tvstudy v2.2.5 (4uoc83)
Database: localhost,  Study: LasV6d3kwDirT,  Model: Longley-Rice
Start: 2021.07.01 11:40:07

Study created: 2021.07.01 11:40:07

Study build station data: LMS TV 2021-07-01

    Proposal: KGHD-LP D6 LD APP LAS VEGAS, NV
 Facility ID: 130027
Station data: User record
   Record ID: 419
     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 | K05MR-D | D5 | LD | LIC | BULLHEAD CITY, AZ | BLDTV20130308AAM | 92.7 km |
| No | K06AE-D | D6 | LD | LIC | PRESCOTT, AZ | BLDTV20111114AAT | 300.0 |
| No | KNXT-LP | D6+ | LD | CP | BAKERSFIELD, CA | BLANK0000143215 | 338.5 |
| No | KZNO-LP | N6- | TX | LIC | BIG BEAR LAKE, CA | BLANK0000019005 | 335.4 |
| No | KZNO-LP | N6+ | TX | CP | BIG BEAR LAKE, CA | BLANK0000056235 | 335.4 |
| No | KZNO-LP | N6+ | TX | LIC | BIG BEAR LAKE, CA | BLANK0000079955 | 335.4 |
| No | KZNO-LP | D6- | LD | CP | BIG BEAR LAKE, CA | BLANK0000131428 | 335.4 |
| No | KLOA-LP | D6z | LD | CP | INYOKERN, ETC., CA | BLANK0000149711 | 245.3 |
| No | KLOA-LP | N6z | TX | LIC | INYOKERN, ETC., CA | BLTVL20080516ABV | 256.6 |
| No | KLOA-LP | N6z | TX | CP | INYOKERN, ETC., CA | BPTVL20130318AFK | 245.3 |
| No | K06IQ-D | D6 | LD | LIC | NEWBERRY SPRINGS, CA | BLANK0000004556 | 193.1 |
| No | KCIO-LP | D6- | LD | APP | VICTORVILLE, CA | BLANK0000150743 | 282.5 |
| No | KCIO-LP | N6- | TX | LIC | VICTORVILLE, CA | BLTVL20090428AAP | 282.5 |
| No | KMCF-LD | D6 | LD | CP | VISALIA, CA | BLANK0000106842 | 389.9 |
| No | K06HT-D | D6 | LD | LIC | ELY, NV | BLDTV20111216ABM | 369.1 |
| No | K06PG-D | D6 | LD | LIC | LAUGHLIN, NV | BLDTV20110217ACA | 82.0 |
| No | K06KQ-D | D6 | LD | LIC | MANHATTAN, NV | BLDTV20110531AQP | 339.1 |
| Yes | K06DM-D | D6 | LD | LIC | PANACA, NV | BLDTV20130123ADQ | 175.9 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| No | K06JA-D | D6 | LD | LIC | CEDAR CANYON, UT | BLDTV20090728ABI | 267.7 |
| No | K06KO-D | D6- | LD | LIC | KANARRAVILLE, ETC., UT | BLANK0000109031 | 237.0 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D6
       Mask: Stringent
   Latitude:  35 56 46.00 N (NAD83)
  Longitude: 115  2 37.00 W
Height AMSL: 1355.0 m
       HAAT: 0.0 m
   Peak ERP: 3.00 kW
    Antenna: SCA-CL-46 (ID 115372) 340.0 deg
Elev Pattrn: Generic
```

43.0 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---|---|---|---|
| 0.0 deg | 2.09 kW | 706.6 m | 83.7 km |
| 45.0 | 0.015 | 636.6 | 39.3 |
| 90.0 | 0.000 | 624.4 | 15.6 |
| 135.0 | 0.000 | 741.3 | 16.6 |
| 180.0 | 0.000 | 354.1 | 12.2 |
| 225.0 | 0.000 | 345.2 | 12.0 |
| 270.0 | 0.004 | 524.5 | 26.5 |
| 315.0 | 1.67 | 637.5 | 79.7 |

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m  Computed HAAT: 571 m

Distance to Canadian border: 1450.9 km

Distance to Mexican border: 359.9 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 290.3 degrees  Distance: 628.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 58.6 degrees  Distance: 973.7 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%

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Interference to BLDTV20130123ADQ LIC scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K06DM-D | D6 | LD | LIC | PANACA, NV | BLDTV20130123ADQ | |
| Undesireds: | KGHD-LP | N6z | TX | LIC | LAS VEGAS, NV | BLTVL20130904ABP | 175.9 km |
| | KGHD-LP | D6 | LD | APP | LAS VEGAS, NV | | 175.9 |
| | K05BU-D | N5+ | TX | LIC | ENTERPRISE, UT | BLTTV542 | 66.4 |
| | K06JA-D | D6 | LD | LIC | CEDAR CANYON, UT | BLDTV20090728ABI | 142.7 |

| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New IX | |
|---|---|---|---|---|---|---|---|---|---|
| 1765.9 | 2,530 | 1656.4 | 2,530 | 1634.1 | 2,530 | 1604.6 | 2,530 | 1.80 | 0.00 |

| Undesired | Total IX | | Unique IX, before | | Unique IX, after | |
|---|---|---|---|---|---|---|
| KGHD-LP N6z TX LIC | 7.1 | 0 | 7.1 | 0 | | |
| KGHD-LP D6 LD APP | 42.7 | 0 | | | 36.6 | 0 |
| K06JA-D D6 LD LIC | 15.2 | 0 | 15.2 | 0 | 9.1 | 0 |

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Interference to proposal scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Desired: | KGHD-LP | D6 | LD | APP | LAS VEGAS, NV | | |
| Undesireds: | KLOA-LP | D6z | LD | CP | INYOKERN, ETC., CA | BLANK0000149711 | 245.3 km |
| | KCIO-LP | D6- | LD | APP | VICTORVILLE, CA | BLANK0000150743 | 282.5 |
| | K06PG-D | D6 | LD | LIC | LAUGHLIN, NV | BLDTV20110217ACA | 82.0 |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 6675.8 | 1,898,511 | 6015.5 | 1,898,493 | 5994.4 | 1,898,493 | 0.35 | 0.00 |

| Undesired | | Total IX | | Unique IX | | Prcnt Unique IX | |
|---|---|---|---|---|---|---|---|
| K06PG-D D6 LD LIC | 21.2 | 0 | | 21.2 | 0 | 0.35 | 0.00 |