



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

MODIFICATION – LMS#0000004243

Facility ID: 184195

WUEA-LD Ch. 23 Lafayette, 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 ASR1029951.

## 2 Authorization Containing Station's Modified Terms and Coordinates

Permit File Number:	0000004243		
Station Location:	Lafayette, IN		
Frequency (MHz):	524-530		
Channel:	23		
Antenna Type:	Directional – DIE TUA-P2-0641	Rotation: 20°	
Coordinates (NAD83):	Latitude 41° 21' 30.0" N	Longitude 086° 22' 4.0" W	
Maximum ERP:	6.0 kW		
Radiation Center AGL:	17.4 m		
Radiation Center AMSL:	271.9 m		
Antenna Structure Reg No:	N/A		

## 3 Proposed Facility

Antenna Structure Reg No:	1029951		
Coordinates (NAD83):	Latitude 41° 24' 42.97" N	Longitude 086° 01' 51.0" W	
Distance from Permit:	17.9 miles		
Radiation Center AGL:	107.3 m		
Radiation Center AMSL:	361.8 m		



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Antenna Type: Non-Directional - TUA-O4-06/24M-T Rotation: N/A  
Maximum ERP: 6.0 kW

#### 4 TV Study Interference Check

Study created: 2017.11.20 10:47:42

Study build station data: LMS TV 2017-11-20 (7)

Proposal: WUEA-LD D23 LD APP South Bend, IN  
File number: WUEA-ASR1029951  
Facility ID: 184195  
Station data: User record  
Record ID: 20  
Country: U.S.

Build options:  
Protect records not on baseline channel

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WCIU-TV	D23	DT	APP	CHICAGO, IL	BLANK00000034608	143.1 km
WCIU-TV	D23	DT	CP	CHICAGO, IL	BLANK00000028180	143.1
WDTI	D23	DT	CP	INDIANAPOLIS, IN	BLANK00000024986	169.3
WDTI	D23	DT	APP	INDIANAPOLIS, IN	BLANK00000034481	169.3
WIPB	D23	DT	LIC	MUNCIE, IN	BLEDT20090717ABL	156.1
WPTA	D24	DT	LIC	FORT WAYNE, IN	BLCDT20031031AGU	78.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D23  
Mask: Full Service  
Latitude: 41 24 42.97 N (NAD83)  
Longitude: 86 1 51.00 W  
Height AMSL: 361.8 m  
HAAT: 0.0 m  
Peak ERP: 6.00 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic

49.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	6.00 kW	102.3 m	40.0 km
45.0	6.00	98.7	39.6
90.0	6.00	108.6	40.6
135.0	6.00	106.3	40.4



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180.0	6.00	112.5	41.0
225.0	6.00	110.9	40.9
270.0	6.00	113.6	41.1
315.0	6.00	108.5	40.6

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 108 m

Distance to Canadian border: 249.0 km

Distance to Mexican border: 1893.0 km

Conditions at FCC monitoring station: Allegan MI  
Bearing: 2.7 degrees    Distance: 132.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 271.4 degrees    Distance: 1618.2 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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## 5 51dBu Contour

