

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: dSLC3d3kwF, Model: Longley-Rice
Start: 2023.09.13 15:31:59

Study created: 2023.09.13 15:31:52

Study build station data: LMS TV 2023-09-10

Proposal: K03JD-D D3 LD APP Salt Lake City, UT
Facility ID: 186618
Station data: User record
Record ID: 1797
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	K03CM-D	D3	LD	LIC	PIOCHE, NV	BLDTV20130123AEA	357.7 km
No	K03DS-D	D3	LD	LIC	RUTH, NV	BLDTV20100111AAY	283.0
No	K03IW-D	D3	LD	LIC	CEDAR CANYON, UT	BLANK0000091229	339.8
No	K04RX-D	D4	LD	LIC	PRESTON, ID	BLANK0000145019	141.9

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 36 27.80 N (NAD83)
Longitude: 112 9 29.00 W
Height AMSL: 2609.4 m
HAAT: 0.0 m
Peak ERP: 3.00 kW

Antenna: Omnidirectional
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	962.6 m	92.9 km
45.0	3.00	1107.9	95.0
90.0	3.00	1075.8	94.6
135.0	3.00	968.3	93.0
180.0	3.00	425.0	74.3
225.0	3.00	863.3	90.8
270.0	3.00	942.6	92.5
315.0	3.00	869.3	91.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 902 m

Distance to Canadian border: 932.7 km

Distance to Mexican border: 906.0 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 251.9 degrees Distance: 886.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 92.7 degrees Distance: 586.6 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%

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K03JD-D	D3	LD	APP	Salt Lake City, UT		
Undesireds:	K04RX-D	D4	LD	LIC	PRESTON, ID	BLANK0000145019	141.9 km
	Service area			Terrain-limited		IX-free	Percent IX
	25423.6 2,214,568			22854.7 2,191,979	22850.7 2,191,979	0.02	0.00
Undesired				Total IX	Unique IX	Prcnt Unique IX	
K04RX-D D4 LD LIC			4.0	0	4.0	0	0.02 0.00