Study created: 2020.11.24 10:32:58

Study build station data: LMS TV 2020-11-24

Proposal: KPDF-CD D22 DC APP PHOENIX, AZ
File number: KPDF-OMNI
Facility ID: 73764
Station data: User record
Record ID: 978
Country: U.S.

Build options:
Protect LPTV records from Class A

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K21GE	N21-	TX	LIC	CAMP VERDE, AZ	BLTT20040830AAI	127.4 km
No	K21GE	D21	LD	CP	CAMP VERDE, AZ	BDFCDTL20120524AAC	127.4
Yes	KGRQ-LD	D21	LD	LIC	GILA RIVER INDIAN CO, AZ	BLANK0000126059	51.6
Yes	KGRF-LD	D21	LD	APP	GILA RIVER INDIAN CO, AZ	BLANK0000125236	15.9
No	KRPO-LD	D21	LD	LIC	QUARTZSITE, AZ	BLDTL20110926AEA	150.6
No	KWBA-TV	D21	DT	LIC	SIERRA VISTA, AZ	BLANK0000063600	211.2
Yes	KNAZ-TV	D22	DT	LIC	FLAGSTAFF, AZ	BLCDT20091210AAC	188.6
No	K22LA-D	D22	LD	CP	GOLDEN VALLEY, AZ	BNPDTL20100510ADZ	275.1
No	K22NK-D	D22	LD	LIC	LAKE HAVASU CITY, AZ	BLANK0000071719	255.3
Yes	K22JD-D	D22	LD	LIC	MADERA PEAK, AZ	BLANK0000033767	110.6
Yes	KPSN-LD	D22	LD	LIC	PAYSON, AZ	BLDTL20120430AAZ	133.2
No	K22KZ-D	D22	LD	CP	SAN SIMON, AZ	BNPDTL20100504AMS	289.4
Yes	KVYE	D22	DT	LIC	EL CENTRO, CA	BLCDT20070604ABN	259.2
No	KJHP-LD	D22	LD	LIC	MORONGO VALLEY, CA	BLANK0000125585	409.0
No	KSNV	D22	DT	LIC	LAS VEGAS, NV	BLANK0000112809	400.9
No	K22DR	D22	LD	LIC	LAUGHLIN, NV	BLANK0000062881	325.4
No	K22DR	N22	TX	LIC	LAUGHLIN, NV	BLTT19911118JJ	325.5
No	K23FZ	N23+	TX	LIC	CAMP VERDE, AZ	BLTT20040927ABU	127.4
No	K23FZ	D23	LD	CP	CAMP VERDE, AZ	BDFCDTT20120524AAB	127.4
Yes	KTVP-LD	D23	LD	LIC	PHOENIX, AZ	BLANK0000075039	0.5
No	K23NJ-D	D23	LD	LIC	PRESCOTT, ETC., AZ	BLANK0000058780	135.6
Yes	KVOA	D23	DT	LIC	TUCSON, AZ	BLCDT20071113AJK	162.0
No	KPCE-LP	N29-	TX	LIC	TUCSON, AZ	BLTTL20080605AAT	149.5
No	XHSFE	D22	DT	LIC	SAN FELIPE, BN	BLANKBPFS20160302ACU	366.3
No	XHUAA	D22	DT	LIC	TIJUANA, BN	BLANKBPFS20100517ADE	473.5
No	XHAPS	D22	DT	LIC	AGUA PRIETA, SO	BLANKBPFS20160311ABD	326.9
No	XHPDT	D22	DT	LIC	PUERTO PENASCO, SO	BLANKBPFS20160315ABI	265.4
No	LICITACION	D23	DT	LIC	PUERTO PENASCO, SO	BLANKBPFS20131125BLT	265.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D22
Mask: Full Service
Latitude: 33 20 4.20 N (NAD83)
Longitude: 112 3 43.50 W
Height AMSL: 829.7 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattrn: Generic
Elec Tilt: 1.75

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	490.6 m	66.1 km
45.0	15.0	455.7	65.0
90.0	15.0	446.9	64.7
135.0	15.0	471.7	65.6
180.0	15.0	485.5	66.0
225.0	15.0	489.1	66.1
270.0	15.0	434.7	64.1
315.0	15.0	503.5	66.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 472 m

Distance to Canadian border: 1741.1 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 176.1 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 131.4 degrees Distance: 304.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 36.8 degrees Distance: 967.0 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%

No IX check failures found.