

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Tacna27d5kwFlashT, Model: Longley-Rice

Start: 2021.07.06 14:33:55

Study created: 2021.07.06 14:33:55

Study build station data: LMS TV 2021-07-06

Proposal: KYPO-LP D27 LD APP TACNA, AZ

Facility ID: 128985

Station data: User record

Record ID: 446

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	K20IA	N20-	TX	LIC	PRESCOTT, AZ	BLTTTL20110711AAR	150.3 km
No	K23BJ	N23	TX	LIC	LAKE HAVASU CITY, AZ	BLTTTL19891127JR	114.2
No	K24FA	N24+	TX	LIC	BLYTHE, CA	BLTT20020311ABC	65.5
No	K25AL	N25	TX	LIC	LAKE HAVASU CITY, AZ	BLTTTL19850927IA	101.8
No	K26OK-D	D26	LD	LIC	LAKE HAVASU CITY, AZ	BLANK0000071722	114.1
Yes	KUTP	D26	DT	LIC	PHOENIX, AZ	BLCDT20130625AAK	156.5
No	K26FS	N26+	TX	LIC	BLYTHE, CA	BLTT20020311ABG	65.5
No	K26PR-D	D26	LD	CP	NEEDLES, CA	BLANK0000150099	147.3
No	KMIR-TV	D26	DT	LIC	PALM SPRINGS, CA	BLANK0000075143	255.0
No	K26PN-D	D26	LD	CP	WINTERHAVEN, CA	BNPDTL20100510AAW	154.1
No	KTNV-TV	D26	DT	APP	LAS VEGAS, NV	BLANK0000145120	273.9
No	K27DA-D	D27	LD	LIC	BIG SANDY VALLEY, AZ	BLDTT20130308AAI	152.2
No	K27EJ-D	D27	LD	LIC	COLORADO CITY, AZ	BLDTT20130308AAX	354.1
No	KTVW-CD	D27	DC	LIC	FLAGSTAFF/DONEY PARK, AZ	BLDTA20140421ACI	240.3
No	K27KS-D	D27	LD	LIC	GLOBE/MIAMI, AZ	BLDTT20130312ACC	263.8
No	K27NT-D	D27	LD	LIC	GOLDEN VALLEY, AZ	BLANK0000071725	171.3
No	K27EC-D	D27	LD	LIC	LAKE HAVASU CITY, AZ	BLDTA20110503ACV	114.0
No	K16EO-D	D27	LD	LIC	ORO VALLEY/TUCSON, AZ	BLANK0000067692	301.9

Yes	KASW	D27	DT	LIC	PHOENIX, AZ	BLANK0000106570	156.5
Yes	KASW	D27	DD	CP	PHOENIX, AZ	BLANK0000116045	156.5
Yes	DDKDFQ-LP	D27z	LD	APP	PRESCOTT, AZ	BLANK0000052540	176.9
No	K27NR-D	D27	LD	LIC	TOPOCK, AZ	BLANK0000071723	156.3
No	KSCD-LP	D27-	LD	CP	HEMET, CA	BLANK0000054281	314.9
No	KVER-CD	D27	DC	LIC	INDIO, CA	BLANK0000074955	255.0
No	K27ON-D	D27	LD	LIC	LUCERNE VALLEY, CA	BLANK0000082020	305.3
No	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000080302	374.1
No	KPOM-CD	D27	DC	CP	ONTARIO, CA	BLANK0000136453	407.5
No	KPCD-LP	D27-	LD	CP	San fernando, CA	BLANK0000054282	340.1
No	K27AE-D	D27	LD	LIC	VICTORVILLE, ETC., CA	BLANK0000143996	345.5
No	K27AE-D	N27	TX	LIC	VICTORVILLE, ETC., CA	BLTT19820105IF	345.5
No	DK27DS	D27	LD	APP	YUCCA VALLEY, CA	BDFCDTT20120606AAZ	291.3
No	K27JK-D	D27	LD	LIC	GLENDALE, NV	BLDDTT20100820ABN	334.7
No	KPVT-LD	D27	LD	LIC	LAS VEGAS, NV	BLANK0000010689	278.7
No	K27MQ-D	D27	LD	LIC	ST. GEORGE, UT	BLDDTT20140815ADC	378.7
No	K28OA-D	D28	LD	LIC	COTTONWOOD, AZ	BLANK0000062884	177.0
No	KGRY-LD	D28	LD	CP	GILA RIVER INDIAN CO, AZ	BLANK0000136687	156.2
No	K28PO-D	D28	LD	LIC	LAKE HAVASU CITY, AZ	BLANK0000071726	114.1
Yes	K28QP-D	D28	LD	CP	SALOME, AZ	BNPDTL20100514AEQ	26.0
No	K28QO-D	D28	LD	CP	SENTINEL, AZ	BNPDTL20100510AAS	108.1
No	K28FM	N28z	TX	LIC	YUMA, AZ	BLTTTL20001006AAL	134.7
No	KESQ-TV	D28	DT	LIC	PALM SPRINGS, CA	BLANK0000078362	255.1
No	K29EC	N29z	TX	LIC	BLYTHE, CA	BLTT20020311ABI	65.5
No	K31FE	N31-	TX	LIC	BLYTHE, CA	BLTT20011203AMO	65.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D27
Mask: Stringent
Latitude: 33 45 6.80 N (NAD83)
Longitude: 113 40 32.50 W
Height AMSL: 655.0 m
HAAT: 0.0 m

