



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

MODIFICATION – LMS#0000008880

Facility ID: 182016

WDXA-LD Ch. 19 Charleston, SC

Date: 18-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 modified operating parameters for WDXA-LD to address co-channel interference caused to WSOC-DT and WCSC-DT.

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

Permit File Number:	0000008880		
Station Location:	Charleston, NC		
Frequency (MHz):	560-566		
Channel:	19		
Antenna Type:	Directional – DIE TUA-P2-0641	Rotation: 220°	
Coordinates (NAD83):	Latitude	33° 39' 59.3" N	Longitude 079° 50' 13.1" W
Maximum ERP:	6.0 kW		
Radiation Center AGL:	17.4 m		
Radiation Center AMSL:	36.1 m		
Antenna Structure Reg No:	N/A		

## 3 Proposed Facility

Antenna Structure Reg No:	1050842		
Coordinates (NAD83):	Latitude	33° 56' 56.4" N	Longitude 080° 23' 33.7" W
Radiation Center AGL:	100 m		
Radiation Center AMSL:	154.9 m		
Antenna Type:	Directional - TUA-C2A	Rotation: 340°	
Maximum ERP:	6.0 kW		

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## 4 TV Study Interference Check

Study created: 2017.12.14 14:26:00

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

Proposal: WDXA-MOD D19 LD CP Charleston, SC  
File number: WXDA-ASR1050842  
Facility ID: 182016  
Station data: User record  
Record ID: 88  
Country: U.S.

Build options:  
Protect records not on baseline channel

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WFXB	D18	DT	LIC	MYRTLE BEACH, SC	BLCDT20070205ACJ	114.5 km
WSOC-TV	D19	DT	CP	CHARLOTTE, NC	BLANK00000025119	149.1
WSOC-TV	D19	DT	APP	CHARLOTTE, NC	BLANK00000034695	149.0
WCSC-TV	D19	DT	CP	CHARLESTON, SC	BLANK00000025160	130.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D19  
Mask: Full Service  
Latitude: 33 56 57.00 N (NAD83)  
Longitude: 80 23 33.00 W  
Height AMSL: 154.9 m  
HAAT: 0.0 m  
Peak ERP: 6.00 kW  
Antenna: DIE TUA-C2A 340.0 deg  
Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.29 kW	93.1 m	36.4 km
45.0	4.65	106.4	39.6
90.0	0.152	111.8	22.4
135.0	0.002	108.4	7.9
180.0	0.005	104.7	9.3
225.0	0.070	99.6	17.0
270.0	3.65	89.6	36.5
315.0	3.97	79.2	35.4

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 99 m

Distance to Canadian border: 876.7 km



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Distance to Mexican border: 1818.6 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 269.8 degrees Distance: 399.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 294.6 degrees Distance: 2298.8 km

No land mobile station failures found

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 BLANK0000034155 APP, 15.23% interference, scenario 1

Proposal receives 14.92% interference from scenario 2

\*\*MX with scenario 3, receives 17.68% interference

\*\*MX with BLANK0000034695 APP, 17.37% interference, scenario 4



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## 5 51dBu Contour

