



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000081708** | Submit Date: **09/19/2019** | Call Sign: **KING-TV** | Facility ID: **34847** | FRN: **0001582782** | State: **Washington** | City: **SEATTLE**

Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **09/24/2019** | Expiration Date:

Filing Status: **InActive**

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?	Yes
	Indicate reason for fee exemption:	Section 1.1116(a)/Incentive Auction Filing Requirement
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

Applicant	Address	Phone	Email	Applicant Type
<b>KING BROADCASTING COMPANY</b> <b>Applicant</b> Doing Business As: KING BROADCASTING COMPANY	Denise Branson, Sr. Paralegal TEGNA, INC. 8350 Broad Street, Suite 2000 Tysons, VA 22102 United States	+1 (703) 873-6606	dbranson@TEGNA.com	Other

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
Esq Michael Beder Beder , Esq . TEGNA Inc.	8350 Broad Street, Suite 2000 Tysons, VA 22102 United States	+1 (703) 873- 6902	mbeder@TEGNA.com	Legal Representative
Jr William T. Godfrey T. Godfrey , Jr . 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

Channel and  
Facility  
Information

Section	Question	Response
Proposed Community of License	Facility ID	34847
	State	Washington
	City	SEATTLE
	DTV Channel	48
	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	1032128
Coordinates (NAD83)	Latitude	47° 37' 54.0" N+
	Longitude	122° 21' 03.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	173.7 meters
	Support Structure Height	133.7 meters
	Ground Elevation (AMSL)	131.2 meters
Antenna Data	Height of Radiation Center Above Ground Level	112.2 meters
	Height of Radiation Center Above Average Terrain	203.8 meters
	Height of Radiation Center Above Mean Sea Level	243.4 meters
	Effective Radiated Power	1000 kW

Antenna  
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1005569
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TUA-P4-8/20H-1-R SM
	Rotation	0 degrees
	Electrical Beam Tilt	1.00
	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	1.000	90	0.346	180	1.000	270	0.346
10	0.950	100	0.328	190	0.950	280	0.328
20	0.816	110	0.323	200	0.816	290	0.323
30	0.596	120	0.341	210	0.596	300	0.341
40	0.427	130	0.374	220	0.427	310	0.374
50	0.365	140	0.422	230	0.365	320	0.422
60	0.348	150	0.607	240	0.348	330	0.607
70	0.327	160	0.820	250	0.327	340	0.820
80	0.328	170	0.948	260	0.328	350	0.948

Additional Azimuths

Degree	V <sub>A</sub>
72	0.324
284	0.317
252	0.324
104	0.317

## Certification

Section	Question	Response
<b>General Certification Statements</b>	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.).	
	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.	
<b>Authorized Party to Sign</b>	<b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b> 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. 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).	
	I certify that this application includes all required and relevant attachments.	Yes
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	<b>Akin S. Harrison Esq S. Harrison , Esq .</b> <i>Secretary</i>  09/19/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">C-71142-4 (KING EZ-Prop).pdf</a>	Applicant	General Information	Dielectric Antenna Electrical & Mechanical Data
<a href="#">Purpose of STA (D48).pdf</a>	Applicant	General Information	Purpose of Engineering STA