



(REFERENCE COPY - Not for submission)

# DTV Engineering STA Application

File Number: **0000086460** | Submit Date: **10/15/2019** | Call Sign: **WNAB** | Facility ID: **73310** | FRN: **0003797305** | State:

**Tennessee** | City: **NASHVILLE**

Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **10/22/2019** | 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
NASHVILLE LICENSE HOLDINGS, L.L.C. Applicant Doing Business As: NASHVILLE LICENSE HOLDINGS, L.L.C.	Dennis Breckey, Chief Operator 11400 WEST OLYMPIC BLVD. SUITE 590 LOS ANGELES, CA 90064 United States	+1 (615) 512-5282	dbreckey@wnab.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  
(4)

Contact Name	Address	Phone	Email	Contact Type
<b>Dennis Breckey</b> <i>Station Manager / Chief Operator</i> WNAB/Nashville Broadcasting LP	631 Mainstream Dr. Nashville, TN 37228 United States	+1 (615) 512-5282	dbreckey@wnab.com	Technical Representative
<b>Paul A. Cicelski , Esq .</b> Lerman Senter PLLC	2001 L St NW Suite 400 Washington, DC 20036 United States	+1 (202) 416-6756	pcicelski@lermansenter.com	Legal Representative
<b>PE John E. Hidle E. Hidle , PE .</b> Carl T. Jones Corporation	John E. Hidle, PE 7901 Yarnwood Court Springfield, VA 22153 United States	+1 (703) 569-7704	jhidle@ctjc.com	Technical Representative
<b>Esq Henry Wendel Wendel , Esq .</b> Cooley LLP	1299 Pennsylvania Ave., NW Suite 700 Washington, DC 20004 United States	+1 (202) 776-2943	hwendel@cooley.com	Legal Representative

Channel and  
Facility  
Information

Section	Question	Response
Proposed Community of License	Facility ID	73310
	State	Tennessee
	City	NASHVILLE
	DTV Channel	30
	Designated Market Area	Nashville
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	1224078
Coordinates (NAD83)	Latitude	36° 15' 49.8" N+
	Longitude	086° 47' 38.9" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	381.3 meters
	Support Structure Height	381.3 meters
	Ground Elevation (AMSL)	243.2 meters
Antenna Data	Height of Radiation Center Above Ground Level	259.2 meters
	Height of Radiation Center Above Average Terrain	320.2 meters
	Height of Radiation Center Above Mean Sea Level	502.4 meters
	Effective Radiated Power	130 kW

Antenna  
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1005735
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TFU-16WB/VP-R C160
	Rotation	0 degrees
	Electrical Beam Tilt	0.55
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
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	.356	90	.661	180	.894	270	.998
10	.466	100	.765	190	.832	280	.973
20	.583	110	.833	200	.788	290	.930
30	.630	120	.883	210	.772	300	.884
40	.584	130	.930	220	.787	310	.833
50	.466	140	.972	230	.830	320	.764
60	.357	150	.998	240	.891	330	.659
70	.382	160	.993	250	.952	340	.516
80	.519	170	.954	260	.992	350	.379

Additional Azimuths

Degree	V <sub>A</sub>
64	.347
356	.344
266	.999
154	1.0

## Certification

Section	Question	Response
<b>General Certification Statements</b>	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.	
<b>Authorized Party to Sign</b>	<b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b> 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.	<b>Michael Lambert Lambert</b> <i>Vice President and CEO</i>  10/15/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#"><u>WNAB - Antenna Exhibits - Interim Ch 30 - TFU-16WBVP-R C160 .pdf</u></a>	Applicant	General Information	WNAB - Antenna Exhibits for Interim antenna Dielectric model TFU-16WB/VP-R C160.
<a href="#"><u>WNAB - Ch 30 - Interim antenna STA Request Technical Document - 10-11-2019.pdf</u></a>	Applicant	General Information	WNAB - Request for STA Technical Document - October 11, 2019.
<a href="#"><u>WNAB - CH 30 - Rad Haz Compliance Statement - 10-11-2019.pdf</u></a>	Applicant	General Information	WNAB - Environmental and Radio Frequency Radiation Safety Compliance Statement.
<a href="#"><u>WNAB- - exhibit 1 STA - 10-11-2019.pdf</u></a>	Applicant	General Information	WNAB - Exhibit 1 noise limited and principal community predicted coverage contours.
<a href="#"><u>WNAB Exhibit for STA Request 10.14.pdf</u></a>	Applicant	General Information	Request for STA