

tvstudy v2.2.5 (V91R41)

Database: localhost, Study: KJJM_ch12_2.5kW, Model: Longley-Rice

Start: 2018.03.24 12:30:07

Study created: 2018.03.24 12:30:07

Study build station data: LMS TV 2018-03-19

Proposal: KJJM-LD D12 LD LIC DALLAS & MESQUITE, TX

File number: BLDL20090319ABX

Facility ID: 26957

Station data: User record

Record ID: 54

Country: U.S.

Build options:

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 | KSWO-TV | D11 | DT | LIC | LAWTON, OK | BLANK0000005143 | 221.8 km |
| No | KUVN-CD | D11 | DC | CP | FORT WORTH, TX | BLANK00000034261 | 14.7 |
| No | K11WJ | N11 | TX | CP | PARIS, TX | BPTVL20120622ADE | 174.1 |
| No | K11WJ | N11z | TX | LIC | PARIS, TX | BLTVL20110825ABY | 169.5 |
| No | KGEB | D12 | DT | CP | TULSA, OK | BLANK00000029672 | 382.2 |
| No | K49HT | D12- | LD | APP | ABILENE, TX | BLANK00000048823 | 162.5 |
| No | KBMT | D12 | DT | APP | BEAUMONT, TX | BLANK00000035665 | 416.9 |
| No | KBMT | D12 | DT | LIC | BEAUMONT, TX | BLCDD20090610ACH | 416.9 |
| Yes | KAMU-TV | D12 | DT | LIC | COLLEGE STATION, TX | BLED20030319AFB | 245.5 |
| No | KSAT-TV | D12 | DT | APP | SAN ANTONIO, TX | BLANK00000035781 | 400.8 |
| No | KSAT-TV | D12 | DT | LIC | SAN ANTONIO, TX | BLCDD20121102ABH | 400.8 |
| Yes | KXII | D12 | DT | LIC | SHERMAN, TX | BLCDD20090226ACF | 146.6 |
| No | KHFD-LD | D13 | LD | CP | DALLAS, TX | BDISDTL20140721ACA | 22.2 |
| No | KAKW-DT | D13 | DT | LIC | KILLEEN, TX | BLCDD20120625ABA | 238.7 |
| No | KJDA-LD | D13 | LD | LIC | SHERMAN, TX | BLANK00000001316 | 146.6 |
| No | K13NY-D | D13 | LD | CP | TYLER, TX | BNPDVL20100611AAB | 178.5 |

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: Full Service

Latitude: 32 44 22.70 N (NAD83)

Longitude: 97 6 43.50 W

Height AMSL: 312.9 m

HAAT: 140.6 m

Peak ERP: 2.50 kW

Antenna: DIE THB-C1 191.0 deg

Elev Pattn: Generic

48.0 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---------|----------|---------|----------|
| 0.0 deg | 0.000 kW | 148.0 m | 1.4 km |
| 45.0 | 0.000 | 155.1 | 1.4 |
| 90.0 | 0.196 | 152.6 | 32.9 |
| 135.0 | 2.10 | 141.7 | 48.8 |
| 180.0 | 1.88 | 119.3 | 45.3 |
| 225.0 | 1.71 | 127.3 | 45.6 |
| 270.0 | 1.24 | 130.2 | 43.7 |
| 315.0 | 0.022 | 152.9 | 20.6 |

Distance to Canadian border: 1599.5 km

Distance to Mexican border: 523.0 km

Conditions at FCC monitoring station: Kingsville TX
 Bearing: 187.4 degrees Distance: 593.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 320.8 degrees Distance: 1094.0 km

Study cell size: 0.50 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%

 Interference to BLEDT20030319AFB LIC scenario 1

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------------|--------------|-----------------|---------|-----------------|-----------------------|-------------------|------------------|
| | KAMU-TV | D12 | DT | LIC | COLLEGE STATION, TX | BLEDT20030319AFB | |
| Undesireds: | KJJM-LD | D12 | LD | LIC | DALLAS & MESQUITE, TX | BLDTL20090319ABX | 245.5 km |
| | KHOU | D11 | DT | LIC | HOUSTON, TX | BLCDDT20120620ACK | 143.7 |
| | KBMT | D12 | DT | APP | BEAUMONT, TX | BLANK0000035665 | 240.6 |
| | KSAT-TV | D12 | DT | APP | SAN ANTONIO, TX | BLANK0000035781 | 238.5 |
| | KTRK-TV | D13 | DT | LIC | HOUSTON, TX | BLCDDT20090612AAS | 142.9 |
| | KAKW-DT | D13 | DT | LIC | KILLEEN, TX | BLCDDT20120625ABA | 157.9 |
| ----- | | | | | | | |
| | Service area | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX |
| 14237.7 | 347,080 | 13455.7 | 340,637 | 12506.5 | 320,806 | 12506.5 320,806 | 0.00 0.00 |
| ----- | | | | | | | |
| Undesired | | | | Total IX | Unique IX, before | | Unique IX, after |
| KJJM-LD D12 LD LIC | 0.5 | | | 4 | 0.0 0 | | 0.0 0 |
| KHOU D11 DT LIC | 44.8 | | | 1,213 | 0.0 0 | | 0.0 0 |
| KBMT D12 DT APP | 693.2 | | | 11,000 | 417.9 5,228 | | 417.7 5,224 |
| KSAT-TV D12 DT APP | 429.7 | | | 11,230 | 205.6 6,844 | | 205.6 6,844 |
| KTRK-TV D13 DT LIC | 117.0 | | | 3,594 | 17.5 632 | | 17.5 632 |
| KAKW-DT D13 DT LIC | 31.4 | | | 1,352 | 10.5 739 | | 10.5 739 |

