

INTERFERENCE ANALYSIS FOR WWME-CD BASELINE FACILITY WITH RESPECT TO W19DO-D AND WCZC-LD

tvstudy v2.2.3 (Dxtpx3)
Database: localhost, Study: wbpi_BL, Model: Longley-Rice

Study build station data: LMS TV 2017-10-03 (33)

Proposal: WBPI-CD D19 DC BL AUGUSTA, GA
File number: DTVBL17464
Facility ID: 17464
Station data: LMS TV 2017-10-03 (33)
Record ID: DTVBL17464
Country: U.S.

Build options:
Protect LPTV records from Class A

Stations affected by proposal:

| Call | Chan | Svc | Status | City, State | File Number | Distance |
|---------|------|-----|--------|----------------|-------------------|-------------------------------------|
| WGCL-TV | D19 | DT | LIC | ATLANTA, GA | BLCDT20060113ACO | 224.4 km |
| W19DO-D | D19 | LD | CP | AUGUSTA, GA | BNPDTL20100421ABO | 30.4 (Displaced by WBPI-CD.) |
| W19DD-D | D19 | LD | LIC | BREVARD, NC | BLDTT20090615AAW | 196.9 |
| WSOC-TV | D19 | DT | CP | CHARLOTTE, NC | BLANK0000025119 | 223.8 |
| W19CR-D | D19 | LD | LIC | TRYON, NC | BLANK0000027376 | 196.7 |
| WCSC-TV | D19 | DT | CP | CHARLESTON, SC | BLANK0000025160 | 218.4 |
| WCZC-LD | D20 | LD | LIC | AUGUSTA, GA | BLDTL20150112ACR | 32.4 (Displaced by WBPI-CD.) |

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:
WGAC 580 L DAN N AUGUSTA, GA BL19991221AAL

Record parameters as studied:

Channel: D19
Mask: Stringent
Latitude: 33 30 53.49 N (NAD83)
Longitude: 81 56 22.41 W
Height AMSL: 315.6 m
HAAT: 0.0 m
Peak ERP: 8.14 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 0.5

49.3 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---------|---------|---------|----------|
| 0.0 deg | 8.14 kW | 166.4 m | 46.8 km |
| 45.0 | 8.14 | 204.9 | 49.0 |
| 90.0 | 8.14 | 220.8 | 49.9 |
| 135.0 | 8.14 | 226.0 | 50.2 |
| 180.0 | 8.14 | 277.6 | 53.0 |
| 225.0 | 8.14 | 249.9 | 51.5 |
| 270.0 | 8.14 | 228.4 | 50.3 |
| 315.0 | 8.14 | 228.7 | 50.4 |

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 225 m

Distance to Canadian border: 908.1 km

Distance to Mexican border: 1668.7 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 279.3 degrees Distance: 260.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 296.3 degrees Distance: 2190.4 km

No land mobile station failures found

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 BNPDTL20100421ABO CP, scenario 1 **(Displaced by WBPI-CD.)**
****IX: 68.30% interference**

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

INTERFERENCE ANALYSIS FOR WWME-CD BASELINE FACILITY WITH RESPECT TO W19DO-D AND WCZC-LD

| | | | | | | | |
|----------------|------------|-----------------|---------|-------------------|----------------|-------------------|----------------|
| Desired: | W19DO-D | D19 | LD | CP | AUGUSTA, GA | BNPDTL20100421ABO | |
| Undesireds: | WBPI-CD | D19 | DC | BL | AUGUSTA, GA | DTVBL17464 | 30.4 km |
| | WGCL-TV | D19 | DT | LIC | ATLANTA, GA | BLCDT20060113ACO | 195.3 |
| | W19DW-D | D19 | LD | APP | COLUMBUS, GA | BLANK0000015603 | 278.2 |
| | WSOC-TV | D19 | DT | CP | CHARLOTTE, NC | BLANK0000025119 | 243.1 |
| | WLOW-LP | N19- | TX | LIC | BEAUFORT, SC | BLTT20000302AAU | 186.1 |
| | WDXA-LD | D19 | LD | CP | Charleston, SC | BLANK0000009743 | 211.2 |
| | WCSC-TV | D19 | DT | CP | CHARLESTON, SC | BLANK0000025160 | 246.5 |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX |
| 1300.8 352,849 | | 1257.2 341,959 | | 1090.3 298,016 | | 361.2 94,482 | 66.88 68.30 |
| Undesired | | Total IX | | Unique IX, before | | Unique IX, after | |
| WBPI-CD | D19 DC BL | 887.0 | 243,857 | | | 729.2 | 203,534 |
| WGCL-TV | D19 DT LIC | 164.8 | 42,988 | 150.9 | 34,776 | 7.9 | 3,620 |
| WSOC-TV | D19 DT CP | 11.9 | 7,260 | 1.0 | 0 | 0.0 | 0 |
| WCSC-TV | D19 DT CP | 10.9 | 9,157 | 0.0 | 0 | 0.0 | 0 |

Interference to BLDTL20150112ACR LIC, scenario 1 (Displaced by WBPI-CD.)
****IX: 27.36% interference**

| | | | | | | | |
|---------------|-----------|-----------------|---------|-------------------|----------------|--------------------|----------------|
| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
| | WCZC-LD | D20 | LD | LIC | AUGUSTA, GA | BLDTL20150112ACR | |
| Undesireds: | WBPI-CD | D19 | DC | BL | AUGUSTA, GA | DTVBL17464 | 32.4 km |
| | W19DO-D | D19 | LD | CP | AUGUSTA, GA | BNPDTL20100421ABO | 19.8 |
| | W20DO-D | D20 | LD | APP | ALBANY, GA | BLANK0000013697 | 276.1 |
| | W20CY | D20 | LD | CP | TIFTON, GA | BDFCDTL20091118AGP | 241.8 |
| | WUNF-TV | D20 | DD | CP | ASHEVILLE, NC | BLANK0000029742 | 214.7 |
| | WCBD-TV | D20 | DT | CP | CHARLESTON, SC | BLANK0000027798 | 236.0 |
| | WBSE-LP | D20 | LD | LIC | CHARLESTON, SC | BLANK0000001416 | 226.2 |
| | WDRF-LD | D21 | LD | LIC | Columbia, SC | BLANK0000004257 | 45.7 |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX |
| 743.9 256,731 | | 673.4 222,655 | | 513.6 150,210 | | 434.2 109,119 | 15.46 27.36 |
| Undesired | | Total IX | | Unique IX, before | | Unique IX, after | |
| WBPI-CD | D19 DC BL | 200.5 | 101,489 | | | 79.4 | 41,091 |
| W19DO-D | D19 LD CP | 43.7 | 22,641 | 6.0 | 1,490 | 5.0 | 972 |
| WUNF-TV | D20 DD CP | 148.9 | 67,048 | 99.3 | 40,139 | 12.9 | 1,085 |
| WCBD-TV | D20 DT CP | 16.9 | 9,665 | 5.0 | 3,907 | 2.0 | 615 |