



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000121794** | Submit Date: **09/18/2020** | Call Sign: **KRDK-TV** | Facility ID: **49134** | FRN: **0023903552**
 State: **North Dakota** | City: **VALLEY CITY**
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **09/18/2020** | Expiration Date: **03/18/2021**
 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	MGT	\$200.00
Total		\$200.00

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
PARKER BROADCASTING OF DAKOTA LICENSE, LLC Doing Business As: PARKER BROADCASTING OF DAKOTA LICENSE, LLC	RAVI KAPUR 2118 WALSH AVENUE, SUITE 208 SANTA CLARA, CA 95050 United States	+1 (415) 886-7284	FCC@CHICAGO22.COM	Limited Liability Company

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
Dennis P. Corbett Telecommunications Law Professionals PLLC	1025 Connecticut Avenue, NW Suite 1011 Washington, DC 20036 United States	+1 (202) 789- 3115	dcorbett@telecomlawpros. com	Legal Representative
Benjamin Pidek , P.E . <i>Consulting Engineer</i> Mid-State Consultants	1332 Norfolk Ave. Swartz Creek, MI 48473 United States	+1 (810) 226- 0750	bpidek@mscon.com	Technical Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	49134
	State	North Dakota
	City	VALLEY CITY
	DTV Channel	24
	Designated Market Area	Fargo
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	1038731
Coordinates (NAD83)	Latitude	47° 16' 45.0" N+
	Longitude	097° 20' 27.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	627.8 meters
	Support Structure Height	589.1 meters
	Ground Elevation (AMSL)	324.6 meters
Antenna Data	Height of Radiation Center Above Ground Level	566 meters
	Height of Radiation Center Above Average Terrain	573 meters
	Height of Radiation Center Above Mean Sea Level	890.6 meters
	Effective Radiated Power	285 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1007342
Antenna Manufacturer and Model	Manufacturer:	JAM
	Model	JSH-26/24 SEC-R
	Rotation	5 degrees
	Electrical Beam Tilt	1
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
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	.644	90	.908	180	.906	270	.202
10	.733	100	.897	190	.821	280	.247
20	.826	110	.902	200	.730	290	.248
30	.916	120	.914	210	.639	300	.202
40	.977	130	.930	220	.546	310	.178
50	1.00	140	.958	230	.446	320	.229
60	.990	150	.988	240	.335	330	.334
70	.960	160	.995	250	.232	340	.449
80	.930	170	.967	260	.180	350	.552

Additional Azimuths

Degree	V _A
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Certification

Section	Question	Response
<p>General Certification Statements</p>	<p>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.).</p>	
	<p>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.</p>	
<p>Authorized Party to Sign</p>	<p>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</p> <p>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.</p> <p>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).</p>	
	<p>I certify that this application includes all required and relevant attachments.</p>	<p>Yes</p>
	<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Deepti Dawar <i>Vice President</i></p> <p>09/18/2020</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
KRDK DTS-2 Azimuth Pattern.pdf	Applicant	All Purpose	DTS Site 2 - Antenna Azimuth Pattern
KRDK DTS-2 Elevation Pattern.pdf	Applicant	All Purpose	DTS Site 2 - Antenna Elevation Pattern
KRDK DTS STA EngSta 9-17-20.pdf	Applicant	General Information	Explanation for STA Request