Peak ERP: 5.00 kW
Antenna: Omnidirectional
Elev Pattn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	5.00 kW	-52.0 m	25.3 km
45.0	5.00	64.2	33.4
90.0	5.00	72.3	34.7
135.0	5.00	48.7	30.4
180.0	5.00	218.9	46.4
225.0	5.00	264.5	48.8
270.0	5.00	250.8	48.1
315.0	5.00	94.9	37.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 120 m

Distance to Canadian border: 1694.6 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 150.3 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 122.5 degrees Distance: 452.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 44.1 degrees Distance: 1028.9 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 BLCDT20130625AAK LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KUTP	D26	DT	LIC	PHOENIX, AZ	BLCDT20130625AAK	
Undesireds:	KYPO-LP	N27	TX	LIC	TACNA, AZ	BLTTL20080818AAL	156.5 km
	KYPO-LP	D27	LD	APP	TACNA, AZ		156.5
	KMSB	D25	DT	LIC	TUCSON, AZ	BLCDT20050623ABE	162.0
	KTNV-TV	D26	DT	APP	LAS VEGAS, NV	BLANK0000145120	398.2
	KASW	D27	DT	LIC	PHOENIX, AZ	BLANK0000106570	0.1
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	40812.1 4,190,712		33141.1 4,175,090		33008.4 4,174,159	32999.5 4,174,159	0.03 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
KYPO-LP N27 TX LIC		0.0		0	0.0	0	
KYPO-LP D27 LD APP		8.9		0		8.9 0	
KMSB D25 DT LIC		64.2		18	64.2 18	64.2 18	
KTNV-TV D26 DT APP		10.9		0	10.9 0	10.9 0	
KASW D27 DT LIC		57.6		913	57.6 913	57.6 913	

Interference to BLCDT20130625AAK LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KUTP	D26	DT	LIC	PHOENIX, AZ	BLCDT20130625AAK	
Undesireds:	KYPO-LP	N27	TX	LIC	TACNA, AZ	BLTTL20080818AAL	156.5 km
	KYPO-LP	D27	LD	APP	TACNA, AZ		156.5
	KMSB	D25	DT	LIC	TUCSON, AZ	BLCDT20050623ABE	162.0
	KTNV-TV	D26	DT	APP	LAS VEGAS, NV	BLANK0000145120	398.2
	KASW	D27	DD	CP	PHOENIX, AZ	BLANK0000116045	0.1
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	40812.1 4,190,712		33141.1 4,175,090		32954.9 4,167,099	32946.0 4,167,099	0.03 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
KYPO-LP N27 TX LIC	0.0	0	0.0	0
KYPO-LP D27 LD APP	8.9	0		8.9 0
KMSB D25 DT LIC	64.2	18	64.2	18 64.2
KTNV-TV D26 DT APP	10.9	0	10.9	0 10.9
KASW D27 DD CP	111.0	7,973	111.0	7,973 111.0

