

FI 186835 W22EP-D  
Starkvillle,MS

Minor Change: Change ASR to 1039896, reduce ERP, change antenna.  
Controlled access site, no new construction.

Study created: 2022.07.13 12:18:12

Study build station data: LMS TV 2022-07-07

Proposal: W22EP-D D22 LD CP STARKVILLE, MS  
File number: ASR 1039896 100 w  
Facility ID: 186835  
Station data: User record  
Record ID: 998  
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 | DW15CG    | N15- | TX  | APP    | PONTOTOC, MS             | BLTTL20050308ABV  | 88.7 km  |
| No | WTTO      | D21  | DT  | LIC    | HOMEWOOD, AL             | BLANK0000192390   | 181.7    |
| No | WAPT      | D21  | DT  | LIC    | JACKSON, MS              | BLCDT20081126ALZ  | 193.1    |
| No | W21EC-D   | D21  | LD  | CP     | TUPELO, MS               | BLANK0000194470   | 92.7     |
| No | WJKT      | D21  | DT  | LIC    | JACKSON, TN              | BLANK0000114687   | 262.1    |
| No | WDNM-LD   | D21  | LD  | LIC    | MEMPHIS, TN              | BLDTL20110105ABL  | 211.8    |
| No | WFIQ      | D22  | DT  | LIC    | FLORENCE, AL             | BLEDT20060718ACG  | 154.7    |
| No | WCOV-TV   | D22  | DT  | LIC    | MONTGOMERY, AL           | BLANK0000115937   | 293.5    |
| No | WEEL-LD   | D22  | LD  | CP     | TUSCALOOSA, AL           | BLANK0000178484   | 73.8     |
| No | WSWH-LD   | D22  | LD  | LIC    | TUSCALOOSA, AL           | BLANK0000074562   | 181.7    |
| No | KJNE-LD   | D22z | LD  | LIC    | JONESBORO, AR            | BLANK0000055090   | 322.6    |
| No | KATV      | D22  | DT  | LIC    | LITTLE ROCK, AR          | BLANK0000149936   | 373.8    |
| No | WCTU-LD   | D22  | LD  | LIC    | PENSACOLA, FL            | BLANK0000189389   | 359.9    |
| No | WCTU-LD   | D22  | LD  | CP     | PENSACOLA, FL            | BLANK0000150184   | 359.9    |
| No | W22EC-D   | D22  | LD  | APP    | LA GRANGE, GA            | BLANK0000193290   | 345.4    |
| No | W22EC-D   | D22  | LD  | CP     | LA GRANGE, GA            | BMPDTL20110721ABG | 335.5    |
| No | WHSB-TV   | D22  | DT  | LIC    | MONROE, GA               | BLANK0000081582   | 409.2    |
| No | WTNO-LP   | D22  | DC  | LIC    | NEW ORLEANS, LA          | BLANK0000001586   | 407.5    |
| No | WTNO-LP   | D22  | DC  | CP     | NEW ORLEANS, LA          | BLANK0000158333   | 407.5    |
| No | KMCT-TV   | D22  | DT  | LIC    | WEST MONROE, LA          | BLANK0000063151   | 332.3    |
| No | WHLT      | D22  | DT  | LIC    | HATTIESBURG, MS          | BLANK0000068599   | 231.4    |
| No | WEBU-LD   | D22+ | LD  | LIC    | Water Valley, MS         | BLANK0000178369   | 144.8    |
| No | WCKV-LD   | D22  | LD  | LIC    | CLARKSVILLE, TN          | BLANK0000112506   | 365.4    |
| No | WCTE      | D22  | DT  | LIC    | COOKEVILLE, TN           | BLEDT20110413ACS  | 435.0    |
| No | WCTD-LD   | D22  | LD  | LIC    | DUCKTOWN, TN             | BLANK0000185309   | 424.1    |
| No | DDWJTD-LP | D22z | LD  | APP    | JACKSON, TN              | BLANK0000054279   | 246.2    |
| No | WDNM-LD   | D22  | LD  | CP     | MEMPHIS, TN              | BLANK0000170012   | 215.9    |
| No | WVUA-CD   | D23  | DC  | LIC    | TUSCALOOSA/NORTHPORT, AL | BLANK0000001646   | 120.6    |
| No | WWJX      | D23  | DT  | LIC    | JACKSON, MS              | BLCDT20110824ABD  | 213.7    |
| No | W23FD-D   | D23  | LD  | CP     | STARKVILLE, MS           | BLANK0000071801   | 0.6      |
| No | WTWV      | D23  | DT  | LIC    | MEMPHIS, TN              | BLANK0000048888   | 218.2    |
| No | WLMS-LD   | N25z | TX  | LIC    | COLUMBUS, MS             | BLTT20031126AOI   | 35.8     |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D22  
Mask: Simple  
Latitude: 33 26 56.40 N (NAD83)  
Longitude: 88 45 58.30 W

Height AMSL: 119.5 m (Adjusted based on actual ground elevation calculation)  
HAAT: 0.0 m  
Peak ERP: 0.100 kW  
Antenna: SBP-UPSL (ID 100733) 270.0 deg  
Elev Pattn: Generic

49.6 dBu contour:

| Azimuth | ERP      | HAAT   | Distance |
|---------|----------|--------|----------|
| 0.0 deg | 0.000 kW | 33.9 m | 2.3 km   |
| 45.0    | 0.000    | 45.5   | 2.3      |
| 90.0    | 0.000    | 50.4   | 2.3      |
| 135.0   | 0.000    | 37.9   | 2.3      |
| 180.0   | 0.000    | 29.4   | 2.3      |
| 225.0   | 0.023    | 30.5   | 7.2      |
| 270.0   | 0.100    | 26.7   | 10.3     |
| 315.0   | 0.023    | 36.2   | 7.8      |

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 36 m

Distance to Canadian border: 1059.4 km

Distance to Mexican border: 1143.8 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 81.9 degrees Distance: 376.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 301.6 degrees Distance: 1638.4 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%

---- Below is IX received by proposal ASR 1039896 100 w ----

Proposal receives 54.88% interference from scenario 1  
No IX check failures found.

**W18EX-D/W17DV-D.C**

0000071826

Latitude: 33-26-58 N

Longitude: 088-46-23 W

ERP: 15.00 kW

Channel: 18

Frequency: 497.0 MHz

AMSL Height: 206.7 m

Elevation: 106.7 m

Horiz. Pattern: Omni

Vert. Pattern: Yes

Elec Tilt: 0.75

Prop Model: Longley-Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 311.0


Receiver Ht AG: 10.0 m

Receiver Gain: 0 dB

Time Variability: 90.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

 Line of Sight