



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000068152** | Submit Date: **02/28/2019** | Call Sign: **KUCW** | Facility ID: **1136** | FRN: **0009961889** | State: **Utah** | City: **OGDEN**  
Service: **DTV** | Purpose: **Engineering STA** | Status: **Dismissed** | Status Date: **03/25/2019** | Filing Status: **InActive**

## General Information

Section	Question	Response
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## Fees, Waivers, and Exemptions

Section	Question	Response
<b>Fees</b>	Is the applicant exempt from FCC application Fees?	Yes
	Indicate reason for fee exemption:	Section 1.1116(a)/Incentive Auction Filing Requirement
<b>Waivers</b>	Does this filing request a waiver of the Commission's rule(s)?	Yes
	Total number of rule sections involved in this waiver request:	1

**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>NEXSTAR BROADCASTING, INC.</b>	Elizabeth Ryder 545 E. John Carpenter Freeway SUITE 700 Irving, TX 75062 United States	+1 (972) 373- 8800	eryder@nexstar. tv	Corporation

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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  
(2)**

Contact Name	Address	Phone	Email	Contact Type
<b>William T. Godfrey , Jr .</b> <i>Consulting Engineers</i> Kessler and Gehman Associates, Inc.	William T. Godfrey, Jr. Kessler and Gehman Associates, Inc. 507-D NW 60th Street Gainesville, FL 32607 United States	+1 (352) 332- 3157	bill@kesslerandgehman. com	Technical Representative
<b>Elizabeth Ryder</b> <i>General Counsel</i> Nexstar Broadcasting, Inc.	545 E John Carpenter Freeway Suite 700 Irving, TX 75062 United States	+1 (972) 373- 8800	eryder@nexstar.tv	Legal Representative

**Channel and Facility Information**

Section	Question	Response
Facility ID	1136	
State	Utah	
City	OGDEN	
DTV Channel	35	
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	2

**Primary station proposed to be rebroadcast:**

Facility Id	Call Sign	City	State
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**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1062408
<b>Coordinates (NAD83)</b>	Latitude	40° 39' 33.0" N+
	Longitude	112° 12' 10.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	94.0 meters
	Support Structure Height	94.0 meters
	Ground Elevation (AMSL)	2754.0 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	89.8 meters
	Height of Radiation Center Above Average Terrain	1259.3 meters
	Height of Radiation Center Above Mean Sea Level	2843.8 meters
	Effective Radiated Power	432 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1004683
<b>Antenna Manufacturer and Model</b>	Manufacturer:	KATHREIN
	Model	759 25063
	Rotation	0 degrees
	Electrical Beam Tilt	1.7
	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	Value	Degree	Value	Degree	Value	Degree	Value
0	0.642	90	0.666	180	0.708	270	0.914
10	0.822	100	0.559	190	0.501	280	0.839
20	0.925	110	0.436	200	0.516	290	0.793
30	0.947	120	0.601	210	0.613	300	0.686
40	0.926	130	0.750	220	0.565	310	0.496
50	0.894	140	0.820	230	0.456	320	0.442
60	0.762	150	0.894	240	0.709	330	0.546
70	0.547	160	0.924	250	0.959	340	0.506
80	0.582	170	0.869	260	0.991	350	0.455

**Additional Azimuths**

Degree	V <sub>A</sub>
316	0.427
256	1.000

**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>Elizabeth Ryder</b> <i>General Counsel</i></p> <p>02/28/2019</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">599 MHZ Upper horizontal.pdf</a>	Applicant	General Information	Updated Azimuth Pattern (Relative Field)
<a href="#">599 MHz upper vertical.pdf</a>	Applicant	General Information	Updated Elevation Pattern (Relative Field)
<a href="#">DTV Utah 75925063 2018-10-30.pdf</a>	Applicant	General Information	Antenna Specifications
<a href="#">KUCW-D35 AZ Pat (dB) H-Pol (Upper Half).pdf</a>	Applicant	General Information	Updated Azimuth Pattern (Plot)
<a href="#">KUCW-D35 EL Pat (dB) - Upper Half.pdf</a>	Applicant	General Information	Elevation Pattern (Plot)
<a href="#">Purpose of STA.pdf</a>	Applicant	General Information	Purpose of STA
<a href="#">Section 73.622(e)(1) Waiver.pdf</a>	Applicant	Fees, Waivers and Exemptions	Section 73.622(e)(1) Waiver
<a href="#">tvixstudy.pdf</a>	Applicant	General Information	TVStudy