

**Note:**  
**Study cell size: 1.00 km**  
**Profile point spacing: 0.10 km**

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: W44DR\_Ch29\_Omni\_Hgt\_Pre, Model: Longley-Rice  
Start: 2019.04.18 10:54:00

Study created: 2019.04.18 10:54:00

Study build station data: LMS TV 2019-04-18

Proposal: W44DR-D D29 LD APP GREENVILLE, MS  
File number: W44DR\_Ch29\_Omni\_Hgt  
Facility ID: 188789  
Station data: User record  
Record ID: 848  
Country: U.S.

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

Search options:  
Baseline record excluded if station has CP

Stations potentially affected by proposal:

| IX  | Call    | Chan | Svc | Status | City, State     | File Number       | Distance |
|-----|---------|------|-----|--------|-----------------|-------------------|----------|
| No  | KARZ-TV | D28  | DT  | CP     | LITTLE ROCK, AR | BLANK0000062880   | 203.7 km |
| No  | K28MD-D | D28  | LD  | CP     | MONROE, LA      | BNPDTL20100510AEE | 149.4    |
| No  | WMAW-TV | D28  | DT  | CP     | MERIDIAN, MS    | BLANK0000026608   | 230.4    |
| No  | WREG-TV | D28  | DT  | LIC    | MEMPHIS, TN     | BLCDT20050513AAE  | 224.1    |
| No  | WBRC    | D29  | DT  | CP     | BIRMINGHAM, AL  | BLANK0000034162   | 392.2    |
| No  | WBIH    | D29  | DT  | LIC    | SELMA, AL       | BLCDT20090619AAY  | 402.4    |
| No  | W29DT-D | D29  | LD  | LIC    | TUSCALOOSA, AL  | BLDTL20140304ADJ  | 273.2    |
| No  | KZTE-LD | D29  | LD  | CP     | FULTON, AR      | BLANK0000054183   | 282.9    |
| No  | KWMO-LD | D29  | LD  | CP     | HOT SPRINGS, AR | BLANK0000052513   | 203.7    |
| No  | KWOG    | D29  | DT  | LIC    | SPRINGDALE, AR  | BLANK0000049027   | 427.9    |
| No  | K47NC-D | D29  | LD  | CP     | LAFAYETTE, LA   | BLANK0000051599   | 345.1    |
| No  | K45IM-D | D29  | LD  | CP     | MONROE, LA      | BLANK0000054924   | 130.2    |
| No  | WVUE-DT | D29  | DT  | LIC    | NEW ORLEANS, LA | BLCDT20110502AEC  | 398.9    |
| No  | K29LK-D | D29+ | LD  | LIC    | Springfield, MO | BLANK0000063015   | 387.8    |
| No  | W45AA-D | D29  | LD  | CP     | COLUMBIA, MS    | BLANK0000053265   | 264.7    |
| Yes | WKNO    | D29  | DT  | LIC    | MEMPHIS, TN     | BLCDT20060627ABE  | 222.0    |
| No  | KITU-TV | D29  | DT  | LIC    | BEAUMONT, TX    | BLANK0000063643   | 451.7    |
| No  | KFXL-LD | D29  | LD  | LIC    | LUFKIN, TX      | BLDTL20121127ADL  | 418.8    |
| No  | K30NH-D | D30  | LD  | CP     | EL DORADO, AR   | BNPDTL20101020AAQ | 156.5    |
| No  | KLRT-TV | D30  | DT  | LIC    | LITTLE ROCK, AR | BLCDT20020507AAK  | 203.7    |
| No  | WLBT    | D30  | DT  | LIC    | JACKSON, MS     | BLCDT20100119AEE  | 147.4    |

Non-directional AM stations within 0.8 km:  
WGVM 1260 L ND2 D GREENVILLE, MS BL20141211ACI  
WGVM 1260 L ND2 N GREENVILLE, MS BL20141211ACI

Directional AM stations within 3.2 km:  
WNIX 1330 X GREENVILLE, MS BESTA20121205ADO  
WNIX 1330 X GREENVILLE, MS BESTA20130717AOW

Record parameters as studied:

Channel: D29  
Mask: Full Service  
Latitude: 33 25 24.90 N (NAD83)  
Longitude: 91 1 41.70 W  
Height AMSL: 127.1 m  
HAAT: 0.0 m  
Peak ERP: 15.0 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic

50.2 dBu contour:  
Azimuth ERP HAAT Distance

|         |         |        |         |
|---------|---------|--------|---------|
| 0.0 deg | 15.0 kW | 88.3 m | 42.1 km |
| 45.0    | 15.0    | 90.0   | 42.4    |
| 90.0    | 15.0    | 90.4   | 42.4    |
| 135.0   | 15.0    | 92.9   | 42.7    |
| 180.0   | 15.0    | 92.3   | 42.7    |
| 225.0   | 15.0    | 89.1   | 42.2    |
| 270.0   | 15.0    | 91.2   | 42.5    |
| 315.0   | 15.0    | 89.3   | 42.3    |

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 90 m

Distance to Canadian border: 1169.6 km

Distance to Mexican border: 1004.2 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 83.5 degrees    Distance: 585.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 304.6 degrees    Distance: 1464.1 km

Study cell size: 1.00 km  
Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%  
Maximum new IX to LPTV: 2.00%

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Interference to BLEDT20060627ABE LIC scenario 1

|                    | Call      | Chan            | Svc       | Status          | City, State       | File Number          | Distance       |
|--------------------|-----------|-----------------|-----------|-----------------|-------------------|----------------------|----------------|
| Desired:           | WKNO      | D29             | DT        | LIC             | MEMPHIS, TN       | BLEDT20060627ABE     |                |
| Undesireds:        | W44DR-D   | D29             | LD        | APP             | GREENVILLE, MS    | W44DR_Ch29_Omni_Hgt  | 222.0 km       |
|                    | WREG-TV   | D28             | DT        | LIC             | MEMPHIS, TN       | BLCDT20050513AAE     | 3.1            |
|                    | WBRC      | D29             | DT        | CP              | BIRMINGHAM, AL    | BLANK0000034162      | 333.6          |
| Service area       |           | Terrain-limited |           | IX-free, before |                   | IX-free, after       | Percent New IX |
| 30784.1            | 1,646,039 | 30473.0         | 1,639,118 | 30324.5         | 1,635,146         | 30300.4    1,633,350 | 0.08    0.11   |
| Undesired          |           |                 |           | Total IX        | Unique IX, before | Unique IX, after     |                |
| W44DR-D D29 LD APP |           |                 |           | 24.1    1,796   |                   | 24.1    1,796        |                |
| WREG-TV D28 DT LIC |           |                 |           | 5.0    82       | 5.0    82         | 5.0    82            |                |
| WBRC D29 DT CP     |           |                 |           | 143.5    3,890  | 143.5    3,890    | 143.5    3,890       |                |

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Interference to proposal scenario 1

|              | Call    | Chan            | Svc    | Status  | City, State    | File Number         | Distance |
|--------------|---------|-----------------|--------|---------|----------------|---------------------|----------|
| Desired:     | W44DR-D | D29             | LD     | APP     | GREENVILLE, MS | W44DR_Ch29_Omni_Hgt |          |
| Service area |         | Terrain-limited |        | IX-free | Percent IX     |                     |          |
| 5676.0       | 87,020  | 5676.0          | 87,020 | 5676.0  | 87,020         | 0.00    0.00        |          |