

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Jans13d3kwSAM160at65T, Model: Longley-Rice

Start: 2021.06.10 09:25:36

Study created: 2021.06.10 09:25:36

Study build station data: LMS TV 2021-06-09

Proposal: W13DU-D D13 LD APP SOPERTON, GA

Facility ID: 186379

Station data: User record

Record ID: 33

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 | WFXL | D12 | DT | CP | ALBANY, GA | BLANK0000035660 | 157.6 km |
| No | WFXL | D12 | DT | LIC | ALBANY, GA | BLCDT20070725AFF | 157.6 |
| No | WRDW-TV | D12 | DT | LIC | AUGUSTA, GA | BLCDT20090227ABQ | 163.0 |
| No | W13DT-D | D13 | LD | CP | MONTGOMERY, AL | BNPDTL20090825BZO | 360.8 |
| No | WTLV | D13 | DT | LIC | JACKSONVILLE, FL | BLCDT20090702AAJ | 210.7 |
| No | WMBB | D13 | DT | LIC | PANAMA CITY, FL | BLCDT20090220AAF | 339.0 |
| No | WEDU | D13 | DT | LIC | TAMPA, FL | BLANK0000139567 | 464.3 |
| No | WEDU | D13 | DT | CP | TAMPA, FL | BLANK0000143916 | 464.3 |
| No | W45DX-D | D13 | LD | CP | ATLANTA, GA | BLANK0000053166 | 268.0 |
| No | DDWCZC-LD | D13 | LD | APP | AUGUSTA, GA | BLANK0000051603 | 164.3 |
| Yes | WMAZ-TV | D13 | DT | LIC | MACON, GA | BLCDT20090617AAN | 135.1 |
| No | WBFL-CD | D13- | DC | LIC | VALDOSTA, GA | BLANK0000004604 | 173.8 |
| No | WLOS | D13 | DT | LIC | ASHEVILLE, NC | BLCDT20101014ABR | 379.6 |
| No | WBTW | D13 | DT | LIC | FLORENCE, SC | BLCDT20090612AIR | 387.7 |
| No | WRCB | D13 | DT | CP | CHATTANOOGA, TN | BLANK0000035995 | 440.5 |
| No | WRCB | D13 | DT | LIC | CHATTANOOGA, TN | BLCDT20110729ACZ | 440.5 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D13
Mask: Stringent
Latitude: 32 1 22.00 N (NAD83)
Longitude: 82 24 28.00 W
Height AMSL: 79.8 m (Adjusted based on actual ground elevation calculation)
HAAT: 0.0 m
Peak ERP: 3.00 kW
Antenna: SAM-SAM-160 (ID 1005900) 65.0 deg
Elev Pattn: Generic

48.0 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---------|----------|--------|----------|
| 0.0 deg | 0.063 kW | 21.9 m | 12.0 km |
| 45.0 | 2.38 | 23.1 | 27.7 |
| 90.0 | 1.87 | 28.6 | 26.5 |
| 135.0 | 0.024 | 47.0 | 11.7 |
| 180.0 | 0.009 | 34.8 | 7.8 |
| 225.0 | 0.051 | 39.1 | 12.7 |
| 270.0 | 0.047 | 28.4 | 11.2 |
| 315.0 | 0.008 | 9.5 | 7.0 |

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 29 m

Distance to Canadian border: 1073.0 km

Distance to Mexican border: 1561.2 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 314.0 degrees Distance: 297.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 300.2 degrees Distance: 2230.3 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 BLCDT20090617AAN LIC scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|------------------|------------------|----------|
| Desired: | WMAZ-TV | D13 | DT | LIC | MACON, GA | BLCDT20090617AAN | |
| Undesireds: | W13DU-D | D13 | LD | APP | SOPERTON, GA | | 135.1 km |
| | WFXL | D12 | DT | CP | ALBANY, GA | BLANK0000035660 | 160.6 |
| | WTLV | D13 | DT | LIC | JACKSONVILLE, FL | BLCDT20090702AAJ | 334.7 |
| | WMBB | D13 | DT | LIC | PANAMA CITY, FL | BLCDT20090220AAF | 318.3 |
| | WBFL-CD | D13- | DC | LIC | VALDOSTA, GA | BLANK0000004604 | 232.7 |
| | WLOS | D13 | DT | LIC | ASHEVILLE, NC | BLCDT20101014ABR | 306.1 |
| | WRCB | D13 | DT | CP | CHATTANOOGA, TN | BLANK0000035995 | 312.8 |