 Interference to BLEDT20030319AFB LIC scenario 2

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------------|--------------|-----------------|---------|-----------------|-----------------------|-------------------|------------------|
| | KAMU-TV | D12 | DT | LIC | COLLEGE STATION, TX | BLEDT20030319AFB | |
| Undesireds: | KJJM-LD | D12 | LD | LIC | DALLAS & MESQUITE, TX | BLDTL20090319ABX | 245.5 km |
| | KHOU | D11 | DT | LIC | HOUSTON, TX | BLCDDT20120620ACK | 143.7 |
| | KBMT | D12 | DT | LIC | BEAUMONT, TX | BLCDDT20090610ACH | 240.6 |
| | KSAT-TV | D12 | DT | APP | SAN ANTONIO, TX | BLANK0000035781 | 238.5 |
| | KTRK-TV | D13 | DT | LIC | HOUSTON, TX | BLCDDT20090612AAS | 142.9 |
| | KAKW-DT | D13 | DT | LIC | KILLEEN, TX | BLCDDT20120625ABA | 157.9 |
| ----- | | | | | | | |
| | Service area | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX |
| 14237.7 | 347,080 | 13455.7 | 340,637 | 12637.9 | 323,167 | 12637.9 323,167 | 0.00 0.00 |
| ----- | | | | | | | |
| Undesired | | | | Total IX | Unique IX, before | | Unique IX, after |
| KJJM-LD D12 LD LIC | 0.5 | | | 4 | 0.0 0 | | 0.0 0 |
| KHOU D11 DT LIC | 44.8 | | | 1,213 | 0.0 0 | | 0.0 0 |
| KBMT D12 DT LIC | 513.6 | | | 7,747 | 286.5 2,867 | | 286.3 2,863 |
| KSAT-TV D12 DT APP | 429.7 | | | 11,230 | 244.0 7,256 | | 244.0 7,256 |
| KTRK-TV D13 DT LIC | 117.0 | | | 3,594 | 24.8 1,062 | | 24.8 1,062 |
| KAKW-DT D13 DT LIC | 31.4 | | | 1,352 | 10.5 739 | | 10.5 739 |

 Interference to BLEDT20030319AFB LIC scenario 3

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------------|---------|-----------------|-----|-------------------|-----------------------|-------------------|----------------|
| Desired: | KAMU-TV | D12 | DT | LIC | COLLEGE STATION, TX | BLEDT20030319AFB | |
| Undesireds: | KJJM-LD | D12 | LD | LIC | DALLAS & MESQUITE, TX | BLDTL20090319ABX | 245.5 km |
| | KHOU | D11 | DT | LIC | HOUSTON, TX | BLCDDT20120620ACK | 143.7 |
| | KBMT | D12 | DT | APP | BEAUMONT, TX | BLANK0000035665 | 240.6 |
| | KSAT-TV | D12 | DT | LIC | SAN ANTONIO, TX | BLCDDT20121102ABH | 238.5 |
| | KTRK-TV | D13 | DT | LIC | HOUSTON, TX | BLCDDT20090612AAS | 142.9 |
| | KAKW-DT | D13 | DT | LIC | KILLEEN, TX | BLCDDT20120625ABA | 157.9 |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX |
| 14237.7 347,080 | | 13455.7 340,637 | | 12534.2 321,552 | | 12534.2 321,552 | 0.00 0.00 |
| Undesired | | Total IX | | Unique IX, before | | Unique IX, after | |
| KJJM-LD D12 LD LIC | | 0.5 4 | | 0.0 0 | | 0.0 0 | |
| KHOU D11 DT LIC | | 44.8 1,213 | | 0.0 0 | | 0.0 0 | |
| KBMT D12 DT APP | | 693.2 11,000 | | 433.4 5,372 | | 432.9 5,368 | |
| KSAT-TV D12 DT LIC | | 383.3 10,318 | | 177.9 6,098 | | 177.9 6,098 | |
| KTRK-TV D13 DT LIC | | 117.0 3,594 | | 17.8 632 | | 17.8 632 | |
| KAKW-DT D13 DT LIC | | 31.4 1,352 | | 12.0 757 | | 12.0 757 | |

