

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: KHIZ-LD ANT CHG, Model: Longley-Rice  
Start: 2022.04.02 12:34:52

Study created: 2022.04.02 12:34:52

Study build station data: LMS TV 2022-03-11

Proposal: KHIZ-LD D2 LD APP LOS ANGELES, CA  
File number: KHIZ-LD ANT CHG  
Facility ID: 67932  
Station data: User record  
Record ID: 830  
Country: U.S.

Build options:  
Protect pre-transition records not on baseline channel

Search options:  
Non-U.S. records included  
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KBFY-LP	D2	LD	CP	FORTUNA, AZ	BLANK0000184932	327.7 km
No	K02RL-D	D2	LD	LIC	INDIO, CA	BLANK0000151125	178.9
No	K02QP-D	D2	LD	CP	Planada, CA	BLANK0000040348	361.9
No	KHSV	D2	DT	LIC	LAS VEGAS, NV	BLCDT20050824ABJ	341.6
No	K03IR-D	D3	LD	LIC	BAKERSFIELD, CA	BLANK0000151128	170.0
No	KSGA-LD	D3	LD	LIC	LOS ANGELES, CA	BLANK0000163195	34.5
No	KVHD-LD	D3	LD	LIC	LOS ANGELES, CA	BLANK0000163391	34.5
No	NEW	D3	LD	CP	PALM SPRINGS, CA	BNPDVL20100202AAX	156.3
No	K03IU-D	D3	LD	LIC	SAN BERNARDINO, CA	BLANK0000151988	132.0
No	K12PO	D3-	LD	CP	TEMECULA, CA	BLANK0000106809	111.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D2  
Mask: Full Service  
Latitude: 34 13 55.00 N (NAD83)  
Longitude: 118 4 21.00 W  
Height AMSL: 1794.0 m  
HAAT: 0.0 m  
Peak ERP: 3.00 kW  
Antenna: DIE THB-C1-1/1-1 195.0 deg  
Elev Pattn: DIE THB-C1-1/1-1  
Mech Tilt: 3.00 @ 235.0 deg

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.031 kW	342.5 m	34.1 km
45.0	0.000	321.2	2.4
90.0	0.000	767.9	2.6
135.0	0.201	1317.2	73.9
180.0	2.48	1452.9	96.6
225.0	2.11	1374.7	94.6
270.0	2.00	906.2	88.2
315.0	1.55	612.9	78.4

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 887 m

Distance to Canadian border: 1619.7 km

\*\*Proposal is within coordination distance of Mexican border  
Distance to Mexican border: 191.1 km

Conditions at FCC monitoring station: Livermore CA  
Bearing: 320.6 degrees Distance: 510.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 56.3 degrees    Distance: 1308.4 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:	KHIZ-LD	D2	LD	APP	LOS ANGELES, CA	KHIZ-LD ANT CHG	

	Service area		Terrain-limited		IX-free		Percent IX
15227.3	13,433,295	14669.4	13,278,323	14669.4	13,278,323	0.00	0.00