Interference to BLANK0000106570 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KASW	D27	DT	LIC	PHOENIX, AZ	BLANK0000106570	
Undesireds:	KYPO-LP	N27	TX	LIC	TACNA, AZ	BLTTL20080818AAL	156.5 km
	KYPO-LP	D27	LD	APP	TACNA, AZ		156.5
	KUTP	D26	DT	LIC	PHOENIX, AZ	BLCDDT20130625AAK	0.1
	KTVW-CD	D27	DC	LIC	FLAGSTAFF/DONEY PARK, AZ	BLDDTA20140421ACI	188.7
	KUAS-TV	D28	DT	LIC	TUCSON, AZ	BLDDT20030115ABS	158.8
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	35433.1	4,174,222	28755.8	4,158,059	28552.8	4,155,774	28392.9 4,155,672 0.56 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
KYPO-LP N27 TX LIC	20.9	2	20.9	2
KYPO-LP D27 LD APP	182.8	104		180.9 104
KUTP D26 DT LIC	146.1	2,262	146.1	2,262 144.1
KTVW-CD D27 DC LIC	33.0	21	33.0	21 33.0
KUAS-TV D28 DT LIC	3.0	0	3.0	0 3.0

Interference to BLANK0000116045 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KASW	D27	DD	CP	PHOENIX, AZ	BLANK0000116045	
Undesireds:	KYPO-LP	N27	TX	LIC	TACNA, AZ	BLTTL20080818AAL	156.5 km
	KYPO-LP	D27	LD	APP	TACNA, AZ		156.5
	KUTP	D26	DT	LIC	PHOENIX, AZ	BLCDDT20130625AAK	0.1

KTVW-CD	D27	DC	LIC	FLAGSTAFF/DONEY PARK, AZ	BLDTA20140421ACI	188.7
KUAS-TV	D28	DT	LIC	TUCSON, AZ	BLEDT20030115ABS	158.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
35433.1	4,174,222	28814.7	4,159,877	28609.5	4,159,721	28458.5	4,159,619	0.53	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
KYPO-LP N27 TX LIC	24.0	2		22.9	2		
KYPO-LP D27 LD APP	176.9	104				173.9	104
KUTP D26 DT LIC	141.2	141		141.2	141	139.2	141
KTVW-CD D27 DC LIC	38.0	13		37.0	13	37.0	13
KUAS-TV D28 DT LIC	3.0	0		3.0	0	3.0	0

Interference to BLANK0000052540 APP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	DDKDFQ-LP	D27z	LD	APP	PRESCOTT, AZ	BLANK0000052540	
Undesireds:	KYPO-LP	N27	TX	LIC	TACNA, AZ	BLTTL20080818AAL	176.9 km
	KYPO-LP	D27	LD	APP	TACNA, AZ		176.9
	KUTP	D26	DT	LIC	PHOENIX, AZ	BLCDT20130625AAK	150.4
	K27DA-D	D27	LD	LIC	BIG SANDY VALLEY, AZ	BLDTT20130308AAI	167.7
	KTVW-CD	D27	DC	LIC	FLAGSTAFF/DONEY PARK, AZ	BLDTA20140421ACI	63.6
	K27KS-D	D27	LD	LIC	GLOBE/MIAMI, AZ	BLDTT20130312ACC	188.5
	K16EO-D	D27	LD	LIC	ORO VALLEY/TUCSON, AZ	BLANK0000067692	293.5
	KASW	D27	DT	LIC	PHOENIX, AZ	BLANK0000106570	150.5
	K28CW-D	D28	LD	LIC	FLAGSTAFF, AZ	BLDTT20120731ACI	77.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
15120.2	281,868	11886.4	220,609	10719.9	216,331	10719.9	216,331	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
KYPO-LP N27 TX LIC	0.0	0		0.0	0		
KYPO-LP D27 LD APP	1.0	0				0.0	0
KUTP D26 DT LIC	1.0	0		0.0	0	0.0	0
K27DA-D D27 LD LIC	2.0	0		0.0	0	0.0	0
KTVW-CD D27 DC LIC	928.2	3,199		828.5	2,373	828.5	2,373

