



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000064422** | Submit Date: **12/28/2018** | Call Sign: **KIRO-TV** | Facility ID: **66781** | FRN: **0014361620** | State: **Washington** | City: **SEATTLE**  
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **01/08/2019** | Expiration Date: **07/07/2019**  
 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?	No
	Indicate reason for fee exemption:	
<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:	

Application Type	Fee Code	Fee Amount
Engineering STA	MGT	\$200.00
<b>Total</b>		<b>\$200.00</b>

**Applicant  
Information**

**Applicant Name, Type, and Contact Information**

Applicant	Address	Phone	Email	Applicant Type
<b>KIRO-TV, INC.</b> Doing Business As: KIRO-TV, INC.	Chief Engineer 2807 THIRD AVENUE SEATTLE, WA 98121 United States	+1 (206) 728-7777	dshaw@kiro7.com	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  
(3)**

Contact Name	Address	Phone	Email	Contact Type
<b>Christina Burrow</b> <i>Legal Representative</i> Cooley LLP	Christina Burrow 1299 Pennsylvania Avenue, NW Suite 700 Washington, DC 20004 United States	+1 (202) 776- 2687	cburrow@cooley. com	Legal Representative
<b>Don Shaw</b> <i>Chief Engineer</i> KIRO-TV, Inc.	Chief Engineer 2807 Third Avenue Seattle, WA 98121 United States	+1 (206) 728- 7777	dshaw@kirotv.com	Technical Representative
<b>S Merrill Weiss</b> <i>Technical Consultant</i> Merrill Weiss Group LLC	S Merrill Weiss 227 Central Avenue Metuchen, NJ 08840 United States	+1 (732) 494- 6400	merrill@mwgrp. com	Technical Representative

**Channel and Facility Information**

Section	Question	Response
<b>Proposed Community of License</b>	Facility ID	66781
	State	Washington
	City	SEATTLE
	DTV Channel	18
	Designated Market Area	Seattle-Tacoma
<b>Facility Type</b>	Facility Type	Commercial
	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	1056094
<b>Coordinates (NAD83)</b>	Latitude	47° 30' 16.3" N+
	Longitude	121° 58' 10.0" W-
	Structure Type	LTOWER-Lattice Tower
	Overall Structure Height	94.5 meters
	Support Structure Height	82.3 meters
	Ground Elevation (AMSL)	865.3 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	70 meters
	Height of Radiation Center Above Average Terrain	70 meters
	Height of Radiation Center Above Mean Sea Level	935.3 meters
	Effective Radiated Power	1.7 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1004489
<b>Antenna Manufacturer and Model</b>	Manufacturer:	ERI
	Model	AL4P-18-H
	Rotation	0 degrees
	Electrical Beam Tilt	2.0
	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	0.729	90	0.919	180	0.305	270	0.919
10	0.739	100	0.833	190	0.289	280	0.974
20	0.778	110	0.717	200	0.259	290	1.000
30	0.836	120	0.585	210	0.259	300	0.993
40	0.899	130	0.446	220	0.326	310	0.955
50	0.955	140	0.326	230	0.446	320	0.899
60	0.993	150	0.259	240	0.585	330	0.836
70	1.000	160	0.259	250	0.717	340	0.778
80	0.974	170	0.289	260	0.833	350	0.739

**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>Greg Bilte</b>  <i>Vice President and General Manager</i></p> <p>12/28/2018</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#"><u>KIRO-TV Digital Replacement TX STA-December 2018.pdf</u></a>	Applicant	General Information	Explanation regarding STA request for digital replacement translator