.905	290	0.733
30	0.218	120	0.988	210	0.917	300	0.588
40	0.302	130	0.963	220	0.936	310	0.437
50	0.437	140	0.936	230	0.963	320	0.302
60	0.588	150	0.917	240	0.988	330	0.218
70	0.733	160	0.905	250	1.0	340	0.207
80	0.854	170	0.900	260	0.987	350	0.232

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.	Susan Rogers Rogers <i>Executive Vice President and General Manager</i> 07/22/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WXXI Ch. 22 STA App 7-18-19.pdf</u>	Applicant	General Information	Explanation for STA