



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000059403** | Submit Date: **09/04/2018** | Call Sign: **WCCT-TV** | Facility ID: **14050** | FRN: **0028358455**
 State: **Connecticut** | City: **WATERBURY**
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **09/07/2018** | Expiration Date: **03/06/2019**
 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:	

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
TRIBUNE BROADCASTING HARTFORD, LLC Doing Business As: TRIBUNE BROADCASTING HARTFORD, LLC	Dean Maluski 285 BROAD STREET HARTFORD, CT 06115 United States	+1 (860) 527-6161	dmaluski@tribunemedia.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
(3)**

Contact Name	Address	Phone	Email	Contact Type
Dean Maluski <i>Director Engineering</i> TRIBUNE BROADCASTING HARTFORD, LLC	Dean Maluski 285 BROAD STREET HARTFORD, CT 06115 United States	+1 (860) 723- 2111	dmaluski@tribunemedia. com	Technical Representative
William Jeffrey Reynolds <i>Technical Consultant</i> duTreil Lundin & Rackley Inc	3135 Southgate Circle Sarasota, FL 34239 United States	+1 (941) 329- 6013	JEFF@DLR.COM	Technical Consultant
Jason Roberts <i>Senior Counsel</i> Tribune Media Company	Jason Roberts 303 E. Wacker Drive Suite 1700 Chicago, IL 60601 United States	+1 (312) 222- 3894	jroberts@tribunemedia. com	Legal Representative

Channel and Facility Information

Section	Question	Response
Facility ID	14050	
State	Connecticut	
City	WATERBURY	
DTV Channel	20	
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	1

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1041624
Coordinates (NAD83)	Latitude	41° 42' 13.0" N+
	Longitude	072° 49' 55.0" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	408.1 meters
	Support Structure Height	393.8 meters
	Ground Elevation (AMSL)	216.4 meters
Antenna Data	Height of Radiation Center Above Ground Level	339 meters
	Height of Radiation Center Above Average Terrain	456 meters
	Height of Radiation Center Above Mean Sea Level	555.4 meters
	Effective Radiated Power	89 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1004083
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TLP-16WB-R C160
	Rotation	0 degrees
	Electrical Beam Tilt	0.55
	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	0.957	90	0.988	180	0.355	270	0.531
10	0.918	100	0.99	190	0.253	280	0.669
20	0.905	110	0.955	200	0.37	290	0.751
30	0.917	120	0.9	210	0.521	300	0.798
40	0.926	130	0.848	220	0.582	310	0.842
50	0.917	140	0.807	230	0.521	320	0.899
60	0.904	150	0.761	240	0.37	330	0.96
70	0.916	160	0.677	250	0.251	340	0.996
80	0.953	170	0.536	260	0.351	350	0.993

Additional Azimuths

Degree	V _A
345	1.0

Certification

Section	Question	Response
<p>General Certification Statements</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>Authorized Party to Sign</p>	<p>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</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>Jon Hitchcock <i>Vice President/General Manager</i></p> <p>09/04/2018</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WCCT-TV STA Coverage Map.pdf</u>	Applicant	General Information	STA PREDICTED COVERAGE CONTOURS
<u>WCCT-TV STA Technical Summary.pdf</u>	Applicant	All Purpose	TECHNICAL SUMMARY