

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: K47JW-D\_ch25, Model: Longley-Rice

Start: 2018.04.05 15:40:43

Study created: 2018.04.05 15:40:42

Study build station data: LMS TV 2018-04-05

Proposal: K47JW-D D25 LD LIC HAGERMAN, ID

File number: K47JW-D\_ch25

Facility ID: 25822

Station data: User record

Record ID: 69

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     | K24HU-D           | D24      | LD  | LIC    | BURLEY, ETC., ID |      |
|        | BLD TT20111104ALE | 115.0    | km  |        |                  |      |
| No     | KIVI-TV           | D24      | DT  | LIC    | NAMPA, ID        |      |
|        | BLCDT20140506ADA  | 139.2    |     |        |                  |      |
| No     | K25NP-D           | D25      | LD  | CP     | BLACKFOOT, ID    |      |
|        | BNPDTL20100609AHJ | 212.2    |     |        |                  |      |
| No     | KFLL-LD           | D25      | LD  | LIC    | BOISE, ID        |      |
|        | BLANK0000010832   | 162.9    |     |        |                  |      |
| No     | KFLL-LD           | D25      | LD  | CP     | BOISE, ID        |      |
|        | BLANK0000010977   | 184.7    |     |        |                  |      |
| No     | K25NQ-D           | D25      | LD  | CP     | DUBOIS, ID       |      |
|        | BNPDTL20100609AHV | 260.8    |     |        |                  |      |
| No     | K25IP-D           | D25      | LD  | LIC    | MALAD CITY, ID   |      |
|        | BLD TT20080722AEK | 237.6    |     |        |                  |      |
| No     | K41HS-D           | D25      | LD  | APP    | MCCALL, ID       |      |
|        | BLANK0000048400   | 236.6    |     |        |                  |      |
| No     | K25CK-D           | D25      | LD  | LIC    | MONTPELIER, ID   |      |
|        | BLD TT20111115AHA | 293.0    |     |        |                  |      |
| No     | K25HG-D           | D25      | LD  | LIC    | PRESTON, ID      |      |
|        | BLD TT20111116AIC | 269.4    |     |        |                  |      |
| No     | K47HF-D           | D25      | LD  | APP    | SODA SPRINGS, ID |      |
|        | BLANK0000029618   | 264.0    |     |        |                  |      |
| No     | K51DW-D           | D25      | LD  | APP    | DILLON, MT       |      |
|        | BLANK0000016420   | 320.5    |     |        |                  |      |
| No     | K25LO-D           | D25      | LD  | CP     | HAMILTON, MT     |      |
|        | BNPDTL20100105ABY | 394.2    |     |        |                  |      |

|     |                    |     |       |     |                      |
|-----|--------------------|-----|-------|-----|----------------------|
| No  | K25FR-D            | D25 | LD    | LIC | ELKO, NV             |
|     | BLDTT20111122EJV   |     | 252.6 |     |                      |
| No  | K25IW-D            | D25 | LD    | LIC | GOLCONDA, NV         |
|     | BLDTT20090506ACD   |     | 283.0 |     |                      |
| No  | K25NV-D            | D25 | LD    | CP  | ROCKY POINT, NV      |
|     | BNPDTL20100512AHZ  |     | 194.0 |     |                      |
| No  | K41MU-D            | D25 | LD    | APP | LA GRANDE, OR        |
|     | BLANK0000029899    |     | 373.4 |     |                      |
| No  | K25KJ-D            | D25 | LD    | LIC | COALVILLE, UT        |
|     | BLDTT20090624ABA   |     | 361.0 |     |                      |
| No  | K25KI-D            | D25 | LD    | LIC | HENEFER, ETC., UT    |
|     | BLDTT20090624ADC   |     | 354.8 |     |                      |
| No  | K25IX-D            | D25 | LD    | LIC | HUNTSVILLE, ETC., UT |
|     | BLDTT20081215AAD   |     | 305.6 |     |                      |
| No  | KSVN-CD            | D25 | DC    | LIC | OGDEN, UT            |
|     | BLDTL20100119ADN   |     | 331.2 |     |                      |
| No  | K25DL-D            | D25 | LD    | LIC | PARK CITY, UT        |
|     | BLDTT20090414AFF   |     | 370.0 |     |                      |
| No  | K25KK-D            | D25 | LD    | LIC | PEOA, ETC., UT       |
|     | BLDTT20090624ADU   |     | 377.2 |     |                      |
| No  | K25KL-D            | D25 | LD    | LIC | WANSHIP, UT          |
|     | BLDTT20090624ADN   |     | 369.1 |     |                      |
| No  | K26LT-D            | D26 | LD    | CP  | BOISE, ID            |
|     | BPDTL20100517AAT   |     | 144.2 |     |                      |
| Yes | K26LN-D            | D26 | LD    | CP  | TWIN FALLS, ID       |
|     | BMJADTL20100520ACE |     | 42.7  |     |                      |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D25  
Mask: Stringent  
Latitude: 42 50 55.60 N (NAD83)  
Longitude: 114 54 47.20 W  
Height AMSL: 1051.0 m  
HAAT: 0.0 m  
Peak ERP: 0.252 kW  
Antenna: SCA-K723147 (ID 96173) 160.0 deg  
Elev Pattn: Generic

