



(REFERENCE COPY - Not for submission)

Amendment to a DTV Engineering STA Application

File Number: **0000177420** | Submit Date: **12/22/2021** | Call Sign: **WOAI-TV** | Facility ID: **69618** | FRN: **0021925763** | State: **Texas** | City: **SAN ANTONIO**

Service: **DTV** | Purpose: **Engineering STA Amendment** | Status: **Granted** | Status Date: **01/05/2022** | Expiration Date: **06/20/2022** | 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?	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:	

Applicant
Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WOAI LICENSEE, LLC Doing Business As: WOAI LICENSEE, LLC	Harvey Arnold 10706 Beaver Dam Road Cockeysville, MD 20036 United States	+1 (410) 568- 1500	FCCContacts@sbgvt. com	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
Paul A. Cicelski <i>Legal Representative</i> Lerman Senter PLLC	Paul Cicelski 2021 L Street, NW Suite 400 Washington , DC 20036 United States	+1 (202) 429- 8970	pcicelski@lermansenter. com	Legal Representative
John E. Hidle , PE . <i>Consulting Engineer</i> Carl T. Jones corporation	John E. Hidle, PE 7901 Yarnwood Court Springfield, VA 22153- 2827 United States	+1 (703) 569- 7704	jhidle@ctjc.com	Technical Representative

Channel and
Facility
Information

Section	Question	Response
Proposed Community of License	Facility ID	69618
	State	Texas
	City	SAN ANTONIO
	DTV Channel	28
	Designated Market Area	San Antonio
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	1226610
Coordinates (NAD83)	Latitude	29° 16' 11.5" N+
	Longitude	098° 15' 55.9" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	466.3 meters
	Support Structure Height	465.3 meters
	Ground Elevation (AMSL)	158.2 meters
Antenna Data	Height of Radiation Center Above Ground Level	330.9 meters
	Height of Radiation Center Above Average Terrain	328.9 meters
	Height of Radiation Center Above Mean Sea Level	489.1 meters
	Effective Radiated Power	345 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1009064
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TFU-16WB/VP-R C160
	Rotation	0 degrees
	Electrical Beam Tilt	0.55
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
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	.898	90	.662	180	.375	270	.997
10	.957	100	.521	190	.389	280	.993
20	.993	110	.392	200	.519	290	.956
30	.998	120	.377	210	.661	300	.897
40	.973	130	.486	220	.768	310	.835
50	.932	140	.600	230	.838	320	.790
60	.888	150	.645	240	.888	330	.774
70	.838	160	.600	250	.932	340	.791
80	.768	170	.485	260	.972	350	.836

Additional Azimuths

Degree	V _A
26	1.00
184	.361
116	.364

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.	Lucy Rutishauser <i>CFO</i> 12/22/2021

Attachments

File Name	Uploaded By	Attachment Type	Description
WOAI Reduced Power STA Application.pdf	Applicant	All Purpose	
WOAI STA Amendment Exhibit .pdf	Applicant	General Information	Reason for Amendment
WOAI-TV - Ch 28 - Request for STA Technical Statement - 12-21-2021 -B2 .pdf	Applicant	Amendment	WOAI-TV - Request for STA to operate at reduced power pending repairs to main facility.
WOAI-TV STA CH 28 Antenna Exhibits for TFU-16WB-VP-R C160.pdf	Applicant	General Information	WOAI-TV - Antenna Exhibits for STA Request - model TFU-16WB/VP-R C160.
WOAI-TV STA Exhibit1 Coverage Map - 12-21-2021 .pdf	Applicant	General Information	WOAI-TV - STA Request Exhibit 1 Coverage Map Predicted Contours