tvstudy v2.2.5 (4uoc83)
Database: localhost,  Study: Wend8d1kwCL713at90T,  Model: Longley-Rice
Start: 2021.08.13 13:29:11

Study created: 2021.08.13 13:29:11

Study build station data: LMS TV 2021-08-13

    Proposal: K08QM-D D8 LD APP WENDOVER, UT
 Facility ID: 186617
Station data: User record
   Record ID: 372
     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 | KIFI-TV | D8 | DT | LIC | IDAHO FALLS, ID | BLCDT20090612AGO | 315.7 km |
| No | K08EZ-D | D8 | LD | LIC | MINK CREEK, ID | BLDTV20090811ABY | 223.9 |
| No | K08LS-D | D8 | LD | LIC | ELKO, NV | BLDTV20111219ABD | 186.8 |
| No | K08CB-D | D8 | LD | LIC | LUND & PRESTON, NV | BLDTV20100111AAN | 208.8 |
| No | K08NQ-D | D8 | LD | LIC | RYNDON, NV | BLDTV20111219AAV | 180.9 |
| No | K08IO-D | D8 | LD | LIC | WELLS, NV | BLDTV20090716AAB | 133.0 |
| No | K08QA-D | D8 | LD | LIC | AURORA, ETC., UT | BLANK0000145110 | 196.8 |
| No | K08PJ-D | D8 | LD | LIC | CEDAR CITY, UT | BLANK0000105380 | 345.5 |
| No | DDK51GG | D8 | LD | APP | DELTA, OAK CITY, ETC, UT | BLANK0000054580 | 180.6 |
| No | K08QF-D | D8 | LD | LIC | EAST PRICE, UT | BLANK0000093963 | 258.7 |
| No | K08QG-D | D8 | LD | LIC | HELPER, UT | BLANK0000093956 | 252.5 |
| No | K08PW-D | D8 | LD | LIC | LAKETOWN, ETC., UT | BLANK0000093381 | 225.2 |
| No | K08PF-D | D8 | LD | LIC | LEAMINGTON, UT | BLDTV20110201AFL | 166.0 |
| No | K08QL-D | D8 | LD | LIC | LOGAN, UT | BLANK0000034952 | 167.3 |
| No | K32HR-D | D8 | LD | LIC | LONG VALLEY JUNCTION, UT | BLANK0000059933 | 367.7 |
| No | K08PD-D | D8 | LD | CP | MARYSVALE, UT | BNPDVL20090828ADT | 278.4 |
| No | K08EN-D | D8 | LD | LIC | PINE VALLEY, ETC., UT | BLDTV20090406AEZ | 339.4 |
| No | K08QH-D | D8 | LD | LIC | ROOSEVELT, ETC., UT | BLANK0000095206 | 284.9 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| No | K08QC-D | D8 | LD | LIC | SIGURD & SALINA, UT | BLANK0000063748 | 247.3 |
| No | K08QD-D | D8 | LD | LIC | WOODLAND & KAMAS, UT | BLANK0000093350 | 190.0 |
| No | KCWC-DT | D8 | DT | LIC | LANDER, WY | BLEDT20070226AEY | 446.9 |
| No | K09YW-D | D9 | LD | LIC | LEAMINGTON, UT | BLDTV20110201AFM | 166.0 |
| No | K39JS-D | D9 | LD | CP | SALT LAKE CITY, UT | BLANK0000053653 | 108.4 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D8
       Mask: Stringent
   Latitude:  40 43 38.00 N (NAD83)
  Longitude: 113 29  9.00 W
Height AMSL: 1298.0 m
       HAAT: 0.0 m
   Peak ERP: 1.00 kW
    Antenna: KAT-CL-713 (ID 1001068) 90.0 deg
Elev Pattrn: Generic
```

48.0 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---|---|---|---|
| 0.0 deg | 0.000 kW | 11.6 m | 2.4 km |
| 45.0 | 0.036 | 11.2 | 10.5 |
| 90.0 | 1.00 | 10.5 | 23.4 |
| 135.0 | 0.036 | 10.0 | 10.5 |
| 180.0 | 0.000 | 9.6 | 2.4 |
| 225.0 | 0.000 | 11.6 | 3.0 |
| 270.0 | 0.000 | 11.5 | 4.1 |
| 315.0 | 0.000 | 12.0 | 3.0 |

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

Distance to Canadian border: 919.3 km

Distance to Mexican border: 896.9 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 247.5 degrees  Distance: 785.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 92.6 degrees  Distance: 699.1 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 proposal scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K08QM-D | D8 | LD | APP | WENDOVER, UT | | |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 332.0 | 0 | 325.1 | 0 | 325.1 | 0 | 0.00 | 0.00 |