



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000016013** | Submit Date: **10/12/2016** | Call Sign: **KBCA** | Facility ID: **16940** | FRN: **0014881114** | State: **Louisiana** | City: **ALEXANDRIA**

Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **10/18/2016** | Expiration Date:

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	\$190.00
Total		\$190.00

Applicant
Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WILDERNESS COMMUNICATIONS, LLC Applicant Doing Business As: WILDERNESS COMMUNICATIONS, LLC	3501 NORTHWEST EVANGELINE THRUWAY CARENCRO, LA 70520 United States	+1 (337) 896-1600	eddie@delta- network.com	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
P.E. Joseph M. Davis M. Davis , P.E. . Chesapeake RF Consultants, LLC	207 Old Dominion Road Yorktown, VA 23692 United States	+1 (703) 650- 9600	Joseph.Davis@RF- consultants.com	Technical Representative
ESQ KATHLEEN VICTORY VICTORY , ESQ . Fletcher, Heald & Hildreth, PLC	1300 N. 17TH STREET 11TH FLOOR ARLINGTON, VA 22209 United States	+1 (703) 812- 0400	VICTORY@FHHLAW. COM	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	16940
	State	Louisiana
	City	ALEXANDRIA
	DTV Channel	41
	Designated Market Area	Alexandria LA
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	3

Antenna Location
Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1231316
Coordinates (NAD83)	Latitude	30° 54' 17.4" N+
	Longitude	092° 37' 28.9" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	304.8 meters
	Support Structure Height	303.8 meters
	Ground Elevation (AMSL)	43.3 meters
Antenna Data	Height of Radiation Center Above Ground Level	297.2 meters
	Height of Radiation Center Above Average Terrain	302.7 meters
	Height of Radiation Center Above Mean Sea Level	340.5 meters
	Effective Radiated Power	26.6 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	89179
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	ATW30H3-HTC4-41H
	Rotation	0 degrees
	Electrical Beam Tilt	0.75
	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	0.956	90	0.667	180	0.262	270	0.413
10	0.989	100	0.612	190	0.306	280	0.489
20	1	110	0.554	200	0.322	290	0.554
30	0.989	120	0.489	210	0.306	300	0.612
40	0.956	130	0.413	220	0.262	310	0.667
50	0.907	140	0.328	230	0.214	320	0.723
60	0.848	150	0.247	240	0.2	330	0.785
70	0.785	160	0.2	250	0.247	340	0.848
80	0.723	170	0.214	260	0.328	350	0.907

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.	Yes
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	Charles H. Chatelain H. Chatelain <i>Co-Manager</i> 10/12/2016

Attachments

File Name	Uploaded By	Attachment Type	Description
KBCA STA reduced power ENG 10-10-2016.pdf	Applicant	General Information	KBCA STA Engineering Exhibit