

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: Florence6d3kwincsam137at330f2, Model: Longley-Rice  
Start: 2022.04.08 01:51:23

Study created: 2022.04.08 01:51:23

Study build station data: LMS TV 2022-04-08

Proposal: W06DK-D D6 LD APP FLORENCE, SC  
Facility ID: 185609  
Station data: User record  
Record ID: 1883  
Country: U.S.

Build options:  
Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

| IX | Call    | Chan | Svc | Status | City, State        | File Number      | Distance |
|----|---------|------|-----|--------|--------------------|------------------|----------|
| No | WMBE-LD | D5   | LD  | LIC    | MYRTLE BEACH, SC   | BLANK00000179341 | 108.9 km |
| No | WCES-TV | D6   | DT  | LIC    | WRENS, GA          | BLANK00000016506 | 261.9    |
| No | W06AJ-D | D6   | LD  | LIC    | FRANKLIN, ETC., NC | BLDTV20120625AAZ | 366.2    |
| No | WMTO-LD | D6   | LD  | LIC    | NORFOLK, VA        | BLANK00000152210 | 408.4    |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D6  
Mask: Full Service  
Latitude: 34 16 18.00 N (NAD83)  
Longitude: 79 43 33.00 W  
Height AMSL: 137.2 m  
HAAT: 0.0 m  
Peak ERP: 3.00 kW  
Antenna: SAMCO-SAM-137 (ID 1009391) 330.0 deg  
Elev Pattnr: Generic

43.0 dBu contour:

| Azimuth | ERP     | HAAT    | Distance |
|---------|---------|---------|----------|
| 0.0 deg | 1.43 kW | 119.0 m | 45.5 km  |
| 45.0    | 0.011   | 117.7   | 16.9     |
| 90.0    | 0.011   | 120.5   | 17.1     |
| 135.0   | 0.051   | 108.6   | 23.4     |
| 180.0   | 0.043   | 101.0   | 21.9     |
| 225.0   | 0.005   | 100.3   | 12.8     |
| 270.0   | 0.120   | 95.7    | 26.5     |
| 315.0   | 2.59    | 92.2    | 45.6     |

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 107 m

Distance to Canadian border: 855.6 km

Distance to Mexican border: 1889.3 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 265.8 degrees    Distance: 462.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 293.6 degrees    Distance: 2340.2 km

Study cell size: 1.00 km

Profile point spacing: 0.10 km

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

Maximum new IX to LPTV: 2.00%

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Interference to proposal scenario 1

|          | Call    | Chan | Svc | Status | City, State  | File Number | Distance |
|----------|---------|------|-----|--------|--------------|-------------|----------|
| Desired: | W06DK-D | D6   | LD  | APP    | FLORENCE, SC |             |          |

| Service area |         | Terrain-limited |         |        | IX-free | Percent IX |      |
|--------------|---------|-----------------|---------|--------|---------|------------|------|
| 2628.6       | 144,068 | 2615.5          | 143,990 | 2615.5 | 143,990 | 0.00       | 0.00 |