

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: Sent6d3kwCL46at70T, Model: Longley-Rice  
Start: 2021.07.20 13:25:14

Study created: 2021.07.20 13:25:14

Study build station data: LMS TV 2021-07-20

Proposal: K45MW-D D6 LD APP SENTINEL, AZ  
Facility ID: 185857  
Station data: User record  
Record ID: 676  
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 |
|-----|---------|------|-----|--------|---------------|------------------|----------|
| Yes | K06AE-D | D6   | LD  | LIC    | PRESCOTT, AZ  | BLDTV20111114AAT | 226.7 km |
| No  | KRPE-LP | N6z  | TX  | LIC    | SAN DIEGO, CA | BLANK0000063282  | 348.9    |
| No  | KRPE-LP | D6z  | LD  | CP     | SAN DIEGO, CA | BLANK0000138843  | 348.9    |
| No  | KRMV-LD | D6   | LD  | APP    | WALNUT, CA    | BLANK0000152688  | 396.8    |
| No  | K42LA-D | D6   | LD  | APP    | LORDSBURG, NM | BLANK0000153207  | 421.3    |
| No  | KGHD-LP | D6z  | LD  | CP     | LAS VEGAS, NV | BLANK0000151609  | 382.0    |
| No  | K06PG-D | D6   | LD  | LIC    | LAUGHLIN, NV  | BLDTV20110217ACA | 300.8    |

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: 32 51 38.50 N (NAD83)  
Longitude: 113 12 32.50 W

Height AMSL: 220.0 m  
HAAT: 0.0 m  
Peak ERP: 1.00 kW  
Antenna: SCA-CL-46 (ID 1000893) 70.0 deg  
Elev Pattn: Generic

43.0 dBu contour:

| Azimuth | ERP      | HAAT   | Distance |
|---------|----------|--------|----------|
| 0.0 deg | 0.052 kW | 36.0 m | 13.8 km  |
| 45.0    | 0.692    | 2.3    | 23.8     |
| 90.0    | 0.799    | -7.9   | 24.5     |
| 135.0   | 0.082    | 5.0    | 14.4     |
| 180.0   | 0.000    | 12.1   | 3.6      |
| 225.0   | 0.001    | 33.7   | 5.4      |
| 270.0   | 0.001    | 50.9   | 6.7      |
| 315.0   | 0.000    | 52.0   | 4.8      |

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 23 m

Distance to Canadian border: 1793.7 km

\*\*Proposal is within coordination distance of Mexican border  
Distance to Mexican border: 89.7 km

Conditions at FCC monitoring station: Douglas AZ  
Bearing: 113.4 degrees    Distance: 367.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 39.1 degrees    Distance: 1074.2 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 BLDTV20111114AAT LIC scenario 1

|                   | Call         | Chan    | Svc             | Status   | City, State       | File Number      | Distance       |
|-------------------|--------------|---------|-----------------|----------|-------------------|------------------|----------------|
| Desired:          | K06AE-D      | D6      | LD              | LIC      | PRESCOTT, AZ      | BLDTV20111114AAT |                |
| Undesireds:       | K45MW-D      | D6      | LD              | APP      | SENTINEL, AZ      |                  | 226.7 km       |
|                   | KGHD-LP      | D6z     | LD              | CP       | LAS VEGAS, NV     | BLANK0000151609  | 300.0          |
|                   | Service area |         | Terrain-limited |          | IX-free, before   | IX-free, after   | Percent New IX |
|                   | 4168.7       | 144,977 | 3345.5          | 142,243  | 3345.5            | 142,243          | 0.12 0.00      |
| Undesired         |              |         |                 | Total IX | Unique IX, before | Unique IX, after |                |
| K45MW-D D6 LD APP |              | 4.0     |                 | 0        |                   | 4.0 0            |                |

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Interference to proposal scenario 1

|                   | Call         | Chan | Svc             | Status   | City, State  | File Number      | Distance  |
|-------------------|--------------|------|-----------------|----------|--------------|------------------|-----------|
| Desired:          | K45MW-D      | D6   | LD              | APP      | SENTINEL, AZ |                  |           |
| Undesireds:       | K06AE-D      | D6   | LD              | LIC      | PRESCOTT, AZ | BLDTV20111114AAT | 226.7 km  |
|                   | Service area |      | Terrain-limited |          | IX-free      | Percent IX       |           |
|                   | 643.3        | 25   | 564.4           | 25       | 563.4        | 0.18             | 0.00      |
| Undesired         |              |      |                 | Total IX | Unique IX    | Prcnt Unique IX  |           |
| K06AE-D D6 LD LIC |              | 1.0  |                 | 0        | 1.0          | 0                | 0.18 0.00 |