

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Fulton31d15kwF, Model: Longley-Rice

Start: 2021.07.08 09:37:13

Study created: 2021.07.08 09:37:13

Study build station data: LMS TV 2021-07-08

Proposal: KTEQ-LP D31 LD APP FULTON, AR

Facility ID: 130047 (Proposed Digital Companion Channel for this facility)

Station data: User record

Record ID: 475

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 | K30NH-D | D30 | LD | CP | EL DORADO, AR | BNPDTL20101020AAQ | 109.6 km |
| No | KLRT-TV | D30 | DT | LIC | LITTLE ROCK, AR | BLANK0000149904 | 179.3 |
| No | K21OZ-D | N30- | TX | LIC | SHREVEPORT, LA | BLTTL19950412IB | 32.4 |
| No | K30QB-D | D30 | LD | LIC | SHREVEPORT, LA | BLANK0000068681 | 124.5 |
| No | KWBM | D31 | DT | CP | HARRISON, AR | BLANK0000036086 | 350.4 |
| No | KWBM | D31 | DT | LIC | HARRISON, AR | BLCDT20091201ASC | 350.4 |
| No | KPBI-CD | D31 | DC | LIC | WINSLOW, AR | BLANK0000055649 | 283.8 |
| No | KPJO-LD | D31 | LD | LIC | PITTSBURG, KS | BLANK0000080011 | 405.6 |
| Yes | KLAX-TV | D31 | DT | LIC | ALEXANDRIA, LA | BLCDT20090622AGN | 256.4 |
| No | KAGN-CD | D31 | DC | LIC | CROWLEY, LA | BLANK0000001651 | 389.9 |
| No | W31DQ-D | D31 | LD | CP | LAKE CHARLES, LA | BNPDTL20100407ABN | 377.4 |
| No | K31HO-D | D31 | LD | LIC | SHREVEPORT, LA | BLDTL20120831AAD | 105.8 |
| Yes | KOET | D31 | DT | LIC | EUFAULA, OK | BLEDT20060601BJT | 223.8 |
| No | K31MK-D | D31 | LD | CP | LAWTON, OK | BLANK0000143646 | 428.7 |
| No | KOHC-CD | D31 | DC | LIC | OKLAHOMA CITY, OK | BLANK0000071619 | 385.8 |
| No | KLHO-LD | D31 | LD | LIC | OKLAHOMA CITY, OK | BLDTL20110112ADF | 387.0 |
| No | WLMT | D31 | DT | LIC | MEMPHIS, TN | BLCDT20050427ABN | 413.5 |
| No | KUBE-TV | D31 | DT | LIC | BAYTOWN, TX | BLANK0000072353 | 477.1 |
| No | K34LK-D | D31 | LD | APP | BEAUMONT, TX | BLANK0000139375 | 386.3 |
| No | KAZD | D31 | DT | LIC | LAKE DALLAS, TX | BLANK0000125085 | 315.0 |
| No | K31MU-D | D31 | LD | LIC | LINGLEVILLE-CROWLEY, TX | BLDTL20150120AIJ | 355.1 |
| No | K31LQ-D | D31 | LD | LIC | SHERMAN, TX | BLANK0000013869 | 279.8 |
| No | K31PR-D | D31 | LD | CP | TYLER, TX | BLANK0000143886 | 177.2 |
| No | KARK-TV | D32 | DT | LIC | LITTLE ROCK, AR | BLANK0000149977 | 178.8 |

Yes KPXJ D32 DT LIC MINDEN, LA
No non-directional AM stations found within 0.8 km
No directional AM stations found within 3.2 km
Record parameters as studied:

BLANK0000071631

103.6

Channel: D31
Mask: Full Service
Latitude: 33 36 45.40 N (NAD83)
Longitude: 93 48 45.60 W
Height AMSL: 132.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattn: Generic

50.4 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---------|---------|--------|----------|
| 0.0 deg | 15.0 kW | 27.0 m | 29.9 km |
| 45.0 | 15.0 | 37.0 | 31.9 |
| 90.0 | 15.0 | 50.0 | 35.5 |
| 135.0 | 15.0 | 48.0 | 35.0 |
| 180.0 | 15.0 | 56.5 | 37.0 |
| 225.0 | 15.0 | 53.1 | 36.2 |
| 270.0 | 15.0 | 51.3 | 35.8 |
| 315.0 | 15.0 | 50.0 | 35.5 |

