



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000063679** | Submit Date: **11/21/2018** | Call Sign: **KASN** | Facility ID: **41212** | FRN: **0004284899** | State: **Arkansas** | City: **PINE BLUFF**
Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **11/28/2018** | Expiration Date: **05/28/2019**

Filing Status: **Active**

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?	Yes
	Indicate reason for fee exemption:	Section 1.1116(a)/Incentive Auction Filing Requirement
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
MISSION BROADCASTING, INC.	30400 DETROIT ROAD SUITE 304 WESTLAKE, OH 44145 United States	+1 (440) 526- 2227	missionbroadcasting@gmail. com	Corporation

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
William T Godfrey , Jr . <i>Consulting Engineers</i> Kessler and Gehman Associates, Inc.	William T. Godfrey, Jr. Kessler and Gehman Associates, Inc. 507-D NW 60th Street Gainesville, FL 32607 United States	+1 (352) 332- 3157	bill@kesslerandgehman. com	Technical Representative
Gregory L. Masters , Esq . Wiley Rein LLP	1776 K Street, N.W. Washington, DC 20006 United States	+1 (202) 719- 7370	gmasters@wileyrein. com	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	41212
	State	Arkansas
	City	PINE BLUFF
	DTV Channel	34
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	2

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1036554
Coordinates (NAD83)	Latitude	34° 26' 31.0" N+
	Longitude	092° 13' 04.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	578.8 meters
	Support Structure Height	564.0 meters
	Ground Elevation (AMSL)	103.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	478.5 meters
	Height of Radiation Center Above Average Terrain	497.3 meters
	Height of Radiation Center Above Mean Sea Level	581.5 meters
	Effective Radiated Power	480 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1004350
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TUA-P4-4/10U-1 SM
	Rotation	60 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	V _A (Authorized Value)	Degree	V _A (Authorized Value)	Degree	V _A (Authorized Value)	Degree	V _A (Authorized Value)
0	0.924	90	0.351	180	0.924	270	0.351
10	0.780	100	0.394	190	0.780	280	0.394
20	0.590	110	0.380	200	0.590	290	0.380
30	0.434	120	0.408	210	0.434	300	0.408
40	0.403	130	0.592	220	0.403	310	0.592
50	0.421	140	0.791	230	0.421	320	0.791
60	0.378	150	0.918	240	0.378	330	0.918
70	0.361	160	0.990	250	0.361	340	0.990
80	0.361	170	0.993	260	0.361	350	0.993

Additional Azimuths

Degree	V _A
86	0.340
345	1.000
266	0.340
165	1.000

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>Dennis P. Thatcher <i>President</i></p> <p>11/21/2018</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
kasn.pdf	Internal	All Purpose	
KASN TUA-P4-4-10U-1 SM Interim Antenna Data .pdf	Applicant	General Information	Antenna Electrical and Mechanical Data
Purpose of STA.pdf	Applicant	General Information	Purpose of STA