



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000073945 | Submit Date: 05/31/2019 | Call Sign: KNVA | Facility ID: 144 | FRN: 0006564959 | State: Texas | City: AUSTIN

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 06/07/2019 | 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
54 BROADCASTING, INC. Applicant Doing Business As: 54 BROADCASTING, INC.	Thomas J. Vaughan 901 W. MARTIN LUTHER KING BOULEVARD AUSTIN, TX 78701 United States	+1 (512) 478-5400	glenn. richards@pillsburylaw. 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
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
Esq Glenn S. Richards S. Richards , Esq . PILLSBURY WINTHROP SHAW PITTMAN LLP	Glenn S. Richards 1200 SEVENTEENTH STREET, NW WASHINGTON, DC 20036 United States	+1 (202) 663-8215	glenn.richards@pillsburylaw.com	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	144
	State	Texas
	City	AUSTIN
	DTV Channel	49
	Designated Market Area	Austin
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	3

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1050398
Coordinates (NAD83)	Latitude	30° 19' 34.0" N+
	Longitude	097° 47' 59.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	365.0 meters
	Support Structure Height	329.0 meters
	Ground Elevation (AMSL)	259.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	246.3 meters
	Height of Radiation Center Above Average Terrain	286.6 meters
	Height of Radiation Center Above Mean Sea Level	505.3 meters
	Effective Radiated Power	184 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1005071
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TFU-8WB C160
	Rotation	140 degrees
	Electrical Beam Tilt	1.05
	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	0.777	180	0.538	270	0.772
10	0.976	100	0.752	190	0.472	280	0.830
20	0.929	110	0.734	200	0.300	290	0.904
30	0.906	120	0.675	210	0.174	300	0.954
40	0.925	130	0.543	220	0.340	310	0.958
50	0.955	140	0.341	230	0.541	320	0.929
60	0.952	150	0.169	240	0.673	330	0.910
70	0.904	160	0.296	250	0.731	340	0.933
80	0.834	170	0.470	260	0.748	350	0.978

Additional Azimuths

Degree	V _A
209	0.173
151	0.168

Certification

Section	Question	Response
General Certification Statements	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.	
Authorized Party to Sign	FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID 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.	Thomas J. Vaughan J. Vaughan <i>President</i> 05/31/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>Purpose of KNVA-D49 STA.pdf</u>	Applicant	General Information	Purpose of Engineering STA