49.9 dBu contour:

| Azimuth | ERP      | HAAT   | Distance |
|---------|----------|--------|----------|
| 0.0 deg | 0.001 kW | 48.2 m | 4.4 km   |
| 45.0    | 0.000    | 24.4   | 2.2      |
| 90.0    | 0.021    | 17.2   | 6.9      |

|       |       |       |      |
|-------|-------|-------|------|
| 135.0 | 0.045 | 70.8  | 12.6 |
| 180.0 | 0.061 | 103.9 | 16.0 |
| 225.0 | 0.031 | 17.6  | 7.5  |
| 270.0 | 0.000 | 31.3  | 2.2  |
| 315.0 | 0.002 | 97.3  | 6.7  |

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 51 m

Distance to Canadian border: 683.7 km

Distance to Mexican border: 1126.1 km

Conditions at FCC monitoring station: Livermore CA  
Bearing: 227.8 degrees    Distance: 812.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 107.2 degrees    Distance: 857.5 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 BMJADTL20100520ACE CP scenario 1

| File Number        | Call    | Chan   | Svc | Status          | City, State       |
|--------------------|---------|--------|-----|-----------------|-------------------|
| Desired:           | K26LN-D | D26    | LD  | CP              | TWIN FALLS, ID    |
| BMJADTL20100520ACE |         |        |     |                 |                   |
| Undesireds:        | K47JW-D | D25    | LD  | LIC             | HAGERMAN, ID      |
| K47JW-D_ch25       |         |        |     | 42.7 km         |                   |
| Service area       |         |        |     | Terrain-limited | IX-free, before   |
| free,after         |         |        |     | Percent NewIX   | IX-               |
| 5483.0             | 117,554 | 5343.8 |     | 116,149         | 5343.8    116,149 |
| 5335.7             | 116,012 | 0.15   |     | 0.12            |                   |

|                    |     |          |                   |
|--------------------|-----|----------|-------------------|
| Undesired          |     | Total IX | Unique IX, before |
| Unique IX, after   |     |          |                   |
| K47JW-D D25 LD LIC | 8.1 | 137      |                   |
| 8.1                | 137 |          |                   |

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Interference to proposal scenario 1

|                    |         |          |     |        |                |
|--------------------|---------|----------|-----|--------|----------------|
| File Number        | Call    | Chan     | Svc | Status | City, State    |
|                    |         | Distance |     |        |                |
| Desired:           | K47JW-D | D25      | LD  | LIC    | HAGERMAN, ID   |
| K47JW-D_ch25       |         |          |     |        |                |
| Undesireds:        | KFLL-LD | D25      | LD  | LIC    | BOISE, ID      |
| BLANK0000010832    |         | 162.9    | km  |        |                |
|                    | K26LN-D | D26      | LD  | CP     | TWIN FALLS, ID |
| BMJADTL20100520ACE |         | 42.7     |     |        |                |

|              |                 |         |
|--------------|-----------------|---------|
| Service area | Terrain-limited | IX-free |
| Percent IX   |                 |         |
| 307.4        | 3,417           | 303.4   |
| 1.66         | 0.18            | 3,402   |
|              |                 | 298.3   |
|              |                 | 3,396   |

|                   |          |           |
|-------------------|----------|-----------|
| Undesired         | Total IX | Unique IX |
| Prcnt Unique IX   |          |           |
| K26LN-D D26 LD CP | 5.0      | 6         |
| 1.66              | 0.18     | 5.0       |
|                   |          | 6         |