



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000191723** | Submit Date: **05/26/2022** | Call Sign: **KZJL** | Facility ID: **69531** | FRN: **0016264616** | State: **Texas** | City: **HOUSTON**

Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **06/27/2022** | Expiration Date: **12/26/2022** | 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	MPV	\$270.00
Total		\$270.00

**Applicant
Information**

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Estrella Television License of Houston LLC	1845 Empire Avenue Burbank, CA 91504 United States	+1 (818) 729-5300	jburgett@wiley.law	Limited Liability Company

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
Joseph M. Davis , P.E. . <i>Consulting Engineer</i> Chesapeake RF Consultants, LLC	207 Old Dominion Road Yorktown, VA 23692 United States	+1 (703) 650- 9600	Joseph.Davis@RF- consultants.com	Technical Representative
Kathleen Kirby Wiley Rein LLP	Kathleen Kirby 2050 M Street, NW Washington, DC 20036 United States	+1 (202) 719- 3360	KKirby@wiley.law	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	69531
	State	Texas
	City	HOUSTON
	DTV Channel	21
	Designated Market Area	Houston
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	1059622
Coordinates (NAD83)	Latitude	29° 33' 45.2" N+
	Longitude	095° 30' 35.9" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	601.7 meters
	Support Structure Height	562.1 meters
	Ground Elevation (AMSL)	22.6 meters
Antenna Data	Height of Radiation Center Above Ground Level	486.2 meters
	Height of Radiation Center Above Average Terrain	489.3 meters
	Height of Radiation Center Above Mean Sea Level	508.8 meters
	Effective Radiated Power	100 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1009614
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TFU-24WB-R C160
	Rotation	40 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	0.856	90	0.902	180	0.708	270	0.896
10	0.870	100	0.858	190	0.668	280	0.929
20	0.905	110	0.788	200	0.564	290	0.961
30	0.949	120	0.681	210	0.459	300	0.986
40	0.985	130	0.550	220	0.449	310	0.995
50	1.000	140	0.447	230	0.549	320	0.981
60	0.992	150	0.456	240	0.680	330	0.947
70	0.967	160	0.561	250	0.785	340	0.904
80	0.936	170	0.666	260	0.853	350	0.869

Additional Azimuths

Degree	V _A
51	1.000
309	0.995

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.	Brian Kei <i>Manager</i> 05/26/2022

Attachments

File Name	Uploaded By	Attachment Type	Description
KZJL STA request ENG 05-26-2022.pdf	Applicant	All Purpose	KZJL STA engineering exhibits