

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Savannah29d15kwTUA230T, Model: Longley-Rice

Start: 2021.07.02 11:42:10

Study created: 2021.07.02 11:42:10

Study build station data: LMS TV 2021-07-02

Proposal: W29EN-D D29 LD APP Savannah, GA

Facility ID: 186377

Station data: User record

Record ID: 431

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 | W23FE-D | N14+ | TX | LIC | Savannah, GA | BLTT20040915ADW | 108.7 km |
| No | WJBF | D28 | DT | LIC | AUGUSTA, GA | BLANK0000116201 | 155.6 |
| No | WJNI-LD | D28 | LD | CP | NORTH CHARLESTON, SC | BLANK0000054748 | 151.3 |
| No | WQMK-LD | D29 | LD | LIC | CUSSETA, AL | BLANK0000143981 | 377.4 |
| No | W29FJ-D | D29 | LD | CP | DOTHAN, AL | BLANK0000071839 | 404.7 |
| No | WTBZ-LP | N29z | TX | LIC | GAINESVILLE, FL | BLTTTL20050907ABX | 315.7 |
| No | WGFL | D29 | DT | LIC | HIGH SPRINGS, FL | BLANK0000100460 | 294.7 |
| No | W29EK-D | D29 | LD | CP | MADISON, FL | BNPDTL20100513ALL | 259.6 |
| No | WSWF-LD | D29 | LD | LIC | ORLANDO, FL | BLANK0000106247 | 388.8 |
| No | WQXT-CD | D29 | DC | LIC | ST. AUGUSTINE, FL | BLANK0000098976 | 240.2 |
| No | W29FO-D | D29 | LD | CP | TALLAHASSEE, FL | BNPDTL20090825AMR | 292.5 |
| No | WFXL | D29 | DT | CP | ALBANY, GA | BLANK0000150485 | 251.0 |
| No | W48DU-D | D29 | LD | CP | ALBANY, GA | BLANK0000052013 | 271.6 |
| No | W29ED-D | D29 | LD | CP | ASHBURN, GA | BNPDTL20100510ABD | 220.8 |
| No | W29DN-D | D29 | LD | LIC | ATHENS, GA | BLDTL20140221ACE | 256.6 |
| No | W29DN-D | D29 | LD | CP | ATHENS, GA | BPDTL20140228AEM | 306.1 |
| No | WYGA-CD | D29 | DC | CP | ATLANTA, GA | BLANK0000127583 | 337.1 |
| No | WYGA-CD | D29 | DC | LIC | ATLANTA, GA | BLANK0000081313 | 337.1 |

| | | | | | | | |
|----|---------|------|----|-----|------------------------|-------------------|-------|
| No | WDZC-LD | D29 | LD | CP | AUGUSTA, GA | BMPDTL20140528ACZ | 158.5 |
| No | W29FD-D | D29 | LD | LIC | COLUMBUS, GA | BLANK0000095112 | 324.8 |
| No | WJDO-LD | D29 | LD | CP | MACON, GA | BLANK0000074456 | 221.1 |
| No | WNCB-LD | D29 | LD | LIC | FAYETTEVILLE, NC | BLANK0000107110 | 397.4 |
| No | WSFX-TV | D29 | DT | LIC | WILMINGTON, NC | BLANK0000111706 | 373.5 |
| No | WXLV-TV | D29 | DT | LIC | WINSTON-SALEM, NC | BLCDT20050624ABB | 445.4 |
| No | W29EC-D | D29 | LD | CP | FLORENCE, SC | BNPDTL20100409ABX | 256.4 |
| No | WAZS-LD | D29 | LD | LIC | NORTH CHARLESTON, SC | BLDTL20100916ADH | 151.3 |
| No | WSQY-LD | D29 | LD | LIC | SPARTANBURG, SC | BLANK0000136293 | 334.4 |
| No | WRJA-TV | D29 | DT | LIC | SUMTER, SC | BLANK0000081209 | 225.6 |
| No | WRJA-TV | D29 | DT | CP | SUMTER, SC | BLANK0000135314 | 225.6 |
| No | W30EE-D | D30 | LD | LIC | JACKSONVILLE, FL | BLANK0000090922 | 195.5 |
| No | WAGT-CD | D30 | DC | LIC | AUGUSTA, GA | BLANK0000063630 | 155.6 |
| No | WMGT-TV | D30 | DT | LIC | MACON, GA | BLANK0000075816 | 221.1 |
| No | WLOW-LD | D30 | LD | CP | Charleston, SC | BLANK0000130090 | 163.3 |
| No | WLOW-LD | D30 | LD | LIC | Charleston, SC | BLANK0000118486 | 131.3 |
| No | W30CV-D | D30 | DC | CP | HILTON HEAD ISLAND, SC | BLANK0000127486 | 50.2 |
| No | W30CV-D | D30 | DC | LIC | HILTON HEAD ISLAND, SC | BLDTL20110110AAR | 56.3 |
| No | WSCG-LD | N32+ | TX | LIC | BEAUFORT, ETC., SC | BLTT19970401JB | 68.7 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D29
 Mask: Stringent
 Latitude: 32 3 55.30 N (NAD83)
 Longitude: 81 21 5.70 W
 Height AMSL: 18.0 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: DIE-TUA (ID 120649) 230.0 deg
 Elev Pattn: Generic

50.2 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---------|-----|------|----------|
|---------|-----|------|----------|

| | | | |
|---------|----------|-------|--------|
| 0.0 deg | 0.076 kW | 5.7 m | 9.2 km |
| 45.0 | 0.050 | 12.6 | 8.3 |
| 90.0 | 0.024 | 14.1 | 7.0 |
| 135.0 | 0.028 | 14.4 | 7.2 |
| 180.0 | 1.85 | 15.2 | 20.5 |
| 225.0 | 14.4 | 12.8 | 29.9 |
| 270.0 | 4.10 | 3.8 | 24.2 |
| 315.0 | 0.014 | 6.3 | 6.1 |

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 11 m

Distance to Canadian border: 1072.3 km

Distance to Mexican border: 1655.8 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 303.3 degrees Distance: 372.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 299.5 degrees Distance: 2314.3 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%

Interference to proposal scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|----------|---------|------|-----|--------|--------------|-------------|----------|
| Desired: | W29EN-D | D29 | LD | APP | Savannah, GA | | |

| | | | | | | | |
|-------------|---------|-----|----|-----|------------------------|------------------|----------|
| Undesireds: | W29DN-D | D29 | LD | LIC | ATHENS, GA | BLDTL20140221ACE | 256.6 km |
| | WRJA-TV | D29 | DT | LIC | SUMTER, SC | BLANK0000081209 | 225.6 |
| | W30CV-D | D30 | DC | CP | HILTON HEAD ISLAND, SC | BLANK0000127486 | 50.2 |

| | | | | | | | |
|-------|--------------|-------|-----------------|-------|---------|------|------------|
| | Service area | | Terrain-limited | | IX-free | | Percent IX |
| 861.7 | 14,119 | 861.7 | 14,119 | 861.7 | 14,119 | 0.00 | 0.00 |