



(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
<b>Fees</b>	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
<b>Waivers</b>	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>WOAI LICENSEE, LLC</b> Doing Business As: WOAI LICENSEE, LLC	Harvey Arnold 10706 Beaver Dam Road Cockeysville, MD 20036 United States	+1 (410) 568- 1500	FCCContacts@sbgv. com	Limited Liability Company

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**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
<b>Paul A. Cicelski</b> <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@lrmansenter. com	Legal Representative
<b>John E. Hidle , PE .</b> <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
<b>Proposed Community of License</b>	Facility ID	69618
	State	Texas
	City	SAN ANTONIO
	DTV Channel	28
	Designated Market Area	San Antonio
<b>Facility Type</b>	Facility Type	Commercial
	Station Type	Main
<b>Zone</b>	Zone	3

**Primary station proposed to be rebroadcast:**

Facility Id	Call Sign	City	State
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**Antenna Location  
Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1226610
<b>Coordinates (NAD83)</b>	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
<b>Antenna Data</b>	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
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1009064
<b>Antenna Manufacturer and Model</b>	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
<b>DTV and DTS: Elevation Pattern</b>	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 <sub>A</sub>
26	1.00
184	.361
116	.364

**Certification**

Section	Question	Response
<p><b>General Certification Statements</b></p>	<p>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.).</p>	
	<p>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.</p>	
<p><b>Authorized Party to Sign</b></p>	<p><b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b></p> <p>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.</p> <p>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).</p>	
	<p>I certify that this application includes all required and relevant attachments.</p>	<p>Yes</p>
	<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Lucy Rutishauser</b> <i>CFO</i></p> <p>12/22/2021</p>

## Attachments

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