



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000112513** | Submit Date: **04/22/2020** | Call Sign: **WIYC** | Facility ID: **62207** | FRN: **0001756659** | State: **Alabama** | City: **TROY**
Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **04/27/2020** | Expiration Date: **07/15/2020**
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
WOODS COMMUNICATIONS CORPORATION	David Woods 1 WCOV Avenue Montgomery, AL 36111 United States	+1 (334) 323-5581	david@wcov.com	Corporation

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. . <i>Consulting Engineer</i> Chesapeake RF Consultants, LLC	207 Old Dominion Road Yorktown, VA 23692 United States	+1 (703) 650- 9600	Joseph.Davis@RF- consultants.com	Technical Representative
AARON P SHAINIS <i>FCC Counsel</i> SHAINIS AND PELTZMAN, CHARTERED	AARON P. SHAINIS 1850 M STREET SUITE 240 WASHINGTON, DC 20036 United States	+1 (202) 293- 0567	AARON@S-PLAW.COM	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	62207
	State	Alabama
	City	TROY
	DTV Channel	19
	Designated Market Area	Montgomery-Selma
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	1210049
Coordinates (NAD83)	Latitude	32° 03' 36.5" N+
	Longitude	085° 57' 01.8" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	304.8 meters
	Support Structure Height	304.8 meters
	Ground Elevation (AMSL)	173.1 meters
Antenna Data	Height of Radiation Center Above Ground Level	276.8 meters
	Height of Radiation Center Above Average Terrain	322.3 meters
	Height of Radiation Center Above Mean Sea Level	449.9 meters
	Effective Radiated Power	132 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	1005200
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TLP-24(C)/VP
	Rotation	35 degrees
	Electrical Beam Tilt	1.0
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
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	0.547	180	0.527	270	0.590
10	0.990	100	0.474	190	0.522	280	0.671
20	0.973	110	0.414	200	0.500	290	0.748
30	0.946	120	0.378	210	0.467	300	0.818
40	0.907	130	0.378	220	0.430	310	0.877
50	0.857	140	0.408	230	0.400	320	0.924
60	0.792	150	0.449	240	0.398	330	0.958
70	0.713	160	0.487	250	0.440	340	0.980
80	0.628	170	0.515	260	0.510	350	0.994

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>David Woods <i>President</i></p> <p>04/22/2020</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>2020-04-21</u> <u>WIYC STA request for interim antenna ENG.pdf</u>	Applicant	General Information	Circumstances of Request