

MODIFICATION – LMS#0000013953	Facility ID: 182836
WEDS-LD Ch. 29 Fort Walton, FL	Date: 19-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 proposes the following operating parameters for WEDS-LD to address co-channel interference caused to WFBD-DT.

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

Permit File Number: 0000013953

Station Location: Fort Walton, FL

Frequency (MHz): 578-584

Channel: 38

Antenna Type: Directional – DIE TUA-P2-0641 Rotation: 270°

Coordinates (NAD83): Latitude 38° 46′ 45.9″ N Longitude 093° 50′ 36.1″ W

Maximum ERP: 6.0 kW

Radiation Center AGL: 17.4 m

Radiation Center AMSL: 286.4 m

Antenna Structure Reg No: N/A

#### 3 Proposed Facility

Antenna Structure Reg No: 1059256

Coordinates (NAD83): Latitude 30° 36′ 10.9″ N Longitude 088° 12′ 10.8″ W

Radiation Center AGL: 67.0 m

Radiation Center AMSL: 99.9 m

Antenna Type: Directional - TUA-C3D Rotation: 340°

Maximum ERP: 15.0 kW

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### 4 TV Study Interference Check

Study created: 2017.12.14 16:04:34

Study build station data: LMS TV 2017-12-09 (18)

Proposal: WEDS-MOD D29 LD LIC FORT WALTON, FL

File number: WEDS-ASR1059256

Facility ID: 182836

Station data: User record

Record ID: 90 Country: U.S.

Build options:

Protect records not on baseline channel

Stations affected by proposal:

Call Chan Svc Status City, State File Number

Distance

WFBD D29 DT CP DESTIN, FL BLANK0000027353

148.2 km

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D29

Mask: Full Service

Latitude: 30 36 10.90 N (NAD83)

Longitude: 88 12 10.80 W

Height AMSL: 55.1 m
HAAT: 0.0 m
Peak ERP: 15.0 kW

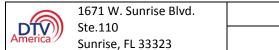
Antenna: DIE-TUA-C3B (ID 120743) 340.0 deg

Elev Pattrn: Generic

50.2 dBu contour:

Azimuth	n ERP		HAAT		Distanc	ce
0.0	deg 10.3	kW	11.0	m	28.4	km
45.0	0.229		31.7		12.3	
90.0	0.060		51.0		11.3	
135.0	8.47		47.4		32.3	
180.0	10.3		29.6		28.4	
225.0	0.229		14.5		12.1	
270.0	0.060		16.6		8.7	
315.0	8.47		3.9		27.5	

Database HAAT does not agree with computed HAAT Database HAAT: 0 m Computed HAAT: 26 m



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Distance to Canadian border: 1326.1 km

Distance to Mexican border: 996.1 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 41.2 degrees Distance: 488.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone: Bearing: 309.2 degrees Distance: 1865.4 km

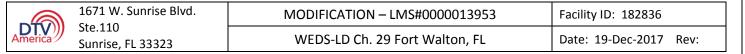
Study cell size: 1.00 km

Profile point spacing: 1.00 km

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

Maximum new IX to LPTV: 2.00%

Proposal receives 12.98% interference from scenario 1 No IX check failures found.



# 5 51dBu Contour

