

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
TW Census data selected 2000
Data Base Selected
/space/software/cdbs/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-09-2012 Time: 13:26:32

Record Selected for Analysis

K39CP USERRECORD-01 US
Channel 39 ERP 2. kW HAAT 195. m RCAMSL 00299 m
Latitude 036-48-04 Longitude 0090-27-06
Status APP Zone 2 Border Offset +
Dir Antenna Make CDB Model 00000000017104 Beam tilt N Ref Azimuth 110.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station
Service Class = TX
Maximum height/power limits not checked

| Site number | 1 | | |
|-------------|-------|-------|-------------------|
| Azimuth | ERP | HAAT | 74.0 dBu F(50,50) |
| (Deg) | (kW) | (m) | (km) |
| 0.0 | 0.098 | 169.3 | 5.9 |
| 45.0 | 0.453 | 163.1 | 8.6 |
| 90.0 | 1.642 | 190.4 | 12.6 |
| 135.0 | 1.481 | 195.4 | 12.4 |
| 180.0 | 0.378 | 191.4 | 8.8 |
| 225.0 | 0.076 | 171.0 | 5.5 |
| 270.0 | 0.042 | 152.5 | 4.4 |
| 315.0 | 0.030 | 137.2 | 3.8 |

Contour Overlap Evaluation from LPTV Station to Full Service TV & DTV

Contour overlap to station
WJKT 39 JACKSON TN BLCDT 20050323AER

Contour Overlap Evaluation from LPTV to Full Service TV & DTV Complete

Contour Overlap Evaluation from LPTV Station to LPTV Stations

Station inside contour of station
K39CP 39 POPLAR BLUFF MO BLTT 19930329IE

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

Station
K39CP 39 POPLAR BLUFF MO BLTT19930329IE

Is inside contour of station
K39CP 39 USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

| Channel | Proposed Station Call | City/State | ARN |
|---------|--------------------------|------------|--------------|
| 39 | K39CP | | USERRECORD01 |

Stations Potentially Affected by Proposed Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|------|------------|----------|--------|----------------------|
| 39 | WJKT | JACKSON TN | 165.0 | LIC | BLCDT -20050323AER |

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|------|------------|----------------------|
| 39 | WJKT | JACKSON TN | BLCDT -20050323AER |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|----------------|----------|--------|----------------------|
| 39 | WBIQ | BIRMINGHAM AL | 331.3 | CP MOD | BMPEDT -20110922ACV |
| 39 | KASN | PINE BLUFF AR | 320.2 | LIC | BLCDT -20020904AAF |
| 39 | WAVV-TV | TERRE HAUTE IN | 412.4 | LIC | BLCDT -20090618AAW |
| 39 | KETC | ST. LOUIS MO | 320.5 | LIC | BLEDT -20090804ABV |
| 39 | K39CP | | 165.0 | APP | USERRECORD-01 |

Proposal causes no interference

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Analysis of Interference to Affected Station 2

Analysis of current record

| | | | |
|---------|-------|------------|----------------------|
| Channel | Call | City/State | Application Ref. No. |
| 39 | K39CP | | USERRECORD-01 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|----------------|----------|--------|----------------------|
| 32 | WPSD-TV | PADUCAH KY | 137.6 | LIC | BLCDDT -20040227ABD |
| 39 | K39LS-D | JONESBORO AR | 93.5 | CP | BNPDDL -20100519AAL |
| 39 | KASN | PINE BLUFF AR | 306.9 | LIC | BLCDDT -20020904AAF |
| 39 | KWOG | SPRINGDALE AR | 350.3 | LIC | BLCDDT -20070820ABS |
| 39 | WAWV-TV | TERRE HAUTE IN | 381.3 | LIC | BLCDDT -20090618AAW |
| 39 | KETC | ST. LOUIS MO | 186.9 | LIC | BLEDT -20090804ABV |
| 39 | WJKT | JACKSON TN | 165.0 | LIC | BLCDDT -20050323AER |

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 2
Before Analysis

| | | |
|--------------------------------|--------------|--------------|
| Results for: 39N | USERRECORD01 | APP |
| | POPULATION | AREA (sq km) |
| within Noise Limited Contour | 25080 | 209.1 |
| not affected by terrain losses | 25080 | 209.1 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 605 | 7.8 |
| lost to all IX | 605 | 7.8 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|------------------|--------|-------------|-----|
| 39A AR JONESBORO | BNPDDL | 20100519AAL | CP |
| 39A TN JACKSON | BLCDDT | 20050323AER | LIC |

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