

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Morven17d5kwCL1469at230T, Model: Longley-Rice

Start: 2021.08.06 12:47:38

Study created: 2021.08.06 12:47:37

Study build station data: LMS TV 2021-08-06

Proposal: W45DW-D D17 LD APP Morven, GA

Facility ID: 186168

Station data: User record

Record ID: 306

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 | WCJB-TV | D16 | DT | LIC | GAINESVILLE, FL | BLCDT20071119AJB | 188.3 km |
| No | WJHG-TV | D16 | DT | LIC | PANAMA CITY, FL | BLANK0000068516 | 191.8 |
| No | DDW38EM-D | D16 | LD | APP | ALBANY, GA | BLANK0000052733 | 109.1 |
| No | WRDP-LD | D16 | LD | CP | COLUMBUS, GA | BLANK0000074337 | 196.3 |
| No | W47EC-D | D16 | LD | APP | LENOX, GA | BLANK0000155449 | 42.4 |
| No | WDMA-CD | D16 | DC | LIC | MACON, GA | BLANK0000074865 | 212.3 |
| No | WSAV-TV | D16 | DT | LIC | SAVANNAH, GA | BLANK0000055021 | 243.4 |
| No | WUOA-LD | D17 | LD | LIC | BIRMINGHAM, AL | BLANK0000011374 | 420.3 |
| No | WGBP-TV | D17 | DD | LIC | OPELIKA, AL | BLANK0000129713 | 212.3 |
| No | WPXB-LD | D17 | LD | CP | DAYTONA BEACH, FL | BLANK0000072059 | 298.9 |
| No | WJVF-LD | D17 | LD | LIC | Jacksonville, FL | BLANK0000129911 | 170.9 |
| No | WJVF-LD | D17 | LD | CP | Jacksonville, FL | BLANK0000131804 | 199.5 |
| Yes | WFXU | D17 | DT | LIC | LIVE OAK, FL | BLANK0000112143 | 63.6 |
| No | W17EL-D | D17 | LD | CP | OCALA, FL | BNPDTL20090825AMY | 208.6 |
| No | W17EM-D | D17 | LD | CP | PANAMA CITY, FL | BNPDTL20090825BWX | 191.8 |
| No | W17EM-D | D17 | LD | APP | PANAMA CITY, FL | BLANK0000116864 | 191.8 |
| No | WEAR-TV | D17 | DT | LIC | PENSACOLA, FL | BLANK0000121008 | 397.1 |
| No | WFTS-TV | D17 | DT | LIC | TAMPA, FL | BLANK0000125994 | 364.3 |

| | | | | | | | |
|----|---------|------|----|-----|-----------------------|-------------------|-------|
| No | WEWA-LD | D17 | LD | LIC | WEWAHITCHKA, FL | BLANK0000081438 | 187.5 |
| No | WSB-TV | D17 | LD | CP | ATLANTA, GA | BLANK0000137672 | 333.8 |
| No | WJEA-LD | D17 | LD | CP | AUGUSTA, GA | BLANK0000072016 | 292.8 |
| No | W17EQ-D | D17 | LD | LIC | BYROMVILLE, GA | BLANK0000155963 | 198.9 |
| No | W17ER-D | D17 | LD | CP | CORDELE, GA | BLANK0000151053 | 114.6 |
| No | W17DW-D | D17 | LD | CP | SOPERTON, GA | BNPDTL20100510AHD | 193.8 |
| No | WKSJ-LD | D17 | LD | CP | SUMMERVILLE/TRION, GA | BLANK0000074683 | 426.9 |
| No | WTAT-TV | D17 | DT | LIC | CHARLESTON, SC | BLANK0000118551 | 422.6 |
| No | WBMM | D18 | DT | LIC | TUSKEGEE, AL | BLANK0000081490 | 263.3 |
| No | WJXT | D18 | DT | LIC | JACKSONVILLE, FL | BLANK0000097950 | 200.6 |
| No | W18EI-D | D18 | LD | CP | MARIANNA, FL | BNPDTL20090825AWL | 170.5 |
| No | NEW | D18 | LD | APP | MONTICELLO, FL | BNPDTL20090825BMH | 64.2 |
| No | NEW | D18 | LD | APP | QUINCY, FL | BNPDTL20090825AMN | 113.3 |
| No | NEW | D18 | LD | APP | TALLAHASSEE, FL | BNPDTL20090825ALY | 89.4 |
| No | WUEE-LD | D18 | LD | CP | ALBANY, GA | BLANK0000013290 | 82.2 |
| No | W18ED-D | D18 | LD | CP | CHULA, GA | BNPDTL20100510ABF | 68.0 |
| No | WPGA-LD | D18- | LD | LIC | MACON, GA | BLANK0000151982 | 201.8 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D17
Mask: Stringent
Latitude: 30 56 11.70 N (NAD83)
Longitude: 83 30 14.00 W
Height AMSL: 73.0 m
HAAT: 0.0 m
Peak ERP: 5.00 kW
Antenna: KAT-CL-1469B (ID 1007708) 230.0 deg
Elev Pattn: Generic

