



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **BDSTA-20130521AEX** | Submit Date: **05/21/2013** | Call Sign: **KBVU** | Facility ID: **58618** | FRN:
0027171727 | State: **California** | City: **EUREKA**
Service: **DTV** | Purpose: **Engineering STA** | Status: **Pending** | Status Date: **05/22/2013** | 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)?	
	Total number of rule sections involved in this waiver request:	

Applicant
Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
ESTEEM BROADCASTING OF CALIFORNIA LLC Applicant Doing Business As: ESTEEM BROADCASTING OF CALIFORNIA LLC	13865 EAST ELLIOTT DRIVE MARSHALL, IL 62441 United States	+1 (217) 826-6095		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
JOSEPH M. DAVIS, P. E. CONSULTING ENGINEER	CHESAPEAKE RF CONSULTANTS, LLC 207 OLD DOMINION ROAD YORKTOWN, VA 23692 United States	+1 (703) 650-9600	JOSEPH.DAVIS@RF- CONSULTANTS.COM	Technical Representative
HOWARD M. LIBERMAN DRINKER BIDDLE & REATH LLP	1500 K STREET, N.W. SUITE 1100 WASHINGTON, DC 20005 United States	+1 (202) 842-8876	HOWARD.LIBERMAN@DBR. COM	Legal Representative

Channel and Facility Information

Section	Question	Response
Facility ID	58618	
State	California	
City	EUREKA	
DTV Channel	28	
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	2

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1224088
Coordinates (NAD83)	Latitude	40° 43' 38.3" N+
	Longitude	123° 58' 21.1" W-
	Structure Type	
	Overall Structure Height	122 meters
	Support Structure Height	
	Ground Elevation (AMSL)	808 meters
Antenna Data	Height of Radiation Center Above Ground Level	100 meters
	Height of Radiation Center Above Average Terrain	512 meters
	Height of Radiation Center Above Mean Sea Level	908 meters
	Effective Radiated Power	50 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	113753
Antenna Manufacturer and Model	Manufacturer:	JAM
	Model	JSM-GB-8/CP
	Rotation	0 degrees
	Electrical Beam Tilt	1.5
	Mechanical Beam Tilt	1.3
	toward azimuth	295
	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	0.953	90	0.191	180	0.452	270	0.36
10	1	100	0.203	190	0.622	280	0.36
20	0.909	110	0.215	200	0.761	290	0.347
30	0.765	120	0.215	210	0.906	300	0.347
40	0.623	130	0.203	220	0.997	310	0.36
50	0.453	140	0.191	230	0.954	320	0.358
60	0.329	150	0.193	240	0.848	330	0.408
70	0.24	160	0.24	250	0.619	340	0.612
80	0.193	170	0.329	260	0.412	350	0.84

Additional Azimuths

Degree	V _A
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Certification

Section	Question	Response
General Certification Statements	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.).	
	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.	
Authorized Party to Sign	FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID 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. 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).	
	I certify that this application includes all required and relevant attachments.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	DAVID L. BAILEY 05/21/2013

Attachments

File Name	Uploaded By	Attachment Type	Description
1555716_1109332.txt	Applicant	All Purpose	EXHIBIT 21