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 47 m

Distance to Canadian border: 1314.4 km

Distance to Mexican border: 820.8 km

Conditions at FCC monitoring station: Kingsville TX

Bearing: 210.7 degrees Distance: 788.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 308.8 degrees Distance: 1244.4 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%

Interference to BLCDT20090622AGN LIC scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------------|--------------|---------|-----------------|---------|-------------------|------------------|----------------|
| Desired: | KLAX-TV | D31 | DT | LIC | ALEXANDRIA, LA | BLCDT20090622AGN | |
| Undesireds: | KTEQ-LP | D31 | LD | APP | FULTON, AR | | 256.4 km |
| | KAGN-CD | D31 | DC | LIC | CROWLEY, LA | BLANK0000001651 | 139.1 |
| | WGBC | D31 | DT | CP | MERIDIAN, MS | BLANK00000035926 | 373.6 |
| | KUBE-TV | D31 | DT | LIC | BAYTOWN, TX | BLANK00000072353 | 359.7 |
| | KPXJ | D32 | DT | LIC | MINDEN, LA | BLANK00000071631 | 180.2 |
| | Service area | | Terrain-limited | | IX-free, before | IX-free, after | Percent New IX |
| | 24188.0 | 367,290 | 24159.6 | 367,097 | 24008.6 | 361,487 | 0.00 0.00 |
| Undesired | | | Total IX | | Unique IX, before | Unique IX, after | |
| KTEQ-LP D31 LD APP | | 1.0 | 5 | | 1.0 | 5 | |
| KAGN-CD D31 DC LIC | | 123.7 | 2,188 | | 123.7 | 2,188 | |
| WGBC D31 DT CP | | 2.0 | 0 | | 2.0 | 0 | |
| KUBE-TV D31 DT LIC | | 21.4 | 3,422 | | 21.4 | 3,422 | |
| KPXJ D32 DT LIC | | 4.0 | 0 | | 4.0 | 0 | |

Interference to BLCDT20090622AGN LIC scenario 2

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------------|--------------|---------|-----------------|---------|-------------------|------------------|----------------|
| Desired: | KLAX-TV | D31 | DT | LIC | ALEXANDRIA, LA | BLCDT20090622AGN | |
| Undesireds: | KTEQ-LP | D31 | LD | APP | FULTON, AR | | 256.4 km |
| | KAGN-CD | D31 | DC | LIC | CROWLEY, LA | BLANK0000001651 | 139.1 |
| | WGBC | D31 | DT | LIC | MERIDIAN, MS | BLCDT20071024AAK | 373.6 |
| | KUBE-TV | D31 | DT | LIC | BAYTOWN, TX | BLANK00000072353 | 359.7 |
| | KPXJ | D32 | DT | LIC | MINDEN, LA | BLANK00000071631 | 180.2 |
| | Service area | | Terrain-limited | | IX-free, before | IX-free, after | Percent New IX |
| | 24188.0 | 367,290 | 24159.6 | 367,097 | 24008.6 | 361,487 | 0.00 0.00 |
| Undesired | | | Total IX | | Unique IX, before | Unique IX, after | |
| KTEQ-LP D31 LD APP | | 1.0 | 5 | | 1.0 | 5 | |
| KAGN-CD D31 DC LIC | | 123.7 | 2,188 | | 123.7 | 2,188 | |
| WGBC D31 DT LIC | | 2.0 | 0 | | 2.0 | 0 | |
| KUBE-TV D31 DT LIC | | 21.4 | 3,422 | | 21.4 | 3,422 | |
| KPXJ D32 DT LIC | | 4.0 | 0 | | 4.0 | 0 | |

Interference to BLEDT20060601BJT LIC scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|--------------|------------------|----------|
| Desired: | KOET | D31 | DT | LIC | EUFAULA, OK | BLEDT20060601BJT | |
| Undesireds: | KTEQ-LP | D31 | LD | APP | FULTON, AR | | 223.8 km |
| | KWBM | D31 | DT | CP | HARRISON, AR | BLANK00000036086 | 265.6 |

