



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **BDSTA-20101129ANV** | Submit Date: **11/29/2010** | Call Sign: **WMVS** | Facility ID: **42663** | FRN:
0002687499 | State: **Wisconsin** | City: **MILWAUKEE**
Service: **DTV** | Purpose: **Engineering STA** | Status: **Pending** | Status Date: **01/01/1900** | 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)?	
	Total number of rule sections involved in this waiver request:	

**Applicant
Information**

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
MILWAUKEE AREA TECHNICAL COLLEGE DISTRICT BOARD Applicant Doing Business As: MILWAUKEE AREA TECHNICAL COLLEGE DISTRICT BOARD	1036 NORTH 8TH STREET MILWAUKEE, WI 53233 United States	+1 (414) 297-7575	FELLANDD@MATC. EDU	Other

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
GREGORY L. BEST <i>CONSULTING ENGINEER</i>	9223 N. MANNING AVENUE KANSAS CITY, MO 64157 United States	+1 (816) 792-2913	GBCONSULTING@KC. RR.COM	Technical Representative
DAVID FELLAND MILWAUKEE AREA TECHNICAL COLLEGE DISTRICT BOARD	1036 NORTH 8TH STREET MILWAUKEE, WI 53233 United States	+1 (414) 297-7575	FELLANDD@MATC. EDU	Legal Representative

Channel and Facility Information

Section	Question	Response
Facility ID	42663	
State	Wisconsin	
City	MILWAUKEE	
DTV Channel	8	
Facility Type	Facility Type	Noncommercial Educational
	Station Type	
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	1057482
Coordinates (NAD83)	Latitude	43° 05' 46.2" N+
	Longitude	087° 54' 15.0" W-
	Structure Type	
	Overall Structure Height	369.7 meters
	Support Structure Height	
	Ground Elevation (AMSL)	191.4 meters
Antenna Data	Height of Radiation Center Above Ground Level	362.1 meters
	Height of Radiation Center Above Average Terrain	353.8 meters
	Height of Radiation Center Above Mean Sea Level	553.5 meters
	Effective Radiated Power	69 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	103121
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	ATW8V6-CTCX
	Rotation	0 degrees
	Electrical Beam Tilt	1.5
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Circular
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	0.844	90	0.24	180	0.964	270	0.887
10	0.769	100	0.251	190	0.994	280	0.883
20	0.674	110	0.29	200	0.999	290	0.884
30	0.566	120	0.365	210	0.987	300	0.89
40	0.459	130	0.47	220	0.964	310	0.9
50	0.365	140	0.59	230	0.941	320	0.913
60	0.298	150	0.71	240	0.92	330	0.922
70	0.26	160	0.819	250	0.905	340	0.917
80	0.244	170	0.905	260	0.894	350	0.893

Additional Azimuths

Degree	V _A
197	1

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>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>ELLIS BROMBERG</p> <p>11/29/2010</p>

Attachments

Information not provided.