



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000112822 | Submit Date: 04/28/2020 | Call Sign: KSTC-TV | Facility ID: 35843 | FRN: 0009769514 | State: Minnesota | City: MINNEAPOLIS

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 04/29/2020 | Expiration Date:

Filing Status: InActive

General Information

Section	Question	Response
---------	----------	----------

Fees, Waivers, and Exemptions

Section	Question	Response
Fees	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
Waivers	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	

Application Type	Fee Code	Fee Amount
Engineering STA	MGT	\$200.00
Total		\$200.00

Applicant
Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
KSTC-TV, LLC Applicant Doing Business As: KSTC-TV, LLC	3415 UNIVERSITY AVENUE, WEST ST. PAUL, MN 55114 United States	+1 (651) 642-4334	kbowman@kstp.com	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
Jr Louis R duTreil R duTreil , Jr . duTreil Lundin & Rackley Inc	3135 Southgate Circle Sarasota, FL 34239 United States	+1 (941) 329- 6004	bobjr@DLR.com	Technical Representative
Esq Bill LeBeau LeBeau , Esq . Holland & Knight LLP	B. LeBeau 800 17th Street, N. W. Suite 1100 Washington, DC 20006 United States	+1 (202) 862- 5965	bill.lebeau@hklaw. com	Legal Representative

Channel and
Facility
Information

Section	Question	Response
Proposed Community of License	Facility ID	35843
	State	Minnesota
	City	MINNEAPOLIS
	DTV Channel	30
	Designated Market Area	Minneapolis-St. Paul
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	2

Antenna Location
Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1023883
Coordinates (NAD83)	Latitude	45° 03' 45.0" N+
	Longitude	093° 08' 22.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	438.3 meters
	Support Structure Height	392.6 meters
	Ground Elevation (AMSL)	304.9 meters
Antenna Data	Height of Radiation Center Above Ground Level	394.7 meters
	Height of Radiation Center Above Average Terrain	423 meters
	Height of Radiation Center Above Mean Sea Level	699.6 meters
	Effective Radiated Power	716 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006727
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	i230ECW-16-30
	Rotation	200 degrees
	Electrical Beam Tilt	1.50
	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	.802	90	.837	180	.112	270	.837
10	.772	100	.709	190	.109	280	.935
20	.729	110	.567	200	.124	290	.993
30	.739	120	.441	210	.166	300	.992
40	.826	130	.33	220	.237	310	.923
50	.923	140	.237	230	.33	320	.826
60	.992	150	.166	240	.441	330	.739
70	.993	160	.124	250	.567	340	.729
80	.935	170	.109	260	.709	350	.772

Additional Azimuths

Degree	V _A
65	1
295	1

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.	Ryan Vandewiele Vandewiele <i>Vice President</i> 04/28/2020

Attachments

File Name	Uploaded By	Attachment Type	Description
KSTC TV 30 STA Antenna Information.pdf	Applicant	All Purpose	ANTENNA INFORMATION
KSTC TV 30 STA Coverage Map.pdf	Applicant	All Purpose	PREDICTED COVERAGE CONTOURS
KSTC TV 30 STA RF Hazard Statement.pdf	Applicant	All Purpose	RF HAZARD STATEMENT
KSTC TV 30 STA Technical Summary.pdf	Applicant	General Information	TECHNICAL SUMMARY