



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000099171** | Submit Date: **01/22/2020** | Call Sign: **WJXT** | Facility ID: **53116** | FRN: **0002161107** | State: **Florida** | City: **JACKSONVILLE**  
Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **01/28/2020** | Expiration Date: **07/23/2020**  
Filing Status: **Active**

## General Information

Section	Question	Response
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## Fees, Waivers, and Exemptions

Section	Question	Response
<b>Fees</b>	Is the applicant exempt from FCC application Fees?	Yes
	Indicate reason for fee exemption:	Section 1.1116(a)/Incentive Auction Filing Requirement
<b>Waivers</b>	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	

**Applicant  
Information**

**Applicant Name, Type, and Contact Information**

<b>Applicant</b>	<b>Address</b>	<b>Phone</b>	<b>Email</b>	<b>Applicant Type</b>
<b>GRAHAM MEDIA GROUP, FLORIDA. INC.</b> Doing Business As: GRAHAM MEDIA GROUP, FLORIDA. INC.	James Lowery 4 BROADCAST PLACE JACKSONVILLE, FL 32207 United States	+1 (904) 393- 9871	jlowery@wjxt. com	Corporation

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**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
<b>William T. Godfrey , Jr .</b> <i>Consulting Engineers</i> Kessler and Gehman Associates, Inc.	William T. Godfrey, Jr. Kessler and Gehman Associates, Inc. 507-D NW 60th Street Gainesville, FL 32607 United States	+1 (352) 332- 3157	bill@kesslerandgehman. com	Technical Representative
<b>Jennifer Johnson , Esq .</b> <i>Legal Counsel</i> COVINGTON & BURLING, LLP	One CityCenter 850 Tenth Street, NW WASHINGTON, DC 20001 United States	+1 (202) 662- 5552	jjohnson@cov.com	Legal Representative

**Channel and Facility Information**

Section	Question	Response
<b>Proposed Community of License</b>	Facility ID	53116
	State	Florida
	City	JACKSONVILLE
	DTV Channel	18
	Designated Market Area	Jacksonville
<b>Facility Type</b>	Facility Type	Commercial
	Station Type	Main
<b>Zone</b>	Zone	3

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1017604
<b>Coordinates (NAD83)</b>	Latitude	30° 16' 25.0" N+
	Longitude	081° 33' 12.0" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	303.7 meters
	Support Structure Height	268.9 meters
	Ground Elevation (AMSL)	15.2 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	198.1 meters
	Height of Radiation Center Above Average Terrain	207.5 meters
	Height of Radiation Center Above Mean Sea Level	213.3 meters
	Effective Radiated Power	1000 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006275
<b>Antenna Manufacturer and Model</b>	Manufacturer:	Dielectric
	Model	TFU-24WB/VP-R C160 SP
	Rotation	0 degrees
	Electrical Beam Tilt	0.50
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
<b>DTV and DTS: Elevation Pattern</b>	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	0.759	90	0.560	180	0.945	270	0.955
10	0.655	100	0.464	190	0.975	280	0.982
20	0.533	110	0.450	200	0.995	290	0.998
30	0.447	120	0.537	210	0.997	300	0.997
40	0.462	130	0.658	220	0.981	310	0.978
50	0.559	140	0.762	230	0.956	320	0.947
60	0.653	150	0.832	240	0.933	330	0.914
70	0.690	160	0.877	250	0.923	340	0.878
80	0.654	170	0.912	260	0.932	350	0.831

**Additional Azimuths**

Degree	V <sub>A</sub>
295	1.000
205	0.998

**Certification**

Section	Question	Response
<p><b>General Certification Statements</b></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><b>Authorized Party to Sign</b></p>	<p><b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b></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><b>James Lowery</b> <i>Chief Engineer</i></p> <p>01/22/2020</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#"><u>Engineering Technical Statement.pdf</u></a>	Applicant	General Information	Purpose of Engineering STA
<a href="#"><u>Exhibit 1 - WJXT-D18 LIC vs. WJXT-D18 Interim STA.pdf</u></a>	Applicant	General Information	Exhibit 1
<a href="#"><u>STA Exhibit (EZ-Prop).pdf</u></a>	Applicant	All Purpose	Dielectric Interim Antenna Electrical & Mechanical Data