



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000063396** | Submit Date: **11/07/2018** | Call Sign: **KCEC** | Facility ID: **57219** | FRN: **0002531630** | State: **Colorado** | City: **BOULDER**
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **11/14/2018** | Expiration Date: **05/14/2019** | 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
SPANISH TELEVISION OF DENVER, INC. Doing Business As: SPANISH TELEVISION OF DENVER, INC.	CHRISTOPHER G. WOOD 5999 CENTER DRIVE LOS ANGELES, CA 90045 United States	+1 (310) 348-3600	CWOOD@UNIVISION. NET	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 Jeffrey Reynolds <i>Technical Consultant</i> du Treil, Lundin & Rackley, Inc.	3135 Southgate Circle Sarasota, FL 34239- 5515 United States	+1 (941) 329- 6013	JEFF@DLR.COM	Technical Representative
ANN WEST BOBECK COVINGTON & BURLING LLP	ONE CITYCENTER 850 TENTH STREET NW WASHINGTON, DC 20001 United States	+1 (202) 662- 5719	ABOBECK@COV. COM	Legal Representative

Channel and Facility Information

Section	Question	Response
Facility ID	57219	
State	Colorado	
City	BOULDER	
DTV Channel	15	
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	1023484
Coordinates (NAD83)	Latitude	39° 40' 17.4" N+
	Longitude	105° 13' 08.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	83.5 meters
	Support Structure Height	82.9 meters
	Ground Elevation (AMSL)	2342.6 meters
Antenna Data	Height of Radiation Center Above Ground Level	54 meters
	Height of Radiation Center Above Average Terrain	363 meters
	Height of Radiation Center Above Mean Sea Level	2396.6 meters
	Effective Radiated Power	660 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	1004299
Antenna Manufacturer and Model	Manufacturer:	RFS
	Model	SBB-E-24C170
	Rotation	4 degrees
	Electrical Beam Tilt	1
	Mechanical Beam Tilt	1
	toward azimuth	77
	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	0.968	90	0.896	180	0.745	270	0.264
10	0.991	100	0.92	190	0.624	280	0.219
20	1.0	110	0.954	200	0.489	290	0.274
30	0.984	120	0.982	210	0.350	300	0.405
40	0.954	130	0.994	220	0.239	310	0.555
50	0.926	140	0.988	230	0.229	320	0.688
60	0.908	150	0.958	240	0.285	330	0.797
70	0.895	160	0.906	250	0.322	340	0.875
80	0.888	170	0.839	260	0.315	350	0.931

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>CHRISTOPHER G. WOOD <i>SVP ASSOC GEN COUN GOV AND REG AFF</i></p> <p>11/07/2018</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
20181114102009-540.pdf	Internal	All Purpose	
BoulderCO KCEC STA 15 TVStudy Analysis 2018Nov05A.pdf	Applicant	General Information	TVSTUDY ANALYSIS
KCEC Lic-STA Comparison.pdf	Applicant	General Information	KCEC NLSC COVERAGE MAP
KCEC STA - Antenna Information.pdf	Applicant	General Information	ANTENNA INFORMATION
KCEC STA Technical Summary & Justification.pdf	Applicant	General Information	KCEC STA TECHNICAL SUMMARY AND JUSTIFICATION