



(REFERENCE COPY - Not for submission)

## Amendment to a DTV Engineering STA Application

File Number: **0000059990** | Submit Date: **10/15/2018** | Call Sign: **KOIN** | Facility ID: **35380** | FRN: **0009961889** | State: **Oregon** | City: **PORTLAND**  
Service: **DTV** | Purpose: **Engineering STA Amendment** | Status: **Granted** | Status Date: **10/19/2018** | Expiration Date: **04/18/2019** | Filing Status: **Active**

### 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)?	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>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.	Elizabeth Ryder 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
<b>Proposed Community of License</b>	Facility ID	35380
	State	Oregon
	City	PORTLAND
	DTV Channel	25
	Designated Market Area	Portland OR
<b>Facility Type</b>	Facility Type	Commercial
	Station Type	Auxiliary
<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	1035761
<b>Coordinates (NAD83)</b>	Latitude	45° 31' 13.0" N+
	Longitude	122° 44' 41.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	280.0 meters
	Support Structure Height	247.5 meters
	Ground Elevation (AMSL)	290.9 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	241.6 meters
	Height of Radiation Center Above Average Terrain	442.9 meters
	Height of Radiation Center Above Mean Sea Level	532.5 meters
	Effective Radiated Power	36.0 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1004229
<b>Antenna Manufacturer and Model</b>	Manufacturer:	Dielectric
	Model	TFU-8WC C160
	Rotation	0 degrees
	Electrical Beam Tilt	1.05
	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	0.956	90	0.998	180	0.612	270	0.450
10	0.984	100	0.998	190	0.504	280	0.433
20	0.998	110	0.984	200	0.435	290	0.503
30	0.998	120	0.956	210	0.452	300	0.611
40	0.987	130	0.921	220	0.533	310	0.711
50	0.976	140	0.883	230	0.610	320	0.786
60	0.971	150	0.842	240	0.640	330	0.840
70	0.976	160	0.788	250	0.609	340	0.882
80	0.988	170	0.713	260	0.531	350	0.920

**Additional Azimuths**

Degree	V <sub>A</sub>
95	1.000
276	0.428
25	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>10/15/2018</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">Dielectric TFU-8WB (KOIN STA).pdf</a>	Applicant	General Information	Antenna Electrical and Mechanical Data
<a href="#">Purpose of STA Amendment.pdf</a>	Applicant	Amendment	Purpose of STA Amendment
<a href="#">Purpose of STA.pdf</a>	Applicant	General Information	Purpose of STA