| | | | | | | |
|--------------------|---------|---------|-----------------|-------------------|------------------|----------------|
| KPBI-CD | D31 | DC | LIC | WINSLOW, AR | BLANK0000055649 | 149.3 |
| KDCU-DT | D31 | DT | APP | DERBY, KS | BLANK0000149881 | 350.3 |
| KOHC-CD | D31 | DC | LIC | OKLAHOMA CITY, OK | BLANK0000071619 | 192.6 |
| KAZD | D31 | DT | LIC | LAKE DALLAS, TX | BLANK0000125085 | 325.3 |
| KRSU-TV | D32 | DT | LIC | CLAREMORE, OK | BLANK0000067907 | 137.5 |
| Service area | | | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
| 34215.9 | 662,059 | 31501.6 | 645,124 | 30831.2 634,469 | 30816.1 634,469 | 0.05 0.00 |
| Undesired | | | Total IX | Unique IX, before | Unique IX, after | |
| KTEQ-LP D31 LD APP | 30.2 | 0 | | 15.1 0 | | |
| KWBM D31 DT CP | 29.1 | 1,847 | 12.0 81 | 11.0 81 | | |
| KPBI-CD D31 DC LIC | 231.9 | 5,783 | 203.8 3,746 | 203.8 3,746 | | |
| KDCU-DT D31 DT APP | 4.0 | 230 | 0.0 0 | 0.0 0 | | |
| KOHC-CD D31 DC LIC | 33.0 | 421 | 15.0 146 | 15.0 146 | | |
| KAZD D31 DT LIC | 390.2 | 502 | 374.2 484 | 360.1 484 | | |
| KRSU-TV D32 DT LIC | 26.3 | 4,132 | 25.3 4,132 | 25.3 4,132 | | |

Interference to BLEDT20060601BJT LIC scenario 2

| Call | Chan | Svc | Status | City, State | File Number | Distance |
|---------------------|---------|---------|-----------------|-------------------|------------------|----------------|
| Desired: KOET | D31 | DT | LIC | EUFAULA, OK | BLEDT20060601BJT | |
| Undesireds: KTEQ-LP | D31 | LD | APP | FULTON, AR | | 223.8 km |
| KWBM | D31 | DT | CP | HARRISON, AR | BLANK0000036086 | 265.6 |
| KPBI-CD | D31 | DC | LIC | WINSLOW, AR | BLANK0000055649 | 149.3 |
| KDCU-DT | D31 | DT | LIC | DERBY, KS | BLCDT20090821AAM | 350.3 |
| KOHC-CD | D31 | DC | LIC | OKLAHOMA CITY, OK | BLANK0000071619 | 192.6 |
| KAZD | D31 | DT | LIC | LAKE DALLAS, TX | BLANK0000125085 | 325.3 |
| KRSU-TV | D32 | DT | LIC | CLAREMORE, OK | BLANK0000067907 | 137.5 |
| Service area | | | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
| 34215.9 | 662,059 | 31501.6 | 645,124 | 30790.9 633,705 | 30775.8 633,705 | 0.05 0.00 |
| Undesired | | | Total IX | Unique IX, before | Unique IX, after | |
| KTEQ-LP D31 LD APP | 30.2 | 0 | | 15.1 0 | | |
| KWBM D31 DT CP | 29.1 | 1,847 | 12.0 81 | 11.0 81 | | |
| KPBI-CD D31 DC LIC | 231.9 | 5,783 | 196.7 3,734 | 196.7 3,734 | | |
| KDCU-DT D31 DT LIC | 60.4 | 1,084 | 40.3 764 | 40.3 764 | | |
| KOHC-CD D31 DC LIC | 33.0 | 421 | 9.0 120 | 9.0 120 | | |
| KAZD D31 DT LIC | 390.2 | 502 | 374.2 484 | 360.1 484 | | |
| KRSU-TV D32 DT LIC | 26.3 | 4,132 | 24.3 4,132 | 24.3 4,132 | | |

Interference to BLEDT20060601BJT LIC scenario 3

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------------|--------------|---------|---------|-----------------|-------------------|------------------|----------------|
| Desired: | KOET | D31 | DT | LIC | EUFAULA, OK | BLEDT20060601BJT | |
| Undesireds: | KTEQ-LP | D31 | LD | APP | FULTON, AR | | 223.8 km |
| | KWBM | D31 | DT | LIC | HARRISON, AR | BLCDT20091201ASC | 265.6 |
| | KPBI-CD | D31 | DC | LIC | WINSLOW, AR | BLANK00000055649 | 149.3 |
| | KDCU-DT | D31 | DT | APP | DERBY, KS | BLANK00000149881 | 350.3 |
| | KOHC-CD | D31 | DC | LIC | OKLAHOMA CITY, OK | BLANK00000071619 | 192.6 |
| | KAZD | D31 | DT | LIC | LAKE DALLAS, TX | BLANK00000125085 | 325.3 |
| | KRSU-TV | D32 | DT | LIC | CLAREMORE, OK | BLANK00000067907 | 137.5 |
| | Service area | | | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
| | 34215.9 | 662,059 | 31501.6 | 645,124 | 30840.2 634,541 | 30825.1 634,541 | 0.05 0.00 |
| Undesired | | | | Total IX | Unique IX, before | Unique IX, after | |
| KTEQ-LP D31 LD APP | | 30.2 | | 0 | | 15.1 0 | |
| KWBM D31 DT LIC | | 3.0 | | 9 | 3.0 9 | 2.0 9 | |
| KPBI-CD D31 DC LIC | | 231.9 | | 5,783 | 219.9 5,512 | 219.9 5,512 | |
| KDCU-DT D31 DT APP | | 4.0 | | 230 | 0.0 0 | 0.0 0 | |
| KOHC-CD D31 DC LIC | | 33.0 | | 421 | 16.0 146 | 16.0 146 | |
| KAZD D31 DT LIC | | 390.2 | | 502 | 374.2 484 | 360.1 484 | |
| KRSU-TV D32 DT LIC | | 26.3 | | 4,132 | 25.3 4,132 | 25.3 4,132 | |

