



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000069078** | Submit Date: **04/02/2019** | Call Sign: **WNEM-TV** | Facility ID: **41221** | FRN: **0018223693**  
 State: **Michigan** | City: **BAY CITY**  
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **04/03/2019** | Expiration Date:  
 Filing Status: **InActive**

**General Information**

Section	Question	Response
---------	----------	----------

**Fees, Waivers, and Exemptions**

Section	Question	Response
<b>Fees</b>	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
<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:	

Application Type	Fee Code	Fee Amount
Engineering STA	MGT	\$200.00
<b>Total</b>		<b>\$200.00</b>

**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>MEREDITH CORPORATION Applicant</b> Doing Business As: MEREDITH CORPORATION	Joshua Pila 1716 LOCUST STREET DES MOINES, IA 50309 United States	+1 (515) 284-3000	RegAffairs@meredith.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  
(3)**

Contact Name	Address	Phone	Email	Contact Type
<b>Louis R duTreil , Jr .</b> <i>Technical Consultant</i> duTreil Lundin & Rackley Inc	3135 Southgate Circle Sarasota, FL 34239 United States	+1 (941) 329- 6004	bobjr@DLR.com	Technical Consultant
<b>Larence Oaks Oaks</b> Meredith Corporation	Larence K. Oaks 8668 Highwood lane Indianapolis, IN 46278 United States	+1 (317) 297- 5010	larry.oaks@meredith. com	Technical Representative
<b>Joshua N. Pila N. Pila</b> Meredith Corporation	425 14th Street NW Atlanta, GA 20036 United States	+1 (404) 327- 3286	RegAffairs@meredith. com	Legal Representative

**Channel and  
Facility  
Information**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>Proposed Community of License</b>	Facility ID	41221
	State	Michigan
	City	BAY CITY
	DTV Channel	22
	Designated Market Area	Flint-Saginaw-Bay City
<b>Facility Type</b>	Facility Type	Commercial
	Station Type	Main
<b>Zone</b>	Zone	1

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1006698
<b>Coordinates (NAD83)</b>	Latitude	43° 28' 14.0" N+
	Longitude	083° 50' 36.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	317.8 meters
	Support Structure Height	296.1 meters
	Ground Elevation (AMSL)	178.3 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	276.0 meters
	Height of Radiation Center Above Average Terrain	271 meters
	Height of Radiation Center Above Mean Sea Level	454.3 meters
	Effective Radiated Power	833.8 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1004793
<b>Antenna Manufacturer and Model</b>	Manufacturer:	DIE
	Model	TFU-16WB-R C160
	Rotation	0 degrees
	Electrical Beam Tilt	0.55
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
<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	.557	90	.43	180	.971	270	1
10	.461	100	.459	190	.993	280	.993
20	.432	110	.556	200	1	290	.972
30	.489	120	.663	210	.993	300	.939
40	.575	130	.752	220	.981	310	.902
50	.632	140	.815	230	.972	320	.864
60	.632	150	.862	240	.973	330	.817
70	.574	160	.901	250	.982	340	.754
80	.487	170	.939	260	.994	350	.665

**Additional Azimuths**

Degree	V <sub>A</sub>
--------	----------------

**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>Patrick McCreery</b>  <b>McCreery</b>  <i>President, Local Media Group</i></p> <p>04/02/2019</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">WNEM 22 STA Antenna Information.pdf</a>	Applicant	All Purpose	ANTENNA INFORMATION
<a href="#">WNEM 22 STA Coverage Map.pdf</a>	Applicant	All Purpose	PREDICTED COVERAGE CONTOURS
<a href="#">WNEM 22 STA RF Hazard Statement.pdf</a>	Applicant	All Purpose	RF HAZARD STATEMENT
<a href="#">WNEM 22 STA Technical Summary.pdf</a>	Applicant	General Information	TECHNICAL SUMMARY