



Kessler and Gehman Associates
Consultants • Broadcast • Wireless

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Study build station data: LMS TV 2023-08-24

Proposal: WFIQ D22 DT APP FLORENCE, AL
File number: WFIQ (New Antenna)
Facility ID: 715
Station data: User record
Record ID: 3392
Country: U.S.
Zone: II

Build options:
Protect pre-transition records not on baseline channel

Search options:
Non-U.S. records included
Baseline record excluded if station has CP

Stations potentially affected by proposal:

| IX | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-----|---------|------|-----|--------|-----------------|------------------|----------|
| Yes | WTTO | D21 | DT | LIC | HOMEWOOD, AL | BLANK0000192390 | 151.2 km |
| No | WJKT | D21 | DT | LIC | JACKSON, TN | BLANK0000114687 | 180.1 |
| No | WUXP-TV | D21 | DT | LIC | NASHVILLE, TN | BLANK0000159943 | 207.7 |
| Yes | WCOV-TV | D22 | DT | LIC | MONTGOMERY, AL | BLANK0000115937 | 326.2 |
| No | KATV | D22 | DT | LIC | LITTLE ROCK, AR | BLANK0000212657 | 430.7 |
| Yes | WHSG-TV | D22 | DT | LIC | MONROE, GA | BLANK0000081582 | 328.2 |
| No | WTVW | D22 | DT | LIC | EVANSVILLE, IN | BLANK0000087257 | 384.9 |
| No | KMCT-TV | D22 | DT | LIC | WEST MONROE, LA | BLANK0000063151 | 465.3 |
| Yes | WHLT | D22 | DT | LIC | HATTIESBURG, MS | BLANK0000068599 | 377.8 |
| Yes | WCTE | D22 | DT | LIC | COOKEVILLE, TN | BLEDT20110413ACS | 283.5 |
| No | WOIL-CD | D23 | DC | LIC | TALLADEGA, AL | BLANK0000110450 | 194.7 |

| | | | | | | | |
|----|---------|-----|----|-----|--------------------------|------------------|-------|
| No | WVUA-CD | D23 | DC | LIC | TUSCALOOSA/NORTHPORT, AL | BLANK00000202527 | 159.7 |
| No | WFLI-TV | D23 | DT | LIC | CLEVELAND, TN | BLANK00000093785 | 234.0 |
| No | WTWV | D23 | DT | LIC | MEMPHIS, TN | BLANK00000048888 | 198.2 |
| No | WJDE-CD | D23 | DC | LIC | NASHVILLE, TN | BLANK00000096454 | 206.4 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D22
 Latitude: 34 34 41.00 N (NAD83)
 Longitude: 87 47 2.00 W
 Height AMSL: 430.8 m
 HAAT: 208.3 m
 Peak ERP: 419 kW
 Antenna: TFU-23JTH/VP-R 04 0.0 deg
 Elev Pattn: Generic
 Elec Tilt: 0.75

39.6 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---------|--------|---------|----------|
| 0.0 deg | 419 kW | 213.8 m | 81.0 km |
| 45.0 | 419 | 231.9 | 82.5 |
| 90.0 | 419 | 223.7 | 81.8 |
| 135.0 | 419 | 180.4 | 78.5 |
| 180.0 | 419 | 195.9 | 79.7 |
| 225.0 | 419 | 217.9 | 81.4 |
| 270.0 | 419 | 195.1 | 79.6 |
| 315.0 | 419 | 207.7 | 80.6 |

Distance to Canadian border: 906.0 km

Distance to Mexican border: 1296.5 km

Conditions at FCC monitoring station: Powder Springs GA
 Bearing: 104.9 degrees Distance: 292.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 296.9 degrees Distance: 1656.0 km

Study cell size: 2.00 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%

Proposal causes no interference to BLANK0000192390 LIC
Proposal causes no interference to BLANK0000115937 LIC
Proposal causes no interference to BLANK0000081582 LIC
Proposal causes no interference to BLANK0000068599 LIC
Proposal causes no interference to BLEDT20110413ACS LIC

---- Below is IX received by proposal WFIQ (New Antenna) ----

Proposal receives 0.87% interference from scenario 1
No IX check failures found.