

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Purvis30d15kwTUA200T, Model: Longley-Rice

Start: 2021.06.22 17:49:59

Study created: 2021.06.22 17:49:59

Study build station data: LMS TV 2021-06-21

Proposal: W49DY-D D30 LD APP PURVIS, MS

Facility ID: 186322

Station data: User record

Record ID: 289

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 | DWSTY-LP | N23- | TX | APP | HAMMOND, LA | BLTTTL19990104JE | 126.2 km |
| No | WFBD | D29 | DT | LIC | DESTIN, FL | BLANK0000131443 | 252.4 |
| No | K29LR-D | D29 | LD | LIC | BATON ROUGE, LA | BLANK0000103483 | 204.1 |
| No | WVUE-DT | D29 | DT | CP | NEW ORLEANS, LA | BLANK0000127677 | 143.9 |
| No | WVUE-DT | D29 | DT | LIC | NEW ORLEANS, LA | BLCDDT20110502AEC | 143.9 |
| No | W29EY-D | D29 | LD | LIC | COLUMBIA, MS | BLANK0000125050 | 46.3 |
| No | WIAT | D30 | DT | LIC | BIRMINGHAM, AL | BLCDDT20021219AAV | 353.9 |
| No | WGIQ | D30 | DT | LIC | LOUISVILLE, AL | BLANK0000067031 | 378.2 |
| No | WEIQ | D30 | DT | LIC | MOBILE, AL | BLANK0000111746 | 150.6 |
| No | W30EL-D | D30 | LD | CP | MONTGOMERY, AL | BLANK0000071793 | 323.9 |
| No | WGBP-TV | D30 | DT | LIC | OPELIKA, AL | BLCDDT20140827ABB | 451.6 |
| No | W45DJ-D | D30 | LD | CP | PANAMA CITY, FL | BLANK0000123144 | 358.3 |
| No | W30CY-D | D30 | LD | CP | PONCE DE LEON, FL | BNPDTL20090825AUT | 329.6 |
| No | K30QG-D | D30 | LD | LIC | ALEXANDRIA, LA | BLANK0000086776 | 292.6 |
| No | WLFT-CD | D30 | DC | LIC | BATON ROUGE, LA | BLDTA20110912ACB | 182.4 |
| No | KFOL-CD | D30 | DC | LIC | HOUMA, LA | BLDTA20100111AGW | 213.5 |
| No | K30QV-D | D30 | LD | CP | IOWA, LA | BLANK0000150000 | 375.6 |
| No | KXKW-LD | D30 | LD | CP | LAFAYETTE, LA | BLANK0000053054 | 263.7 |

| | | | | | | | |
|----|---------|-----|----|-----|------------------|-------------------|-------|
| No | W30DV-D | D30 | LD | CP | AUBURN, MS | BNPDTL20100510AFY | 354.4 |
| No | W30ES-D | D30 | LD | CP | COLUMBUS, MS | BNPDTL20100507ACM | 282.0 |
| No | WLBT | D30 | DT | LIC | JACKSON, MS | BLCDT20100119AEE | 152.7 |
| No | WMC-TV | D30 | DT | APP | MEMPHIS, TN | BLANK00000127522 | 449.6 |
| No | WNCF | D31 | DT | LIC | MONTGOMERY, AL | BLANK00000001319 | 268.9 |
| No | W48DW-D | D31 | LD | CP | BATON ROUGE, LA | BLANK00000129698 | 186.3 |
| No | KNOV-CD | D31 | DC | LIC | NEW ORLEANS, LA | BLANK00000087428 | 149.0 |
| No | W31FB-D | D31 | LD | CP | Eastabutchie, MS | BLANK00000145147 | 34.9 |
| No | WGBC | D31 | DT | CP | MERIDIAN, MS | BLANK00000035926 | 145.8 |
| No | WGBC | D31 | DT | LIC | MERIDIAN, MS | BLCDT20071024AAK | 145.8 |
| No | WGUD-LD | D31 | LD | CP | PASCAGOULA, MS | BLANK00000054757 | 109.9 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30
Mask: Stringent
Latitude: 31 8 50.30 N (NAD83)
Longitude: 89 21 56.00 W
Height AMSL: 95.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: DIE-TUA (ID 120649) 200.0 deg
Elev Pattn: Generic

50.3 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---------|----------|-------|----------|
| 0.0 deg | 0.037 kW | 3.7 m | 7.7 km |
| 45.0 | 0.037 | 17.5 | 7.7 |
| 90.0 | 0.078 | 13.6 | 9.3 |
| 135.0 | 0.333 | 25.0 | 13.2 |
| 180.0 | 10.9 | 10.7 | 28.5 |
| 225.0 | 9.01 | 4.2 | 27.7 |
| 270.0 | 0.138 | -8.3 | 10.6 |
| 315.0 | 0.078 | 5.4 | 9.3 |

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 9 m

Distance to Canadian border: 1313.2 km

Distance to Mexican border: 934.9 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 54.0 degrees Distance: 529.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 309.3 degrees Distance: 1741.2 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
9.31% interference received

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|-------------|------------------|----------|
| Desired: | W49DY-D | D30 | LD | APP | PURVIS, MS | | |
| Undesireds: | WEIQ | D30 | DT | LIC | MOBILE, AL | BLANK0000111746 | 150.6 km |
| | WLBT | D30 | DT | LIC | JACKSON, MS | BLCDT20100119AEE | 152.7 |

| | Service area | | Terrain-limited | | IX-free | | Percent IX |
|-----------|--------------|--------|-----------------|----------|---------|-----------|-----------------|
| | 849.1 | 14,334 | 834.8 | 14,249 | 723.7 | 12,923 | 13.31 9.31 |
| Undesired | | | | Total IX | | Unique IX | Prcnt Unique IX |

| | | | | | | | | | |
|------|-----|----|-----|------|-------|------|-----|------|------|
| WEIQ | D30 | DT | LIC | 39.7 | 730 | 15.3 | 250 | 1.83 | 1.75 |
| WLBT | D30 | DT | LIC | 95.9 | 1,076 | 71.4 | 596 | 8.55 | 4.18 |