



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000093561** | Submit Date: **12/17/2019** | Call Sign: **WSYM-TV** | Facility ID: **74094** | FRN: **0002710192**
 State: **Michigan** | City: **LANSING**
 Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **12/20/2019** | Expiration Date: **07/15/2020**
 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
SCRIPPS BROADCASTING HOLDINGS LLC Doing Business As: SCRIPPS BROADCASTING HOLDINGS LLC	David Giles 312 WALNUT STREET 28TH FLOOR CINCINNATI, OH 45202 United States	+1 (513) 977-3000	DAVE. GILES@SCRIPPS. COM	Limited Liability Company

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
KENNETH C. HOWARD , JR . BAKER & HOSTETLER LLP	1050 CONNECTICUT AVENUE, NW SUITE 1100 WASHINGTON, DC 20036 United States	+1 (202) 861- 1580	KHOWARD@BAKERLAW. COM	Legal Representative
Benjamin Pidek , P.E . <i>CONSULTING ENGINEER</i> Mid-State Consultants	6197 MILLER RD., SUITE 1 SWARTZ CREEK, MI 48473 United States	+1 (810) 226- 0750	bpidek@mscon.com	Technical Representative
Roy P. Stype , III . Carl E. Smith Consulting Engineers	PO Box 807 Bath, OH 44210 United States	+1 (330) 659- 4440	rstype@aol.com	Technical Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	74094
	State	Michigan
	City	LANSING
	DTV Channel	28
	Designated Market Area	Lansing
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	1005429
Coordinates (NAD83)	Latitude	42° 28' 03.0" N+
	Longitude	084° 39' 06.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	315.8 meters
	Support Structure Height	301.0 meters
	Ground Elevation (AMSL)	280.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	207.9 meters
	Height of Radiation Center Above Average Terrain	205 meters
	Height of Radiation Center Above Mean Sea Level	487.9 meters
	Effective Radiated Power	147.5 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	1005477
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TFU-16WB-C160H
	Rotation	0 degrees
	Electrical Beam Tilt	0.75
	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	0.901	90	0.982	180	0.754	270	0.574
10	0.939	100	0.994	190	0.665	280	0.487
20	0.971	110	1.000	200	0.557	290	0.430
30	0.993	120	0.993	210	0.461	300	0.459
40	1.000	130	0.972	220	0.432	310	0.556
50	0.993	140	0.939	230	0.489	320	0.663
60	0.981	150	0.902	240	0.575	330	0.752
70	0.972	160	0.864	250	0.632	340	0.815
80	0.973	170	0.817	260	0.632	350	0.862

Additional Azimuths

Degree	V _A
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Certification

Section	Question	Response
<p>General Certification Statements</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>Authorized Party to Sign</p>	<p>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</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>Ray Thurber <i>Vice President/Engineering</i></p> <p>12/17/2019</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>wsym_antenna_info(sta-28).pdf</u>	Applicant	General Information	wsym-tv_antenna data
<u>wsym-tv_sta_exhibit.pdf</u>	Applicant	General Information	Purpose of STA