



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000079080** | Submit Date: **07/30/2019** | Call Sign: **KIRO-TV** | Facility ID: **66781** | FRN: **0014361620** | State: **Washington** | City: **SEATTLE**
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **08/06/2019** | Expiration Date: **01/17/2020**
 Filing Status: **Active**

General Information

Section	Question	Response
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Fees, Waivers, and Exemptions

Section	Question	Response
Fees	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
Waivers	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
Total		\$200.00

**Applicant
Information**

Applicant Name, Type, and Contact Information

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

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
Christina Burrow <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
Don Shaw <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
S Merrill Weiss <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
Proposed Community of License	Facility ID	66781
	State	Washington
	City	SEATTLE
	DTV Channel	39
	Designated Market Area	Seattle-Tacoma
Facility Type	Facility Type	Commercial
	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	1011408
Coordinates (NAD83)	Latitude	47° 37' 58.9" N+
	Longitude	122° 21' 23.9" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	185.3 meters
	Support Structure Height	161.5 meters
	Ground Elevation (AMSL)	121.9 meters
Antenna Data	Height of Radiation Center Above Ground Level	145.69 meters
	Height of Radiation Center Above Average Terrain	219 meters
	Height of Radiation Center Above Mean Sea Level	267.59 meters
	Effective Radiated Power	490 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	87331
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TFU-32DSC C164
	Rotation	0 degrees
	Electrical Beam Tilt	0.5
	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	0.917	90	0.947	180	0.917	270	0.304
10	0.973	100	0.948	190	0.828	280	0.292
20	0.997	110	0.951	200	0.709	290	0.268
30	0.998	120	0.958	210	0.571	300	0.264
40	0.986	130	0.971	220	0.433	310	0.32
50	0.971	140	0.986	230	0.32	320	0.433
60	0.958	150	0.998	240	0.264	330	0.571
70	0.951	160	0.997	250	0.268	340	0.709
80	0.948	170	0.973	260	0.292	350	0.828

Additional Azimuths

Degree	V _A
45	0.978
25	1
225	0.371
155	1
135	0.978

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>Greg Bilte <i>Vice President and General Manager</i></p> <p>07/30/2019</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>KIRO Application for Engineering STA for Interim Operation at Reduced Parameters v6.pdf</u>	Applicant	General Information	KIRO Operation at Reduced Parameters During Spectrum Repack