



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000019302** | Submit Date: **12/23/2016** | Call Sign: **WEDN** | Facility ID: **13607** | FRN: **0003574662** | State: **Connecticut** | City: **NORWICH**
Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **01/10/2017** | Expiration Date: **07/10/2017**
Filing Status: **Active**

General Information

Section	Question	Response
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Fees, Waivers, and Exemptions

Section	Question	Response
Waivers	Does this filing request a waiver of the Commission's rule(s)?	Yes
	Total number of rule sections involved in this waiver request:	1

**Applicant
Information**

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
CONNECTICUT PUBLIC BROADCASTING, INC. Doing Business As: CONNECTICUT PUBLIC BROADCASTING, INC.	1049 ASYLUM AVENUE HARTFORD, CT 06105 United States	+1 (860) 275- 7314	jzareski@cptv. org	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
LOUIS R DUTREIL , JR . <i>CONSULTING ENGINEER</i> DUTREIL LUNDIN & RACKLEY INC	201 FLETCHER AVENUE SARASOTA, FL 34237 United States	+1 (941) 329- 6004	BOBJR@DLR.COM	Technical Representative
STEVEN C. SCHAFFER , ESQ . SCHWARTZ, WOODS & MILLER	2001 L STREET, NW SUITE 900A WASHINGTON, DC 20036 United States	+1 (202) 833- 1700	SCHAFFER@SWMLAW. COM	Legal Representative

**Channel and
Facility
Information**

Section	Question	Response
Proposed Community of License	Facility ID	13607
	State	Connecticut
	City	NORWICH
	DTV Channel	9
	Designated Market Area	HARTFORD & NEW HAVEN
Facility Type	Facility Type	Noncommercial Educational
	Station Type	Main
Zone	Zone	1

Primary station proposed to be rebroadcast:

Facility Id	Call Sign	City	State
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Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1035286
Coordinates (NAD83)	Latitude	41° 31' 14.0" N+
	Longitude	072° 10' 01.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	145.3 meters
	Support Structure Height	137.1 meters
	Ground Elevation (AMSL)	155.4 meters
Antenna Data	Height of Radiation Center Above Ground Level	129 meters
	Height of Radiation Center Above Average Terrain	192 meters
	Height of Radiation Center Above Mean Sea Level	284.4 meters
	Effective Radiated Power	4.2 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	91371
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TLS-V4
	Rotation	0 degrees
	Electrical Beam Tilt	Not Applicable
	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	0.914	90	0.876	180	0.586	270	0.579
10	0.951	100	0.826	190	0.607	280	0.57
20	0.975	110	0.771	200	0.627	290	0.579
30	0.993	120	0.714	210	0.64	300	0.61
40	1	130	0.661	220	0.645	310	0.65
50	0.996	140	0.615	230	0.641	320	0.699
60	0.981	150	0.583	240	0.631	330	0.759
70	0.955	160	0.569	250	0.613	340	0.817
80	0.92	170	0.571	260	0.592	350	0.869

Additional Azimuths

Degree	V _A
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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>Jerry Franklin <i>President & CEO</i></p> <p>12/23/2016</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WEDN Technical STA Exhibit.pdf</u>	Applicant	General Information	Reduced Power Notification
<u>WEDN Technical STA Exhibit.pdf</u>	Applicant	Fees, Waivers and Exemptions	Waiver request.