



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

MODIFICATION – LMS#0000007006

Facility ID: 188749

WLEH-LD Ch. 48 St. Louis, MO

Date: 08-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.*

Due to lack of viable structures within the immediate vicinity of the facility listed under Appendix E of the Decree, DTV America proposes an alternate tower ASR1008634.

2 Authorization Containing Station's Modified Terms and Coordinates

Permit File Number:	0000007006		
Station Location:	St. Louis, MO		
Frequency (MHz):	674-680		
Channel:	48		
Antenna Type:	Directional – DIE TUA-P2-0641	Rotation: 280°	
Coordinates (NAD83):	Latitude	38° 29' 23.0" N	Longitude 089° 47' 18.0" W
Maximum ERP:	6.0 kW		
Radiation Center AGL:	17.4 m		
Radiation Center AMSL:	165.60 m		
Antenna Structure Reg No:	N/A		

3 Proposed Facility

Antenna Structure Reg No:	1008634		
Coordinates (NAD83):	Latitude	38° 21' 53.6" N	Longitude 089° 53' 23.5" W
Distance from Permit:	10.2 miles		
Radiation Center AGL:	92.05 m		
Radiation Center AMSL:	238.9 m		



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Antenna Type: 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 13:14:08

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

Proposal: WLEH-MOD D48 LD LIC Saint Louis, MO
File number: WLEH-ASR1008634
Facility ID: 188749
Station data: User record
Record ID: 57
Country: U.S.

Build options:
Protect records not on baseline channel

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WRBU	D47	DT	LIC	EAST ST. LOUIS, IL	BLCDT20020510ABC	52.2 km
KEFN-CD	D49z	DC	LIC	ST. LOUIS, MO	BLANK0000001621	47.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D48
Mask: Full Service
Latitude: 38 21 53.60 N (NAD83)
Longitude: 89 53 23.50 W
Height AMSL: 238.9 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattn: Generic

51.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	88.6 m	40.4 km
45.0	15.0	107.2	42.6
90.0	15.0	116.1	43.4
135.0	15.0	103.5	42.2
180.0	15.0	117.1	43.5
225.0	15.0	108.6	42.7
270.0	15.0	98.1	41.6
315.0	15.0	95.2	41.2



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Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 104 m

Distance to Canadian border: 697.8 km

Distance to Mexican border: 1424.6 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 33.9 degrees Distance: 576.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 283.2 degrees Distance: 1332.7 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.



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