



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000054954** | Submit Date: **06/04/2018** | Call Sign: **KUED** | Facility ID: **69396** | FRN: **0001597590** | State: **Utah** | City: **SALT LAKE CITY**
Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **06/13/2018** | Expiration Date: |
Filing Status: **InActive**

General Information

Section	Question	Response
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Fees, Waivers, and Exemptions

Section	Question	Response
Waivers	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
UNIVERSITY OF UTAH Applicant Doing Business As: UNIVERSITY OF UTAH	Philip Titus 101 WASATCH DRIVE BLDG. 179 SALT LAKE CITY, UT 84112 United States	+1 (801) 585-3601	ptitus@kued.org	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
(3)**

Contact Name	Address	Phone	Email	Contact Type
Michael Beder Beder Covington and Burling	One CityCenter 850 Tenth St. NW Washington, DC 20001 United States	+1 (202) 662- 5138	mbeder@cov.com	Legal Representative
William Meintel Meintel Meintel, Sgrignoli & Wallace, LLC	Bill Meintel PO Box 907 Warrenton, VA 20187 United States	+1 (540) 428- 2308	test@fcc.gov	Technical Representative
William Meintel Titus Meintel, Sgrignoli & Wallace, LLC	Warrenton, VA 20187 United States	+1 (540) 428- 2308	william.meintel@mswdtv. com	Technical Representative

**Channel and
Facility
Information**

Section	Question	Response
Proposed Community of License	Facility ID	69396
	State	Utah
	City	SALT LAKE CITY
	DTV Channel	42
	Designated Market Area	SALT LAKE CITY
Facility Type	Facility Type	Noncommercial Educational
	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	1238 meters
	Height of Radiation Center Above Mean Sea Level	2819.3 meters
	Effective Radiated Power	174 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1003833
Antenna Manufacturer and Model	Manufacturer:	KATHREIN
	Model	773941
	Rotation	352 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	0.672	90	0.613	180	0.841	270	0.923
10	0.902	100	0.610	190	0.617	280	0.950
20	0.989	110	0.507	200	0.525	290	0.939
30	0.977	120	0.610	210	0.676	300	0.754
40	0.923	130	0.813	220	0.668	310	0.562
50	0.891	140	0.902	230	0.531	320	0.596
60	0.781	150	0.917	240	0.596	330	0.716
70	0.569	160	0.944	250	0.804	340	0.665
80	0.490	170	0.944	260	0.902	350	0.546

Additional Azimuths

Degree	V _A
22.0	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>Philip Titus Titus <i>Director of Engineering</i> KUED/KUEN</p> <p>06/04/2018</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
KUED_Aux_STA.pdf	Applicant	General Information	STA Justification