Interference to BLEDT20060601BJT LIC scenario 4

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------------|--------------|---------|---------|-----------------|-------------------|------------------|----------------|
| Desired: | KOET | D31 | DT | LIC | EUFAULA, OK | BLEDT20060601BJT | |
| Undesireds: | KTEQ-LP | D31 | LD | APP | FULTON, AR | | 223.8 km |
| | KWBM | D31 | DT | LIC | HARRISON, AR | BLCDT20091201ASC | 265.6 |
| | KPBI-CD | D31 | DC | LIC | WINSLOW, AR | BLANK00000055649 | 149.3 |
| | KDCU-DT | D31 | DT | LIC | DERBY, KS | BLCDT20090821AAM | 350.3 |
| | KOHC-CD | D31 | DC | LIC | OKLAHOMA CITY, OK | BLANK00000071619 | 192.6 |
| | KAZD | D31 | DT | LIC | LAKE DALLAS, TX | BLANK00000125085 | 325.3 |
| | KRSU-TV | D32 | DT | LIC | CLAREMORE, OK | BLANK00000067907 | 137.5 |
| | Service area | | | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
| | 34215.9 | 662,059 | 31501.6 | 645,124 | 30799.9 633,777 | 30784.8 633,777 | 0.05 0.00 |
| Undesired | | | | Total IX | Unique IX, before | Unique IX, after | |
| KTEQ-LP D31 LD APP | | 30.2 | | 0 | | 15.1 0 | |
| KWBM D31 DT LIC | | 3.0 | | 9 | 3.0 9 | 2.0 9 | |
| KPBI-CD D31 DC LIC | | 231.9 | | 5,783 | 211.8 5,500 | 211.8 5,500 | |
| KDCU-DT D31 DT LIC | | 60.4 | | 1,084 | 40.3 764 | 40.3 764 | |
| KOHC-CD D31 DC LIC | | 33.0 | | 421 | 10.0 120 | 10.0 120 | |

| | | | | | | |
|--------------------|-------|-------|-------|-------|-------|-------|
| KAZD D31 DT LIC | 390.2 | 502 | 374.2 | 484 | 360.1 | 484 |
| KRSU-TV D32 DT LIC | 26.3 | 4,132 | 24.3 | 4,132 | 24.3 | 4,132 |

Interference to BLANK0000071631 LIC scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|--------------------|-----------|-----------------|-----------|-------------------|------------------|----------------|
| Desired: | KPXJ | D32 | DT | LIC | MINDEN, LA | BLANK0000071631 | |
| Undesireds: | KTEQ-LP | D31 | LD | APP | FULTON, AR | | 103.6 km |
| | KLAX-TV | D31 | DT | LIC | ALEXANDRIA, LA | BLCDT20090622AGN | 180.2 |
| | KARK-TV | D32 | DT | LIC | LITTLE ROCK, AR | BLANK0000149977 | 269.7 |
| | WABG-TV | D32 | DT | LIC | GREENWOOD, MS | BLCDT20051024ABR | 325.3 |
| | KPXB-TV | D32 | DT | LIC | CONROE, TX | BLANK0000124635 | 378.0 |
| | KDAF | D32 | DT | LIC | DALLAS, TX | BLCDT20010606ABJ | 283.7 |
| | KLPA-TV | D33 | DT | LIC | ALEXANDRIA, LA | BLANK0000063603 | 180.3 |
| | Service area | | Terrain-limited | | IX-free, before | IX-free, after | Percent New IX |
| | 43817.4 | 1,138,587 | 43541.5 | 1,136,109 | 42033.9 | 1,115,422 | 41881.4 |
| | | | | | 1,114,784 | | 0.36 |
| Undesired | | | Total IX | | Unique IX, before | Unique IX, after | |
| | KTEQ-LP D31 LD APP | 182.2 | 661 | | 152.5 | 638 | |
| | KLAX-TV D31 DT LIC | 4.0 | 4 | 1.0 | 0 | 1.0 | 0 |
| | KARK-TV D32 DT LIC | 777.9 | 9,260 | 423.9 | 4,815 | 394.2 | 4,792 |
| | WABG-TV D32 DT LIC | 500.2 | 5,158 | 145.2 | 798 | 145.2 | 798 |
| | KPXB-TV D32 DT LIC | 65.7 | 381 | 26.3 | 204 | 26.3 | 204 |
| | KDAF D32 DT LIC | 555.2 | 10,471 | 512.8 | 10,205 | 512.8 | 10,205 |
| | KLPA-TV D33 DT LIC | 5.0 | 43 | 1.0 | 39 | 1.0 | 39 |

