



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000054955** | Submit Date: **06/04/2018** | Call Sign: **KUEN** | Facility ID: **69582** | FRN: **0021914072** | State: **Utah** | City: **OGDEN**  
Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **06/13/2018** | Expiration Date: **12/10/2018** |  
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**

<b>Applicant</b>	<b>Address</b>	<b>Phone</b>	<b>Email</b>	<b>Applicant Type</b>
<b>UTAH STATE BOARD OF REGENTS Applicant</b> Doing Business As: UTAH STATE BOARD OF REGENTS	Philip Titus 101 S. WASATCH DRIVE ROOM 215 SALT LAKE CITY, UT 84112 United States	+1 (801) 585-3601	ptitus@kued.org	Other

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**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
<b>Michael Beder</b> Covington and Burling	One CityCenter 850 Tenth Street NW Washington, DC 20001 United States	+1 (202) 662- 5138	mbeder@cov.com	Legal Representative
<b>William Meintel</b> <i>Senior Partner</i> Meintel, Sgrignoli & Wallace, LLC	Bill Meintel PO Box 907 Warrenton, VA 20187 United States	+1 (540) 428- 2308	william. meintel@mswdtv.com	Technical Representative
<b>Philip Titus</b> <i>DIRECTOR OF ENGINEERING</i> KUEW / Utah State Board of Regents	Philip Titus 101 S. WASATCH DRIVE SALT LAKE CITY, UT 84112 United States	+1 (801) 581- 7777	PTITUS@MEDIA. UTAH.EDU	Technical Representative

**Channel and Facility Information**

Section	Question	Response
Facility ID	69582	
State	Utah	
City	OGDEN	
DTV Channel	36	
<b>Facility Type</b>	Facility Type	Noncommercial Educational
	Station Type	Main
<b>Zone</b>	Zone	2

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1237796
<b>Coordinates (NAD83)</b>	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
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	64.3 meters
	Height of Radiation Center Above Average Terrain	1235 meters
	Height of Radiation Center Above Mean Sea Level	2819.3 meters
	Effective Radiated Power	166 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1003834
<b>Antenna Manufacturer and Model</b>	Manufacturer:	KATHREIN
	Model	773941
	Rotation	352 degrees
	Electrical Beam Tilt	1.5
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
<b>DTV and DTS: Elevation Pattern</b>	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	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)
0	0.716	90	0.624	180	0.866	270	0.912
10	0.912	100	0.631	190	0.665	280	0.912
20	1.000	110	0.537	200	0.537	290	0.891
30	0.966	120	0.661	210	0.653	300	0.767
40	0.933	130	0.871	220	0.668	310	0.579
50	0.917	140	0.933	230	0.556	320	0.613
60	0.832	150	0.923	240	0.646	330	0.741
70	0.631	160	0.939	250	0.841	340	0.700
80	0.507	170	0.961	260	0.923	350	0.596

**Additional Azimuths**

Degree	V <sub>A</sub>
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**Certification**

Section	Question	Response
<p><b>General Certification Statements</b></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><b>Authorized Party to Sign</b></p>	<p><b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b></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><b>Philip Titus</b>  <i>Director of Engineering</i>  <b>KUED/KUEN</b></p> <p>06/04/2018</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">KUEN_Aux_STA.pdf</a>	Applicant	General Information	STA Justification