49.0 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---------|----------|--------|----------|
| 0.0 deg | 0.000 kW | 11.1 m | 2.9 km |
| 45.0 | 0.000 | 13.4 | 2.9 |

| | | | |
|-------|-------|------|------|
| 90.0 | 0.000 | 18.6 | 2.9 |
| 135.0 | 0.000 | 17.5 | 2.9 |
| 180.0 | 0.037 | 14.6 | 8.3 |
| 225.0 | 4.74 | 12.2 | 26.1 |
| 270.0 | 0.652 | 21.5 | 16.9 |
| 315.0 | 0.000 | 10.2 | 2.9 |

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 15 m

Distance to Canadian border: 1196.0 km

Distance to Mexican border: 1421.3 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 340.9 degrees Distance: 344.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 303.5 degrees Distance: 2205.8 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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 BLANK0000112143 LIC scenario 1

| Call | Chan | Svc | Status | City, State | File Number | Distance |
|------|------|-----|--------|-------------|-------------|----------|
|------|------|-----|--------|-------------|-------------|----------|

Desired: WFXU D17 DT LIC LIVE OAK, FL BLANK0000112143

Undesireds: W45DW-D D17 LD APP Morven, GA 63.6 km
WGBP-TV D17 DD LIC OPELIKA, AL BLANK0000129713 274.6

| | | | | |
|----------------|-----------------|-----------------|----------------|----------------|
| Service area | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
| 8742.3 217,835 | 8741.3 217,835 | 8735.3 217,741 | 8728.2 217,514 | 0.08 0.10 |

| | | | |
|------------------------|----------|-------------------|------------------|
| Undesired | Total IX | Unique IX, before | Unique IX, after |
| W45DW-D D17 LD APP 7.1 | 227 | 7.1 227 | |
| WGBP-TV D17 DD LIC 6.1 | 94 | 6.1 94 | |

Interference to proposal scenario 1
19.75% interference received

| | | | | | | | |
|-------------|---------|------|-----|--------|------------------|------------------|----------|
| | Call | Chan | Svc | Status | City, State | File Number | Distance |
| Desired: | W45DW-D | D17 | LD | APP | Morven, GA | | |
| Undesireds: | WGBP-TV | D17 | DD | LIC | OPELIKA, AL | BLANK0000129713 | 212.3 km |
| | WJVF-LD | D17 | LD | LIC | Jacksonville, FL | BLANK0000129911 | 170.9 |
| | WFXU | D17 | DT | LIC | LIVE OAK, FL | BLANK0000112143 | 63.6 |
| | W17EM-D | D17 | LD | CP | PANAMA CITY, FL | BNPDTL20090825BW | 191.8 |

| | | | |
|--------------|-----------------|-------------|-------------|
| Service area | Terrain-limited | IX-free | Percent IX |
| 449.2 7,768 | 443.1 7,752 | 369.6 6,221 | 16.59 19.75 |

| | | | |
|------------------------|----------|------------|-----------------|
| Undesired | Total IX | Unique IX | Prcnt Unique IX |
| WGBP-TV D17 DD LIC 3.0 | 0 | 0.0 0 | 0.00 0.00 |
| WFXU D17 DT LIC 73.5 | 1,531 | 70.5 1,531 | 15.90 19.75 |