



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000087285** | Submit Date: **10/24/2019** | Call Sign: **WMEA-TV** | Facility ID: **39656** | FRN: **0003293008** |

State: **Maine** | City: **BIDDEFORD**

Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **10/30/2019** | Expiration Date: |

Filing Status: **InActive**

General Information

Section	Question	Response
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Fees, Waivers, and Exemptions

Section	Question	Response
Waivers	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

Applicant	Address	Phone	Email	Applicant Type
MAINE PUBLIC BROADCASTING CORPORATION Applicant Doing Business As: MAINE PUBLIC BROADCASTING CORPORATION	Jeffrey F. Mahaney 1450 LISBON ST LEWISTON, ME 04240 United States	+1 (207) 783-9101	jmahaney@mainepublic.org	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
Jeffrey F Mahaney F Mahaney MAINE PUBLIC BROADCASTING CORPORATION	63 TEXAS AVENUE BANGOR, ME 04401 United States	+1 (207) 404-5118	jmahaney@mainepublic.org	Technical Representative
BARRY S. PERSH S. PERSH GRAY MILLER PERSH LLP	2233 Wisconsin Avenue, NW Suite 226 Washington, DC 20007 United States	+1 (202) 776-2458	BPERSH@GRAYMILLERPERSH. COM	Legal Representative

Channel and
Facility
Information

Section	Question	Response
Proposed Community of License	Facility ID	39656
	State	Maine
	City	BIDDEFORD
	DTV Channel	45
	Designated Market Area	PORTLAND-AUBURN
Facility Type	Facility Type	Noncommercial Educational
	Station Type	Main
Zone	Zone	1

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1037792
Coordinates (NAD83)	Latitude	43° 25' 00.3" N+
	Longitude	070° 48' 15.2" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	163.3 meters
	Support Structure Height	152.0 meters
	Ground Elevation (AMSL)	192.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	149 meters
	Height of Radiation Center Above Average Terrain	231 meters
	Height of Radiation Center Above Mean Sea Level	341.0 meters
	Effective Radiated Power	50 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1005832
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TLP-12E
	Rotation	90 degrees
	Electrical Beam Tilt	1
	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	1.0	90	.299	180	.251	270	.299
10	.974	100	.256	190	.234	280	.346
20	.903	110	.214	200	.191	290	.406
30	.8	120	.169	210	.137	300	.482
40	.686	130	.125	220	.106	310	.577
50	.577	140	.106	230	.125	320	.686
60	.482	150	.137	240	.169	330	.80
70	.406	160	.191	250	.214	340	.903
80	.346	170	.234	260	.256	350	.974

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.	Jeffrey Mahaney Mahaney <i>Chief Technical Officer</i> 10/24/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
WMEA Interim Antenna STA Request - October 2019.pdf	Applicant	All Purpose	STA Request