tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: LakeHavasu10d0.025kwincSam160at10fE2, Model: Longley-Rice
Start: 2022.06.27 00:18:40

Study created: 2022.06.27 00:18:40

Study build station data: LMS TV 2022-06-26

    Proposal: K10RW-D D10 LD CP LAKE HAVASU, AZ
 Facility ID: 186627
Station data: User record
   Record ID: 2173
     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
Yes	K10RM-D	D10	LD	LIC	KINGMAN, AZ	BLANK0000071712	81.3
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	KIIO-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	BLTTV5095	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	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: 0.025 kW
    Antenna: SAM-SAM-160 (ID 1005900) 10.0 deg
Elev Pattrn: Generic
```

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.024 kW	9.2 m	9.4 km
45.0	0.011	-114.9	7.7
90.0	0.000	-92.4	1.6
135.0	0.000	-12.1	2.6
180.0	0.000	-191.0	3.4
225.0	0.000	-119.4	3.1
270.0	0.000	-153.0	1.6
315.0	0.002	-228.3	4.8

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: 0.10 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Interference to BLANK0000071712 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K10RM-D	D10	LD	LIC	KINGMAN, AZ	BLANK0000071712	
Undesireds:	K10RW-D	D10	LD	CP	LAKE HAVASU, AZ		81.3 km
	KVVU-TV	D9	DT	LIC	HENDERSON, NV	BLANK0000142740	143.3
	KSAZ-TV	D10	DT	LIC	PHOENIX, AZ	BLANK0000106827	257.6
	K10IX-D	D10	LD	LIC	NEWBERRY SPRINGS, CA	BLANK0000004557	254.4
	K10RP-D	D10	LD	LIC	SANTA CLARA, UT	BLANK0000152181	230.5
	KLVX	D11	DT	LIC	LAS VEGAS, NV	BMLEDT20120124ACO	143.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
23187.2	201,507	18422.2	81,525	18410.2	81,525	18370.0	80,993	0.22
0.65								

Undesired	Total IX	Unique IX, before		Unique IX, after	
K10RW-D D10 LD CP	40.2	532		40.2	532
KVVU-TV D9 DT LIC	2.0	0	0.0	0.0	0
KSAZ-TV D10 DT LIC	9.0	0	9.0	0	9.0	0
K10RP-D D10 LD LIC	1.0	0	1.0	0	1.0	0
KLVX D11 DT LIC	2.0	0	0.0	0	0.0	0

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K10RW-D	D10	LD	CP	LAKE HAVASU, AZ		

Undesireds:	K10RM-D	D10	LD	LIC	KINGMAN, AZ	BLANK0000071712	81.3 km
	K10IX-D	D10	LD	LIC	NEWBERRY SPRINGS, CA	BLANK0000004557	211.5

Service area		Terrain-limited		IX-free		Percent IX	
80.4	3,807	80.4	3,807	53.3	3,783	33.75	0.63

Undesired	Total IX		Unique IX		Prcnt Unique IX	
K10RM-D D10 LD LIC	27.1	24	27.1	24	33.75	0.63