



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000069896** | Submit Date: **04/08/2019** | Call Sign: **KBCA** | Facility ID: **16940** | FRN: **0014881114** | State: **Louisiana** | City: **ALEXANDRIA**

Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **04/19/2019** | 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	\$200.00
Total		\$200.00

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 SUITE 1100 ARLINGTON, VA 22209 United States	+1 (703) 812- 0473	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	26
	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	243.8 meters
	Height of Radiation Center Above Average Terrain	248.8 meters
	Height of Radiation Center Above Mean Sea Level	287.1 meters
	Effective Radiated Power	14.2 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1004812
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TFU-8WB S-230 H
	Rotation	20 degrees
	Electrical Beam Tilt	1.05
	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	1.000	90	0.658	180	0.470	270	0.657
10	0.994	100	0.562	190	0.450	280	0.728
20	0.976	110	0.452	200	0.392	290	0.790
30	0.949	120	0.339	210	0.312	300	0.839
40	0.918	130	0.253	220	0.247	310	0.879
50	0.883	140	0.244	230	0.255	320	0.914
60	0.844	150	0.309	240	0.339	330	0.946
70	0.797	160	0.390	250	0.451	340	0.974
80	0.736	170	0.449	260	0.561	350	0.993

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.	Eddie Blanchard Blanchard Member 04/08/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>69896.PDF</u>	Internal	All Purpose	
<u>KBCA STA request for interim antenna ENG 04-05-2019.pdf</u>	Applicant	All Purpose	KBCA STA engineering exhibits