



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000226848** | Submit Date: **11/17/2023** | Call Sign: **KDLO-TV** | Facility ID: **41975** | FRN: **0009961889** |

State: **South Dakota** | City: **FLORENCE**

Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **11/27/2023** | Expiration Date: **05/26/2024** |

Filing Status: **Active**

General Information

Section	Question	Response
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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	MPV	\$300.00
Total		\$300.00

**Applicant
Information**

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Nexstar Media Inc.	Christine Reilly 545 E. John Carpenter Freeway Suite 700 Irving, TX 75062 United States	+1 (972) 764-6721	creilly@nexstar.tv	Corporation

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
William T Godfrey , Jr . <i>Consulting Engineers</i> Kessler and Gehman Associates, Inc.	William T. Godfrey, Jr. Kessler and Gehman Associates, Inc. 507-D NW 60th Street Gainesville, FL 32607-2055 United States	+1 (352) 332- 3157	bill@kesslerandgehman. com	Technical Representative
Jason Roberts <i>VP, Assoc General Counsel</i> Nexstar Media Inc.	Jason Roberts 545 E. John Carpenter Freeway Suite 700 Irving, TX 75062 United States	+1 (214) 765- 4229	jasroberts@nexstar.tv	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	41975
	State	South Dakota
	City	FLORENCE
	DTV Channel	3
	Designated Market Area	Sioux Falls(Mitchell)
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	1035408
Coordinates (NAD83)	Latitude	44° 57' 56.0" N+
	Longitude	097° 35' 23.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	519.7 meters
	Support Structure Height	488.0 meters
	Ground Elevation (AMSL)	563.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	169.2 meters
	Height of Radiation Center Above Average Terrain	179.0 meters
	Height of Radiation Center Above Mean Sea Level	732.2 meters
	Effective Radiated Power	2.8 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1011266
Antenna Manufacturer and Model	Manufacturer:	Kathrein (Scala)
	Model	CL-24
	Rotation	90 degrees
	Electrical Beam Tilt	Not Applicable
	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	1.000	90	0.015	180	0.047	270	0.015
10	0.940	100	0.010	190	0.045	280	0.025
20	0.835	110	0.010	200	0.043	290	0.035
30	0.655	120	0.010	210	0.035	300	0.105
40	0.460	130	0.010	220	0.015	310	0.295
50	0.295	140	0.015	230	0.010	320	0.460
60	0.105	150	0.035	240	0.010	330	0.655
70	0.035	160	0.043	250	0.010	340	0.835
80	0.025	170	0.045	260	0.010	350	0.940

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.	Christine Reilly <i>VP and Associate General Counsel</i> 11/17/2023

Attachments

File Name	Uploaded By	Attachment Type	Description
Kathrein Interim Antenna.pdf	Applicant	General Information	Interim Antenna Data
Purpose of KDLO-TV Engineering STA.pdf	Applicant	STA Purpose	Engineering STA Purpose