



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000059675** | Submit Date: **09/19/2018** | Call Sign: **KSL-TV** | Facility ID: **6359** | FRN: **0006165955** | State: **Utah** | City: **SALT LAKE CITY**
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **09/25/2018** | Expiration Date: **03/25/2019** | Filing Status: **InActive**

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
BONNEVILLE INTERNATIONAL CORPORATION	Michael L. Dowdle 55 NORTH 300 WEST 2ND FLOOR SALT LAKE CITY, UT 84101 United States	+1 (801) 575- 5874	mdowdle@bonneville. com	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
(3)**

Contact Name	Address	Phone	Email	Contact Type
Scott Cameron Jones <i>VP Engineering Technology</i> Bonneville International Corporation	PO Box 1160 Salt Lake City, UT 84110 United States	+1 (801) 575- 7433	sjones@bonneville.com	Technical Representative
William Meintel <i>Senior Partner</i> Meintel, Sgrignoli & Wallace, LLC	PO Box 907 Warrenton, VA 20187 United States	+1 (540) 428- 2308	william. meintel@mswdtv.com	Technical Representative
Kenneth E. Satten WILKINSON BARKER KNAUER, LLP	1800 M Street, NW Suite 800N WASHINGTON, DC 20036 United States	+1 (202) 783- 4141	ksatten@wbklaw.com	Legal Representative

Channel and Facility Information

Section	Question	Response
Facility ID	6359	
State	Utah	
City	SALT LAKE CITY	
DTV Channel	23	
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	1237796
Coordinates (NAD83)	Latitude	40° 39' 35.0" N+
	Longitude	112° 12' 07.5" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	86.0 meters
	Support Structure Height	86.0 meters
	Ground Elevation (AMSL)	2755.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	64.3 meters
	Height of Radiation Center Above Average Terrain	1267 meters
	Height of Radiation Center Above Mean Sea Level	2819.3 meters
	Effective Radiated Power	165.0 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1004128
Antenna Manufacturer and Model	Manufacturer:	KATHREIN
	Model	773941
	Rotation	352.0 degrees
	Electrical Beam Tilt	1.5
	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	0.735	90	0.517	180	0.746	270	0.993
10	0.887	100	0.487	190	0.567	280	0.978
20	0.971	110	0.503	200	0.548	290	0.856
30	0.962	120	0.676	210	0.591	300	0.692
40	0.927	130	0.851	220	0.545	310	0.549
50	0.819	140	0.920	230	0.488	320	0.610
60	0.634	150	0.940	240	0.625	330	0.674
70	0.468	160	0.947	250	0.810	340	0.616
80	0.477	170	0.905	260	0.955	350	0.580

Additional Azimuths

Degree	V _A
272.0	1.000

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>Michael L. Dowdle <i>Senior Vice President and General Counsel</i></p> <p>09/19/2018</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>Kathrein_773941AUX_ANTENNA_CH_23.pdf</u>	Applicant	All Purpose	Antenna Data
<u>KSL_CH_23_AUX_165_KW_tvixstudy.txt</u>	Applicant	All Purpose	TVStudy analysis results
<u>RF Exposure Statement.pdf</u>	Applicant	General Information	RF Exposure Statement
<u>STA Justification and Engineering Statement.pdf</u>	Applicant	General Information	STA justification and engineering statement