

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Parker4dlkwSAM270T, Model: Longley-Rice

Start: 2023.05.30 13:56:05

Study created: 2023.05.30 13:56:05

Study build station data: LMS TV 2023-05-29

Proposal: K04SE-D D4 LD APP PARKER, AZ

Facility ID: 186804

Station data: User record

Record ID: 1513

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	K04GT-D	D4	LD	LIC	BULLHEAD CITY, AZ	BLDTV20130308AAL	211.0 km
No	K04QP-D	D4	DC	LIC	CASAS ADOBES, AZ	BLANK0000101985	256.6
No	KAKZ-LD	D4	LD	LIC	CATHEDRAL CITY, CA	BLANK0000010641	286.7
No	KWHY-TV	D4	DT	LIC	LOS ANGELES, CA	BLANK0000072085	440.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D4

Mask: Stringent

Latitude: 33 35 45.00 N (NAD83)

Longitude: 113 21 1.00 W

Height AMSL: 442.0 m (Adjusted based on actual ground elevation calculation)

HAAT: 0.0 m

Peak ERP: 1.00 kW

Antenna: SAMCO-SAM-137 (ID 1009462) 270.0 deg
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	-70.7 m	4.6 km
45.0	0.009	-55.1	8.3
90.0	0.020	6.6	10.2
135.0	0.009	46.5	10.3
180.0	0.000	7.9	4.6
225.0	0.226	-15.4	18.5
270.0	1.00	6.2	25.6
315.0	0.226	-20.7	18.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -12 m

Distance to Canadian border: 1712.0 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 160.4 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 122.9 degrees Distance: 417.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 42.4 degrees Distance: 1020.9 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:	K04SE-D	D4	LD	APP	PARKER, AZ		
Undesireds:	K04QP-D	D4	DC	LIC	CASAS ADOBES, AZ	BLANK0000101985	256.6 km
	Service area			Terrain-limited		IX-free	Percent IX
	628.3	39		533.1	39	531.2	39 0.37 0.00
Undesired				Total IX		Unique IX	Prcnt Unique IX
K04QP-D D4 DC LIC				2.0	0	2.0	0 0.37 0.00