



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

MODIFICATION – LMS#0000006703

Facility ID: 181945

W27DH-LD Ch. 27 Evansville, IN

Date: 04-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 ASR1303108.

2 Authorization Containing Station's Modified Terms and Coordinates

Permit File Number: 0000006703

Station Location: Evansville, IN

Frequency (MHz): 548-554

Channel: 27

Antenna Type: Directional – DIE TUA-C1 Rotation: 40°

Coordinates (NAD83): Latitude 38° 1' 28.8" N Longitude 087° 21' 43.30" W

Maximum ERP: 6.0 kW

Radiation Center AGL: 15.0 m

Radiation Center AMSL: 160.1 m

Antenna Structure Reg No: N/A

3 Proposed Facility

Antenna Structure Reg No: 1303108

Coordinates (NAD83): Latitude 37° 58' 40.6" N Longitude 087° 33' 8.8" W

Distance from Permit: 11.5 miles

Radiation Center AGL: 79.25 m

Radiation Center AMSL: 196.0m



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

Maximum ERP: 15.0 kW

4 TV Study Interference Check

Study created: 2017.12.05 08:34:18

Study build station data: LMS TV 2017-12-04 (16)

Proposal: W27DH-MOD D27 LD LIC Louisville, KY
File number: W27DH
Facility ID: 181945
Station data: User record
Record ID: 59
Country: U.S.

Build options:
Protect records not on baseline channel

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
NEW	D26	LD	APP	EVANSVILLE, IN	BNPDTL20090825BAA	17.4 km
WTTV	D27	DT	CP	BLOOMINGTON, IN	BLANK0000025244	200.2
WTTV	D27	DT	APP	BLOOMINGTON, IN	BLANK0000034516	200.2
WIPX-TV	D27	DT	LIC	BLOOMINGTON, IN	BLCDT20040406AAH	200.1
WKRN-TV	D27	DT	LIC	NASHVILLE, TN	BLCDT20090624ABO	224.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D27
Mask: Full Service
Latitude: 37 58 40.60 N (NAD83)
Longitude: 87 33 8.80 W
Height AMSL: 196.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattnr: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	67.9 m	39.3 km
45.0	15.0	75.2	40.4
90.0	15.0	74.4	40.3
135.0	15.0	83.4	41.7
180.0	15.0	74.7	40.4



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225.0	15.0	86.5	42.1
270.0	15.0	65.1	38.9
315.0	15.0	58.7	37.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 73 m

Distance to Canadian border: 576.5 km

Distance to Mexican border: 1560.7 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 150.1 degrees Distance: 523.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 284.4 degrees Distance: 1541.3 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%

**MX with scenario 1, receives 13.52% interference
**MX with scenario 2, receives 13.51% interference



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5 51dBu Contour

