Approved by OMB (Office of Management and Budget) 3060-0386
July 2002

Federal Communications Commission

(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000106507** | Submit Date: **02/24/2020** | Call Sign: **WSKG-TV** | Facility ID: **74034** | FRN: **0003775830**
State: **New York** | City: **BINGHAMTON**
Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **03/04/2020** | 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
WSKG PUBLIC TELECOMMUNICATIONS COUNCIL **Applicant** Doing Business As: WSKG PUBLIC TELECOMMUNICATIONS COUNCIL	Greg Catlin 601 GATES ROAD, SUITE 4 VESTAL, NY 13850 United States	+1 (607) 729-0100	gcatlin@wskg.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
MARGARET L. MILLER **L. MILLER** Gray Miller Persh LLP	2233 Wisconsin Avenue, NW Suite 226 Washington, DC 20007 United States	+1 (202) 776-2914	MMILLER@GRAYMILLERPERSH.COM	Legal Representative
Dennis Wallace Snelson Meintel, Sgrignoli, & Wallace, LLC	1282 Smallwood Drive Suite 372 Waldorf, MD 20603 United States	+1 (202) 251-7589	dennis.wallace@mswdtv.com	Technical Representative
Dennis Wallace Wallace Meintel, Sgrignoli, & Wallace, LLC	Dennis Wallace 1282 Smallwood Drive Suite 372 Waldorf, MD 20603 United States	+1 (202) 251-7589	test@fcc.gov	Technical Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	74034
	State	New York
	City	BINGHAMTON
	DTV Channel	31
	Designated Market Area	BINGHAMTON
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	1236974
Coordinates (NAD83)	Latitude	42° 03' 40.2" N+
	Longitude	075° 56' 44.2" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	288.6 meters
	Support Structure Height	243.8 meters
	Ground Elevation (AMSL)	521.2 meters
Antenna Data	Height of Radiation Center Above Ground Level	234.7 meters
	Height of Radiation Center Above Average Terrain	360 meters
	Height of Radiation Center Above Mean Sea Level	755.9 meters
	Effective Radiated Power	40.2 kW

Antenna Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006455
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TFU-8WB-R C160
	Rotation	0 degrees
	Electrical Beam Tilt	1.00
	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	0.771	**90**	0.881	**180**	0.621	**270**	0.879
10	0.786	**100**	0.830	**190**	0.574	**280**	0.926
20	0.829	**110**	0.762	**200**	0.455	**290**	0.968
30	0.891	**120**	0.657	**210**	0.346	**300**	0.994
40	0.952	**130**	0.514	**220**	0.373	**310**	0.988
50	0.992	**140**	0.375	**230**	0.514	**320**	0.949
60	0.998	**150**	0.349	**240**	0.658	**330**	0.889
70	0.972	**160**	0.458	**250**	0.763	**340**	0.828
80	0.929	**170**	0.575	**260**	0.830	**350**	0.785

Additional Azimuths

Degree	V_A
58	1.000
57	1.000
56	1.000
55	1.000

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.	**Greg Catlin Catlin** *President and CEO* 02/24/2020

Attachments

File Name	Uploaded By	Attachment Type	Description
eng_statement.pdf	Applicant	General Information	Engineering Statement and STA Request Justification
Radio_Freq_Exposure_statement.pdf	Applicant	All Purpose	Environmental and Radiofrequency Exposure Statement