



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000116318 | Submit Date: 06/18/2020 | Call Sign: KTTU | Facility ID: 11908 | FRN: 0028701001 | State: Arizona | City: TUCSON

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 06/25/2020 | Expiration Date:

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
KTTU-TV, INC. Applicant Doing Business As: KTTU-TV, INC.	Denise A. 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
(1)

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

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	11908
	State	Arizona
	City	TUCSON
	DTV Channel	19
	Designated Market Area	Tucson (Sierra Vista)
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	1007178
Coordinates (NAD83)	Latitude	32° 24' 56.0" N+
	Longitude	110° 42' 52.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	61.5 meters
	Support Structure Height	45.7 meters
	Ground Elevation (AMSL)	2606.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	53 meters
	Height of Radiation Center Above Average Terrain	1123 meters
	Height of Radiation Center Above Mean Sea Level	2659.0 meters
	Effective Radiated Power	1 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	59934
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TUA-C3-12/36H-1-R
	Rotation	0 degrees
	Electrical Beam Tilt	1.2
	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	0.105	90	0.985	180	1	270	0.976
10	0.119	100	0.953	190	0.92	280	0.925
20	0.166	110	0.861	200	0.756	290	0.841
30	0.189	120	0.859	210	0.733	300	0.714
40	0.329	130	0.917	220	0.86	310	0.53
50	0.54	140	0.843	230	0.876	320	0.313
60	0.71	150	0.691	240	0.813	330	0.198
70	0.871	160	0.757	250	0.851	340	0.183
80	0.954	170	0.947	260	0.953	350	0.125

Additional Azimuths

Degree	V _A
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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.	Akin S. Harrison Esq. S. Harrison , Esq. . <i>Secretary</i> 06/18/2020

Attachments

File Name	Uploaded By	Attachment Type	Description
KTTU STA Request.pdf	Applicant	General Information	Reduced Power STA Request