Interference to BLEDT20030319AFB LIC scenario 4

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------------|---------|-----------------|-----|-------------------|-----------------------|-------------------|----------------|
| Desired: | KAMU-TV | D12 | DT | LIC | COLLEGE STATION, TX | BLEDT20030319AFB | |
| Undesireds: | KJJM-LD | D12 | LD | LIC | DALLAS & MESQUITE, TX | BLDTL20090319ABX | 245.5 km |
| | KHOU | D11 | DT | LIC | HOUSTON, TX | BLCDDT20120620ACK | 143.7 |
| | KBMT | D12 | DT | LIC | BEAUMONT, TX | BLCDDT20090610ACH | 240.6 |
| | KSAT-TV | D12 | DT | LIC | SAN ANTONIO, TX | BLCDDT20121102ABH | 238.5 |
| | KTRK-TV | D13 | DT | LIC | HOUSTON, TX | BLCDDT20090612AAS | 142.9 |
| | KAKW-DT | D13 | DT | LIC | KILLEEN, TX | BLCDDT20120625ABA | 157.9 |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX |
| 14237.7 347,080 | | 13455.7 340,637 | | 12670.1 323,913 | | 12670.1 323,913 | 0.00 0.00 |
| Undesired | | Total IX | | Unique IX, before | | Unique IX, after | |
| KJJM-LD D12 LD LIC | | 0.5 4 | | 0.0 0 | | 0.0 0 | |
| KHOU D11 DT LIC | | 44.8 1,213 | | 0.0 0 | | 0.0 0 | |
| KBMT D12 DT LIC | | 513.6 7,747 | | 297.5 3,011 | | 297.0 3,007 | |
| KSAT-TV D12 DT LIC | | 383.3 10,318 | | 211.8 6,510 | | 211.8 6,510 | |
| KTRK-TV D13 DT LIC | | 117.0 3,594 | | 25.1 1,062 | | 25.1 1,062 | |
| KAKW-DT D13 DT LIC | | 31.4 1,352 | | 12.0 757 | | 12.0 757 | |

Interference to BLCDDT20090226ACF LIC scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------------|---------|-------------------|-----|-------------------|-----------------------|-------------------|----------------|
| Desired: | KXII | D12 | DT | LIC | SHERMAN, TX | BLCDDT20090226ACF | |
| Undesireds: | KJJM-LD | D12 | LD | LIC | DALLAS & MESQUITE, TX | BLDTL20090319ABX | 146.6 km |
| | KSWO-TV | D11 | DT | LIC | LAWTON, OK | BLANK0000005143 | 178.0 |
| | KUVN-CD | D11 | DC | CP | FORT WORTH, TX | BLANK0000034261 | 149.0 |
| | KTHV | D12 | DT | LIC | LITTLE ROCK, AR | BLCDDT20041029AIX | 403.4 |
| | KGEB | D12 | DT | CP | TULSA, OK | BLANK0000029672 | 236.4 |
| | KETA-TV | D13 | DT | LIC | OKLAHOMA CITY, OK | BLEDT20140929AOU | 185.0 |
| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | Percent New IX |
| 45872.0 2,303,099 | | 44443.4 2,253,750 | | 43264.3 2,241,691 | | 43252.1 2,232,844 | 0.03 0.39 |
| Undesired | | Total IX | | Unique IX, before | | Unique IX, after | |
| KJJM-LD D12 LD LIC | | 12.1 8,847 | | 12.1 8,847 | | 12.1 8,847 | |
| KSWO-TV D11 DT LIC | | 60.9 553 | | 54.9 517 | | 54.9 517 | |
| KUVN-CD D11 DC CP | | 3.6 1,283 | | 3.6 1,283 | | 3.6 1,283 | |
| KTHV D12 DT LIC | | 27.4 529 | | 4.4 30 | | 4.4 30 | |
| KGEB D12 DT CP | | 1115.0 10,209 | | 1064.8 9,437 | | 1064.8 9,437 | |
| KETA-TV D13 DT LIC | | 22.5 257 | | 1.2 20 | | 1.2 20 | |

Interference to proposal scenario 1
5.37% interference received

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|-----------------------|--------------------|----------|
| Desired: | KJJM-LD | D12 | LD | LIC | DALLAS & MESQUITE, TX | BLDTL20090319ABX | |
| Undesireds: | KUVN-CD | D11 | DC | CP | FORT WORTH, TX | BLANK0000034261 | 14.7 km |
| | KXII | D12 | DT | LIC | SHERMAN, TX | BLCDT20090226ACF | 146.6 |
| | KHFD-LD | D13 | LD | CP | DALLAS, TX | BDISDTL20140721ACA | 22.2 |

| | Service area | Terrain-limited | IX-free | Percent IX |
|--|------------------|------------------|------------------|------------|
| | 3946.9 2,142,325 | 3775.3 2,113,618 | 3336.2 2,000,123 | 11.63 5.37 |

| Undesired | Total IX | Unique IX | Prcnt Unique IX |
|-------------------|--------------|--------------|-----------------|
| KUVN-CD D11 DC CP | 29.5 4,298 | 29.0 4,298 | 0.77 0.20 |
| KXII D12 DT LIC | 173.3 59,486 | 125.4 48,301 | 3.32 2.29 |
| KHFD-LD D13 LD CP | 284.2 60,896 | 236.8 49,711 | 6.27 2.35 |