



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

MODIFICATION – LMS#0000008883

Facility ID: 182017

WEQA-LD Ch. 22 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.*

Due to co-channel interference caused to WACH-DT, DTV America proposes a new structure ASR1264921.

2 Authorization Containing Station’s Modified Terms and Coordinates

Permit File Number:	0000008883		
Station Location:	Charleston, NC		
Frequency (MHz):	476-482		
Channel:	15		
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:	1264921		
Coordinates (NAD83):	Latitude	33° 21’ 20.2” N	Longitude 079° 39’ 27.6” W
Distance from Permit:	20.67 miles		
Radiation Center AGL:	85.0 m		
Radiation Center AMSL:	92.6 m		
Antenna Type:	Directional - TUA-C2A	Rotation: 140°	
Maximum ERP:	15.0 kW		



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4 TV Study Interference Check

Study created: 2017.12.19 09:29:48

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

Proposal: WEQA-MOD D22 LD LIC Charleston, SC
File number: WEQA-ASR1264921
Facility ID: 182017
Station data: User record
Record ID: 91
Country: U.S.

Build options:
Protect records not on baseline channel

No protected stations found.

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D22
Mask: Full Service
Latitude: 33 21 20.20 N (NAD83)
Longitude: 79 39 27.60 W
Height AMSL: 92.6 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: DIE-TUA-C2B 140.0 deg
Elev Pattrn: Generic

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.015 kW	80.7 m	10.5 km
45.0	2.05	83.7	32.4
90.0	14.4	84.4	42.1
135.0	11.6	89.2	41.7
180.0	14.7	85.3	42.4
225.0	4.55	84.0	36.4
270.0	0.014	85.9	10.7
315.0	0.015	77.0	10.3

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 84 m

Distance to Canadian border: 955.7 km

Distance to Mexican border: 1855.0 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 278.2 degrees Distance: 472.3 km



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Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 295.7 degrees Distance: 2388.4 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%

No IX check failures found.

5 51dBu Contour

