

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: LakeH10d1kwSam65F, Model: Longley-Rice

Start: 2023.01.25 07:47:28

Study created: 2023.01.25 07:47:28

Study build station data: LMS TV 2023-01-25

Proposal: K10RW-D D10 LD APP LAKE HAVASU, AZ

Facility ID: 186627

Station data: User record

Record ID: 1068

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	KECY-TV	D9	DT	LIC	EL CENTRO, CA	BLCDT20090723AAO	162.9 km
No	KVVU-TV	D9	DT	LIC	HENDERSON, NV	BLANK0000142740	178.4
No	KSAZ-TV	D10	DT	LIC	PHOENIX, AZ	BLANK0000106827	251.0
No	KERO-TV	D10	DT	LIC	BAKERSFIELD, CA	BLCDT20100929AEF	396.4
No	KRVD-LD	D10	LD	LIC	BANNING, CA	BLANK0000154225	319.3
No	KIIIO-LD	D10	LD	LIC	LOS ANGELES, CA	BLDVL20140702ABU	349.5
No	K10IX-D	D10	LD	LIC	NEWBERRY SPRINGS, CA	BLANK0000004557	211.5
No	K10IX-D	N10	TX	LIC	NEWBERRY SPRINGS, CA	BLTTTV5095	211.5
No	KGBY-LD	D10	LD	LIC	PALM SPRINGS, CA	BLANK0000179132	183.2
No	KZSW-LD	D10	LD	LIC	RIVERSIDE, CA	BLANK0000048526	270.0
No	KGTV	D10	DT	CP	SAN DIEGO, CA	BLANK0000035697	319.8
No	KGTV	D10	DT	LIC	SAN DIEGO, CA	BLCDT20090410ANQ	319.8
No	K10PN-D	D10	LD	LIC	CEDAR CITY, ETC., UT	BLANK0000105375	372.5
No	K10RF-D	D10	LD	LIC	LONG VALLEY JUNCTION, UT	BLANK0000059944	377.4
No	K10RP-D	D10	LD	LIC	SANTA CLARA, UT	BLANK0000152181	301.3
No	K11LC-D	D11	LD	LIC	PRESCOTT, AZ	BLDTV20111206BCS	171.4
No	NEW	D11	DT	CP	YUMA, AZ	BLANK0000195675	162.9
No	K11XU-D	D11	LD	LIC	EL CENTRO, CA	BLANK0000129543	162.9

No KLVX D11 DT LIC LAS VEGAS, NV BMLEDT20120124ACO 178.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D10
Mask: Full Service
Latitude: 34 28 41.00 N (NAD83)
Longitude: 114 24 31.00 W
Height AMSL: 175.5 m (Adjusted based on actual ground elevation calculation)
HAAT: 0.0 m
Peak ERP: 1.00 kW
Antenna: SAM-SAM-160 (ID 1005900) 65.0 deg
Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.021 kW	9.2 m	9.1 km
45.0	0.792	-114.9	22.2
90.0	0.624	-92.4	21.1
135.0	0.008	-12.1	7.1
180.0	0.003	-191.0	5.6
225.0	0.017	-119.4	8.6
270.0	0.016	-153.0	8.4
315.0	0.002	-228.3	5.3

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: -113 m

Distance to Canadian border: 1614.2 km

**Proposal is within coordination distance of Mexican border

Distance to Mexican border: 197.7 km

Conditions at FCC monitoring station: Douglas AZ

Bearing: 125.4 degrees Distance: 553.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 49.5 degrees Distance: 1022.9 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:	K10RW-D	D10	LD	APP	LAKE HAVASU, AZ		
Undesireds:	K10IX-D	D10	LD	LIC	NEWBERRY SPRINGS, CA	BLANK0000004557	211.5 km
	Service area			Terrain-limited		IX-free	Percent IX
	497.7 55,852			495.7 55,852	495.7	55,852	0.00 0.00