



(REFERENCE COPY - Not for submission)

# DTV Experimental STA Application

File Number: **0000115481** | Submit Date: **06/01/2020** | Call Sign: **WFQX-TV** | Facility ID: **25396** | FRN: **0016496481**

State: **Michigan** | City: **CADILLAC**

Service: **DTV** | Purpose: **Experimental STA** | Status: **Pending** | Status Date: **06/02/2020** | 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?	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
Experimental 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>CADILLAC TELECASTING CO.</b> Doing Business As: CADILLAC TELECASTING CO.	Alexander Bolea PO Box 282 CADILLAC, MI 49601 United States	+1 (231) 775- 3478	JRNBOLEA@AOL. COM	Corporation

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**Contact  
Representatives  
(3)**

Contact Name	Address	Phone	Email	Contact Type
<b>Pete Ludviksen</b> <i>Operations Manager</i> Cadillac Telecasting Co.	Pete Ludviksen PO Box 282 Cadillac, MI 49601 United States	+1 (231) 775- 3478	PeteLudviksen@9and10news. com	Technical Representative
<b>Lawrence Charles O'Donnell</b> <i>Chief Engineer</i> Cadillac Telecasting Co.	PO Box 627 Cadillac, MI 49601 United States	+1 (231) 775- 3478	LarryODonnell@9and10news. com	Technical Representative
<b>Gregg P Skall , Esq .</b> Womble Bond Dickinson (US) LLP	Gregg P. Skall, Esq. 1200 19th Street, N.W Suite 500 Washington, DC 20036 United States	+1 (202) 857- 4441	gregg.skall@wbd-us.com	Legal Representative

**Channel and Facility Information**

Section	Question	Response
<b>Proposed Community of License</b>	Facility ID	25396
	State	Michigan
	City	CADILLAC
	DTV Channel	32
	Designated Market Area	Traverse City-Cadillac
<b>Facility Type</b>	Facility Type	Commercial
	Station Type	Main
<b>Zone</b>	Zone	2

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1002422
<b>Coordinates (NAD83)</b>	Latitude	44° 08' 12.0" N+
	Longitude	085° 20' 33.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	393.3 meters
	Support Structure Height	355.6 meters
	Ground Elevation (AMSL)	519.5 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	305 meters
	Height of Radiation Center Above Average Terrain	422 meters
	Height of Radiation Center Above Mean Sea Level	824.5 meters
	Effective Radiated Power	200 kW

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	104034
<b>Antenna Manufacturer and Model</b>	Manufacturer:	SWR
	Model	SWEDM24OI/32
	Rotation	335 degrees
	Electrical Beam Tilt	1
	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	1	90	0.628	180	0.617	270	0.639
10	0.994	100	0.58	190	0.611	280	0.699
20	0.977	110	0.546	200	0.595	290	0.761
30	0.949	120	0.533	210	0.573	300	0.821
40	0.912	130	0.537	220	0.55	310	0.875
50	0.865	140	0.555	230	0.535	320	0.92
60	0.81	150	0.577	240	0.534	330	0.956
70	0.749	160	0.598	250	0.552	340	0.981
80	0.687	170	0.613	260	0.588	350	0.996

**Additional Azimuths**

Degree	V <sub>A</sub>
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**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>Lawrence Charles O'Donnell</b> <i>Chief Engineer</i></p> <p>06/01/2020</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">WFQX MPEG 4 Request.docx</a>	Applicant	General Information	MPEG 4 Experimental license request