



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000074516 | Submit Date: 06/05/2019 | Call Sign: WFMJ-TV | Facility ID: 72062 | FRN: 0002931061 |

State: Ohio | City: YOUNGSTOWN

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 06/11/2019 | Expiration Date: |

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
WFMJ TELEVISION, INC. Applicant Doing Business As: WFMJ TELEVISION, INC.	Jack Grdic 101 WEST BOARDMAN STREET YOUNGSTOWN, OH 44503 United States	+1 (330) 744- 8611	JAGRDIC@WFMJ. 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
PE John E. Hidle J Flis Carl T. Jones Corporation	Bob Flis 7901 Yarnwood Court Springfield, VA 22153 United States	+1 (703) 569-7704	jhidle@ctjc.com	Technical Representative
PE John E. Hidle E. Hidle , PE . Carl T. Jones Corporation	John E. Hidle, PE 7901 Yarnwood Court Springfield, VA 22153 United States	+1 (703) 569-7704	test@fcc.gov	Technical Representative
JESSICA T. NYMAN T. NYMAN PILLSBURY WINTHROP SHAW PITTMAN LLP	1200 SEVENTEENTH STREET, NW WASHINGTON, DC 20036 United States	+1 (202) 663-8810	JESSICA. NYMAN@PILLSBURYLAW. COM	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	72062
	State	Ohio
	City	YOUNGSTOWN
	DTV Channel	33
	Designated Market Area	Youngstown
Facility Type	Facility Type	Commercial
	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	1015316
Coordinates (NAD83)	Latitude	41° 04' 48.6" N+
	Longitude	080° 38' 24.4" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	311.2 meters
	Support Structure Height	292.0 meters
	Ground Elevation (AMSL)	314.9 meters
Antenna Data	Height of Radiation Center Above Ground Level	240.8 meters
	Height of Radiation Center Above Average Terrain	233 meters
	Height of Radiation Center Above Mean Sea Level	555.7 meters
	Effective Radiated Power	400 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1005089
Antenna Manufacturer and Model	Manufacturer:	DIELECTRIC
	Model	TFU-16WB C160H
	Rotation	0 degrees
	Electrical Beam Tilt	0.55
	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	.994	90	.665	180	.487	270	.939
10	1.0	100	.557	190	.430	280	.971
20	.993	110	.461	200	.459	290	.993
30	.972	120	.432	210	.556	300	1.0
40	.939	130	.489	220	.663	310	.993
50	.902	140	.575	230	.752	320	.981
60	.864	150	.632	240	.815	330	.972
70	.817	160	.632	250	.862	340	.973
80	.754	170	.754	260	.901	350	.982

Additional Azimuths

Degree	V _A
193	.428
155	.640
118	.430

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.	Robert J. Flis J. Flis <i>Chief Engineer</i> 06/05/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WFMJ-TV Antenna Exhibits 6-4-2019.pdf</u>	Applicant	General Information	WFMJ-TV - STA Antenna Exhibits for Dielectric model TFU-16WB C160H.
<u>WFMJ-TV - Ch 33 - STA request Technical Document - 6-5-2019.pdf</u>	Applicant	All Purpose	WFMJ-TV - STA Request Technical Document - June 5, 2019.
<u>WFMJ-TV - Rad Haz Compliance Statement - 6-4-2019.pdf</u>	Applicant	All Purpose	WFMJ-TV Environmental and Radio Frequency Radiation Safety Compliance Statement.