



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:01

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 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:	1239691		
Coordinates (NAD83):	Latitude	33° 39’ 59.3” N	Longitude 079° 50’ 13.1” W
Distance from Permit:	0 miles		
Radiation Center AGL:	50.0 m		
Radiation Center AMSL:	68.1 m		
Antenna Type:	Directional - TUA-C1	Rotation: 180°	
Maximum ERP:	0.3 kW		



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4 TV Study Interference Check

Study created: 2017.12.19 17:40:50

Study build station data: LMS TV 2017-12-18 (19)

Proposal: WDXA-MOD D19 LD LIC Charleston, SC
 File number: WDXA-ASR1239691
 Facility ID: 182016
 Station data: User record
 Record ID: 96
 Country: U.S.

Build options:
 Protect records not on baseline channel

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WCSC-TV	D19	DT	APP	CHARLESTON, SC	BLANK0000034155	83.4 km
WCSC-TV	D19	DT	CP	CHARLESTON, SC	BLANK0000025160	83.4

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 39 59.30 N (NAD83)
 Longitude: 79 50 13.10 W
 Height AMSL: 68.7 m
 HAAT: 0.0 m
 Peak ERP: 0.300 kW
 Antenna: DIE-TUA-C1 180.0 deg
 Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.001 kW	48.6 m	4.4 km
45.0	0.000	44.5	3.4
90.0	0.000	51.5	3.3
135.0	0.057	54.7	12.2
180.0	0.299	53.4	18.6
225.0	0.057	51.7	11.9
270.0	0.000	48.1	3.2
315.0	0.000	51.6	3.7

Database HAAT does not agree with computed HAAT
 Database HAAT: 0 m Computed HAAT: 51 m

Distance to Canadian border: 918.3 km

Distance to Mexican border: 1852.8 km



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Conditions at FCC monitoring station: Powder Springs GA
Bearing: 274.1 degrees Distance: 452.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 295.1 degrees Distance: 2358.6 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 scenario 1, receives 94.17% interference
**MX with BLANK0000034805 APP, 94.17% interference, scenario 2



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5 51dBu Contour