Interference to BLANK0000071631 LIC scenario 2

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|--------------------|-----------|-----------------|-----------|-------------------|------------------|----------------|
| Desired: | KPXJ | D32 | DT | LIC | MINDEN, LA | BLANK0000071631 | |
| Undesireds: | KTEQ-LP | D31 | LD | APP | FULTON, AR | | 103.6 km |
| | KLAX-TV | D31 | DT | LIC | ALEXANDRIA, LA | BLCDT20090622AGN | 180.2 |
| | KARK-TV | D32 | DT | LIC | LITTLE ROCK, AR | BLANK0000149977 | 269.7 |
| | WABG-TV | D32 | DT | LIC | GREENWOOD, MS | BLCDT20051024ABR | 325.3 |
| | KPXB-TV | D32 | DT | LIC | CONROE, TX | BLANK0000124635 | 378.0 |
| | KDAF | D32 | DT | CP | DALLAS, TX | BLANK0000127581 | 283.7 |
| | KLPA-TV | D33 | DT | LIC | ALEXANDRIA, LA | BLANK0000063603 | 180.3 |
| | Service area | | Terrain-limited | | IX-free, before | IX-free, after | Percent New IX |
| | 43817.4 | 1,138,587 | 43541.5 | 1,136,109 | 41765.1 | 1,109,650 | 41612.6 |
| | | | | | 1,109,012 | | 0.37 |
| Undesired | | | Total IX | | Unique IX, before | Unique IX, after | |
| | KTEQ-LP D31 LD APP | 182.2 | 661 | | 152.5 | 638 | |

| | | | | | | |
|--------------------|-------|--------|-------|--------|-------|--------|
| KLAX-TV D31 DT LIC | 4.0 | 4 | 1.0 | 0 | 1.0 | 0 |
| KARK-TV D32 DT LIC | 777.9 | 9,260 | 423.9 | 4,815 | 394.2 | 4,792 |
| WABG-TV D32 DT LIC | 500.2 | 5,158 | 145.2 | 798 | 145.2 | 798 |
| KPXB-TV D32 DT LIC | 65.7 | 381 | 22.2 | 123 | 22.2 | 123 |
| KDAF D32 DT CP | 828.0 | 16,324 | 781.6 | 15,977 | 781.6 | 15,977 |
| KLPA-TV D33 DT LIC | 5.0 | 43 | 1.0 | 39 | 1.0 | 39 |

Interference to proposal scenario 1

| Call | Chan | Svc | Status | City, State | File Number | Distance |
|------------------|--------|-----------------|--------|-------------|------------------|------------|
| Desired: KTEQ-LP | D31 | LD | APP | FULTON, AR | | |
| Undesireds: KOET | D31 | DT | LIC | EUFAULA, OK | BLEDT20060601BJT | 223.8 km |
| KPXJ | D32 | DT | LIC | MINDEN, LA | BLANK0000071631 | 103.6 |
| Service area | | Terrain-limited | | | IX-free | Percent IX |
| 3786.9 118,907 | 3780.9 | 118,487 | 3733.2 | 117,370 | 1.26 | 0.94 |
| Undesired | | Total IX | | Unique IX | Prcnt Unique IX | |
| KOET D31 DT LIC | 1.0 | 0 | 1.0 | 0 | 0.03 | 0.00 |
| KPXJ D32 DT LIC | 46.7 | 1,117 | 46.7 | 1,117 | 1.24 | 0.94 |