

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: monroe12d3kwincsam160at10f, Model: Longley-Rice

Start: 2021.08.31 13:25:32

Study created: 2021.08.31 13:25:31

Study build station data: LMS TV 2021-08-31

Proposal: K12XQ-D D12 LD LIC MONROE, LA

Facility ID: 186645

Station data: User record

Record ID: 968

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 | KMLU    | D11  | DT  | LIC    | COLUMBIA, LA        | BLCDT20121106AAT | 15.1 km  |
| No | KTHV    | D12  | DT  | LIC    | LITTLE ROCK, AR     | BLANK0000150693  | 302.0    |
| No | WPRQ-LD | D12  | LD  | LIC    | CLARKSDALE, MS      | BLANK0000084343  | 276.6    |
| No | WJTV    | D12  | DT  | LIC    | JACKSON, MS         | BLCDT20111014ABR | 167.5    |
| No | KBMT    | D12  | DT  | CP     | BEAUMONT, TX        | BLANK0000035665  | 266.9    |
| No | KBMT    | D12  | DT  | LIC    | BEAUMONT, TX        | BLCDT20090610ACH | 266.9    |
| No | KAMU-TV | D12  | DT  | LIC    | COLLEGE STATION, TX | BLEDT20030319AFB | 427.6    |
| No | KETG    | D13  | DT  | LIC    | ARKADELPHIA, AR     | BLEDT20100308ACO | 219.5    |
| No | WBRZ-TV | D13  | DT  | LIC    | BATON ROUGE, LA     | BLCDT20110420ABI | 220.6    |
| No | KLTM-TV | D13  | DT  | LIC    | MONROE, LA          | BLEDT20090619ABS | 15.1     |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D12

Mask: Stringent  
Latitude: 32 5 43.00 N (NAD83)  
Longitude: 92 10 34.30 W  
Height AMSL: 52.8 m  
HAAT: 0.0 m  
Peak ERP: 3.00 kW  
Antenna: SAM-SAM-160 (ID 1005900) 10.0 deg  
Elev Pattn: Generic

48.0 dBu contour:

| Azimuth | ERP     | HAAT  | Distance |
|---------|---------|-------|----------|
| 0.0 deg | 2.82 kW | 3.2 m | 28.6 km  |
| 45.0    | 1.31    | 23.3  | 24.7     |
| 90.0    | 0.003   | 19.7  | 5.4      |
| 135.0   | 0.017   | -1.1  | 8.6      |
| 180.0   | 0.051   | 9.6   | 11.4     |
| 225.0   | 0.036   | 15.8  | 10.5     |
| 270.0   | 0.003   | 9.0   | 5.4      |
| 315.0   | 0.203   | 10.4  | 15.7     |

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 11 m

Distance to Canadian border: 1352.0 km

Distance to Mexican border: 821.7 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 72.2 degrees    Distance: 721.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 311.0 degrees    Distance: 1469.8 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 proposal scenario 1  
32.38% interference received

|             | Call    | Chan | Svc | Status | City, State  | File Number       | Distance |
|-------------|---------|------|-----|--------|--------------|-------------------|----------|
| Desired:    | K12XQ-D | D12  | LD  | LIC    | MONROE, LA   |                   |          |
| Undesireds: | KMLU    | D11  | DT  | LIC    | COLUMBIA, LA | BLC DT20121106AAT | 15.1 km  |
|             | WJTV    | D12  | DT  | LIC    | JACKSON, MS  | BLC DT20111014ABR | 167.5    |
|             | KBMT    | D12  | DT  | CP     | BEAUMONT, TX | BLANK0000035665   | 266.9    |
|             | KLTM-TV | D13  | DT  | LIC    | MONROE, LA   | BLEDT20090619ABS  | 15.1     |

| Service area     | Terrain-limited  | IX-free          | Percent IX       |
|------------------|------------------|------------------|------------------|
| 812.5      5,812 | 748.1      5,528 | 513.5      3,738 | 31.36      32.38 |

| Undesired   | Total IX | Unique IX      | Prcnt Unique IX |
|---|----------|----------------|-----------------|
| KMLU D11 DT LIC      229.6      1,753      1.0    | 18       | 0.13      0.33 |                 |
| WJTV D12 DT LIC      54.3      252      0.0       | 0        | 0.00      0.00 |                 |
| KLTM-TV D13 DT LIC      233.6      1,772      5.0 | 37       | 0.67      0.67 |                 |