tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: Wendover3d1kwincSam137at270fA1, Model: Longley-Rice
Start: 2022.05.09 02:02:15

Study created: 2022.05.09 02:02:15

Study build station data: LMS TV 2022-05-09

    Proposal: K03JD-D D3 LD LIC WENDOVER, UT
 Facility ID: 186618
Station data: User record
   Record ID: 2060
     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	K03JC-D	D3	LD	CP	BOISE, ID	BNPDTL20090825AOO	420.2 km
No	K03CM-D	D3	LD	LIC	PIOCHE, NV	BLDTV20130123AEA	346.5
No	K03DS-D	D3	LD	LIC	RUTH, NV	BLDTV20100111AAY	250.5
No	K03IW-D	D3	LD	LIC	CEDAR CANYON, UT	BLANK0000091229	351.1
No	K04RX-D	D4	LD	LIC	PRESTON, ID	BLANK0000145019	137.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D3
       Mask: Full Service
   Latitude: 40 45 27.10 N (NAD83)
  Longitude: 112 46 21.50 W
Height AMSL: 1303.4 m (Adjusted based on actual ground elevation calculation)
       HAAT: 0.0 m
   Peak ERP: 1.00 kW
    Antenna: SAMCO-SAM-137 (ID 1009391) 270.0 deg
Elev Pattrn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	-193.7 m	4.6 km
45.0	0.009	17.8	8.3
90.0	0.020	19.1	10.2
135.0	0.009	-80.6	8.3
180.0	0.000	8.0	4.6
225.0	0.226	-76.4	18.5
270.0	1.00	-243.3	25.6
315.0	0.226	-68.1	18.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -77 m

Distance to Canadian border: 916.0 km

Distance to Mexican border: 910.1 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 249.3 degrees Distance: 842.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 93.6 degrees Distance: 639.3 km

Study cell size: 1.00 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 proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K03JD-D	D3	LD	LIC	WENDOVER, UT		

Service area		Terrain-limited		IX-free		Percent IX	
621.0	6	543.5	3	543.5	3	0.00	0.00