| | Service area | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
|--|--------------|-----------------|-----------------|----------------|----------------|
| | 32865.1 | 1,182,470 | 31352.0 | 1,133,594 | 28899.4 |
| | | | | | 1,020,397 |
| | | | | | 28878.2 |
| | | | | | 1,019,796 |
| | | | | | 0.07 |
| | | | | | 0.06 |

| Undesired | Total IX | Unique IX, before | Unique IX, after |
|---------------------|----------|-------------------|------------------|
| W13DU-D D13 LD APP | 81.7 | 2,420 | 21.2 |
| WFXL D12 DT CP | 6.1 | 89 | 0.0 |
| WTLV D13 DT LIC | 313.4 | 3,626 | 230.6 |
| WMBB D13 DT LIC | 591.6 | 17,915 | 496.8 |
| WBFL-CD D13- DC LIC | 39.4 | 643 | 1.0 |
| WLOS D13 DT LIC | 1340.9 | 68,441 | 1142.6 |
| WRCB D13 DT CP | 491.9 | 44,949 | 284.5 |

Interference to BLCDT20090617AAN LIC scenario 2

| | | | | | | | | | |
|--------------|-----------|-----------------|-----------|-----------------|------------------|-------------------|-----------|------------------|--------|
| | Call | Chan | Svc | Status | City, State | File Number | Distance | | |
| Desired: | WMAZ-TV | D13 | DT | LIC | MACON, GA | BLCDT20090617AAN | | | |
| Undesireds: | W13DU-D | D13 | LD | APP | SOPERTON, GA | | 135.1 km | | |
| | WFXL | D12 | DT | CP | ALBANY, GA | BLANK0000035660 | 160.6 | | |
| | WTLV | D13 | DT | LIC | JACKSONVILLE, FL | BLCDT20090702AAJ | 334.7 | | |
| | WMBB | D13 | DT | LIC | PANAMA CITY, FL | BLCDT20090220AAF | 318.3 | | |
| | WBFL-CD | D13- | DC | LIC | VALDOSTA, GA | BLANK0000004604 | 232.7 | | |
| | WLOS | D13 | DT | LIC | ASHEVILLE, NC | BLCDT20101014ABR | 306.1 | | |
| | WRCB | D13 | DT | LIC | CHATTANOOGA, TN | BLCDT20110729ACZ | 312.8 | | |
| | | | | | | | | | |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New IX | |
| 32865.1 | 1,182,470 | 31352.0 | 1,133,594 | 28970.0 | 1,028,427 | 28948.8 | 1,027,826 | 0.07 | 0.06 |
| Undesired | | | | Total IX | | Unique IX, before | | Unique IX, after | |
| W13DU-D | D13 | LD | APP | 81.7 | 2,420 | 21.2 | 601 | | |
| WFXL | D12 | DT | CP | 6.1 | 89 | 0.0 | 0 | | |
| WTLV | D13 | DT | LIC | 313.4 | 3,626 | 230.6 | 2,735 | 185.2 | 1,549 |
| WMBB | D13 | DT | LIC | 591.6 | 17,915 | 505.8 | 17,501 | 505.8 | 17,501 |
| WBFL-CD | D13- | DC | LIC | 39.4 | 643 | 1.0 | 35 | 0.0 | 0 |
| WLOS | D13 | DT | LIC | 1340.9 | 68,441 | 1190.2 | 49,947 | 1190.2 | 49,947 |
| WRCB | D13 | DT | LIC | 364.6 | 33,973 | 213.9 | 15,468 | 213.9 | 15,468 |

Interference to proposal scenario 1

| | | | | | | | |
|--------------|---------|-----------------|--------|----------|------------------|------------------|-----------|
| | Call | Chan | Svc | Status | City, State | File Number | Distance |
| Desired: | W13DU-D | D13 | LD | APP | SOPERTON, GA | | |
| Undesireds: | WTLV | D13 | DT | LIC | JACKSONVILLE, FL | BLCDT20090702AAJ | 210.7 km |
| | WMAZ-TV | D13 | DT | LIC | MACON, GA | BLCDT20090617AAN | 135.1 |
| | | | | | | | |
| Service area | | Terrain-limited | | | IX-free | Percent IX | |
| 847.0 | 18,385 | 842.9 | 18,383 | | 815.7 | 18,318 | 3.23 0.35 |
| | | | | | | | |
| Undesired | | | | Total IX | Unique IX | Prcnt Unique IX | |

| | | | | | | |
|--------------------|------|----|------|----|------|------|
| WTLV D13 DT LIC | 1.0 | 0 | 0.0 | 0 | 0.00 | 0.00 |
| WMAZ-TV D13 DT LIC | 27.3 | 65 | 26.2 | 65 | 3.11 | 0.35 |