



1671 W. Sunrise Blvd.
Ste.110
Sunrise, FL 33323

MODIFICATION – LMS#000006415

Facility ID: 185275

WQEH-LD Ch.50 Jackson, TN

Date: 06-Dec-2017 Rev:

1 Scope

Applicant submits this application pursuant to the terms of the Consent Decree entered into between DTV America Corporation and the FCC's Media Bureau. *See DTV America Corp., et al.*, Consent Decree, DA 17-1058 (rel. Oct. 31, 2017). The reference coordinates and operational parameters in this application are based on the coordinates and parameters included in the corresponding application listed in Appendix E to the Consent Decree. *See id.* at App. E. Where necessary, Applicant has made minor adjustments to the originally defined parameters to avoid interference to primary broadcast facilities or to account for site-availability issues. *See id.* ¶ 24. Deviations from the originally defined parameters comply with Part 74 of the Commission's rules and the terms of the Consent Decree. *Id.*

DTV America is currently on the air with WYJJ-LD in Jackson and therefore proposes to collocate WQEH-LD facility at ASR1043911.

2 Authorization Containing Station's Modified Terms and Coordinates

Permit File Number:	000006415		
Station Location:	Jackson, TN		
Frequency (MHz):	686-692		
Channel:	50		
Antenna Type:	Directional – DIE TUA-C1	Rotation: 70°	
Coordinates (NAD83):	Latitude	35° 42' 17.0" N	Longitude 088° 44' 46.0" W
Maximum ERP:	6.0 kW		
Radiation Center AGL:	15.0 m		
Radiation Center AMSL:	161.0 m		
Antenna Structure Reg No:	N/A		

3 Proposed Facility

Antenna Structure Reg No:	1043911		
Coordinates (NAD83):	Latitude	33° 38' 49.1" N	Longitude 088° 50' 0.20" W
Distance from Permit:	6.3 miles		
Radiation Center AGL:	134.1 m		
Radiation Center AMSL:	296.5 m		



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Antenna Type: Non-Directional - TUA-O4-06/24-M-T Rotation: N/A

Maximum ERP: 15.0 kW

4 TV Study Interference Check

Study created: 2017.12.01 09:49:02

Study build station data: LMS TV 2017-11-30 (15)

Proposal: WQEH-MOD D50 LD LIC JACKSON, TN
File number: WQEH-ASR1043911
Facility ID: 188036
Station data: User record
Record ID: 50
Country: U.S.

Build options:
Protect records not on baseline channel

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WQEH-LD	D50	LD	LIC	JACKSON, TN	BLANK0000011195	102.2 km
WQEH-LD	D50	LD	CP	JACKSON, TN	BLANK0000011227	149.7
W50EA-D	D50	DC	LIC	MEMPHIS, TN	BLDTL20101014AAU	94.9
WPXX-TV	D51	DT	LIC	MEMPHIS, TN	BLCDT20020430ACC	101.2

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:
WDXI 1310 L DAN D JACKSON, TN BL19811224AB
WDXI 1310 L DAN N JACKSON, TN BL19811224AB
WLLI 1390 L DAN D JACKSON, TN BL19810504AE
WLLI 1390 L DAN N JACKSON, TN BL19781031AC

Record parameters as studied:

Channel: D50
Mask: Full Service
Latitude: 35 38 49.10 N (NAD83)
Longitude: 88 50 0.20 W
Height AMSL: 296.5 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattn: Generic

52.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	149.4 m	45.5 km
45.0	15.0	131.1	44.3



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90.0	15.0	129.2	44.1
135.0	15.0	151.3	45.7
180.0	15.0	147.6	45.4
225.0	15.0	146.6	45.3
270.0	15.0	168.7	46.8
315.0	15.0	142.7	45.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 146 m

Distance to Canadian border: 852.2 km

Distance to Mexican border: 1322.5 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 116.7 degrees Distance: 424.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 294.0 degrees Distance: 1518.7 km

Study cell size: 1.00 km
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

No IX check failures found.

