



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 Pattnr: 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

