



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000074718** | Submit Date: **06/13/2019** | Call Sign: **WWTO-TV** | Facility ID: **998** | FRN: **0004346060** | State: **Illinois** | City: **NAPERVILLE**  
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **06/18/2019** | Expiration Date: **12/18/2019**  
 Filing Status: **Active**

**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:	

Application Type	Fee Code	Fee Amount
Engineering STA	MGT	\$200.00
<b>Total</b>		<b>\$200.00</b>

**Applicant Information**

**Applicant Name, Type, and Contact Information**

<b>Applicant</b>	<b>Address</b>	<b>Phone</b>	<b>Email</b>	<b>Applicant Type</b>
<b>TRINITY BROADCASTING OF TEXAS, INC.</b> Doing Business As: Trinity Broadcasting Network	COLBY M. MAY, ESQ. 13600 Heritage Parkway Suite 200 Fort Worth, TX 76177 United States	+1 (855) 826-2255	CMMAY@MAYLAWOFFICES.COM	Not-for-Profit

**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>Kevin T. Fisher</b> <i>Broadcast Consultant</i> Smith & Fisher	4791 Wintergreen Court Woodbridge, VA 22192 United States	+1 (703) 505- 1751	Kevin@smithandfisher. com	Technical Representative
<b>Coby M. May , Esq. .</b> <i>Attorney</i> Colby M. May, Esq., P. C.	P. O. Box 15473 Washington, DC 20003 United States	+1 (202) 544- 5171	cmmay@maylawoffices. com	Legal Representative

**Channel and Facility Information**

Section	Question	Response
<b>Proposed Community of License</b>	Facility ID	998
	State	Illinois
	City	NAPERVILLE
	DTV Channel	35
	Designated Market Area	Chicago
<b>Facility Type</b>	Facility Type	Commercial
	Station Type	Main
<b>Zone</b>	Zone	1

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1029952
<b>Coordinates (NAD83)</b>	Latitude	41° 50' 18.3" N+
	Longitude	088° 04' 48.9" W-
	Structure Type	LTOWER-Lattice Tower
	Overall Structure Height	91.5 meters
	Support Structure Height	91.5 meters
	Ground Elevation (AMSL)	228.6 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	78.8 meters
	Height of Radiation Center Above Average Terrain	415 meters
	Height of Radiation Center Above Mean Sea Level	307.4 meters
	Effective Radiated Power	15 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	111434
<b>Antenna Manufacturer and Model</b>	Manufacturer:	DIE
	Model	TUA-C3-4/12L
	Rotation	180 degrees
	Electrical Beam Tilt	0.25
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
<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	0.969	90	0.999	180	0.056	270	0.978
10	0.96	100	0.977	190	0.05	280	0.942
20	0.786	110	0.865	200	0.073	290	0.756
30	0.707	120	0.71	210	0.204	300	0.686
40	0.854	130	0.545	220	0.377	310	0.849
50	0.82	140	0.371	230	0.54	320	0.828
60	0.652	150	0.189	240	0.704	330	0.672
70	0.752	160	0.087	250	0.853	340	0.77
80	0.946	170	0.062	260	0.954	350	0.94

**Additional Azimuths**

Degree	V <sub>A</sub>
93	1
44	0.876
314	0.876

**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>John B. Casoria , Esq. .</b>  <i>Assistant Secretary</i></p> <p>06/13/2019</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<u>0000074718 WWTO Reduce Power.doc</u>	Internal	All Purpose	Processed STA Letter
<u>20190613 -- Status of Operation (Request for STA) -- WWTO, Napierville, Illinois.docx</u>	Applicant	General Information	