K27KS-D D27 LD LIC	1.0	0	0.0	0	0.0	0
K16EO-D D27 LD LIC	1.0	0	0.0	0	0.0	0
KASW D27 DT LIC	295.1	1,894	225.2	1,079	225.2	1,079
K28CW-D D28 LD LIC	66.8	12	5.0	0	5.0	0

Interference to BLANK0000052540 APP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	DDKDFQ-LP	D27z	LD	APP	PRESCOTT, AZ	BLANK0000052540	
Undesireds:	KYPO-LP	N27	TX	LIC	TACNA, AZ	BLTTL20080818AAL	176.9 km
	KYPO-LP	D27	LD	APP	TACNA, AZ		176.9
	KUTP	D26	DT	LIC	PHOENIX, AZ	BLCDT20130625AAK	150.4
	K27DA-D	D27	LD	LIC	BIG SANDY VALLEY, AZ	BLDTT20130308AAI	167.7
	KTVW-CD	D27	DC	LIC	FLAGSTAFF/DONEY PARK, AZ	BLDTA20140421ACI	63.6
	K27KS-D	D27	LD	LIC	GLOBE/MIAMI, AZ	BLDTT20130312ACC	188.5
	K16EO-D	D27	LD	LIC	ORO VALLEY/TUCSON, AZ	BLANK0000067692	293.5
	KASW	D27	DD	CP	PHOENIX, AZ	BLANK0000116045	150.5
	K28CW-D	D28	LD	LIC	FLAGSTAFF, AZ	BLDTT20120731ACI	77.7
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
15120.2	281,868	11886.4	220,609	10705.9	216,322	10705.9 216,322	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KYPO-LP N27 TX LIC	0.0	0	0
KYPO-LP D27 LD APP	1.0	0	0.0 0
KUTP D26 DT LIC	1.0	0	0.0 0
K27DA-D D27 LD LIC	2.0	0	0.0 0
KTVW-CD D27 DC LIC	928.2	3,199	826.4 2,373
K27KS-D D27 LD LIC	1.0	0	0.0 0
K16EO-D D27 LD LIC	1.0	0	0.0 0
KASW D27 DD CP	311.1	1,903	239.2 1,088
K28CW-D D28 LD LIC	66.8	12	5.0 0

Interference to BNPDTL20100514AEQ CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K28QP-D	D28	LD	CP	SALOME, AZ	BNPDTL20100514AEQ	
Undesireds:	KYPO-LP	N27	TX	LIC	TACNA, AZ	BLTTL20080818AAL	26.0 km
	KYPO-LP	D27	LD	APP	TACNA, AZ		26.0
	KGRY-LD	D28	LD	CP	GILA RIVER INDIAN CO, AZ	BLANK00000136687	133.5
	K28QO-D	D28	LD	CP	SENTINEL, AZ	BNPDTL20100510AAS	84.6

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	1390.6	145	1311.3	76	1305.3	76	1274.6	75	2.35 1.32

Undesired				Total IX	Unique IX, before	Unique IX, after
KYPO-LP N27 TX LIC		0.0		0	0.0	0
KYPO-LP D27 LD APP		31.7		1		30.7 1
KGRY-LD D28 LD CP		3.0		0	3.0 0	2.0 0
K28QO-D D28 LD CP		3.0		0	3.0 0	3.0 0

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KYPO-LP	D27	LD	APP	TACNA, AZ		
Undesireds:	KASW	D27	DT	LIC	PHOENIX, AZ	BLANK00000106570	156.5 km
	DDKDFQ-LP	D27z	LD	APP	PRESCOTT, AZ	BLANK00000052540	176.9
	K27AE-D	D27	LD	LIC	VICTORVILLE, ETC., CA	BLANK00000143996	345.5
	K28QP-D	D28	LD	CP	SALOME, AZ	BNPDTL20100514AEQ	26.0

	Service area		Terrain-limited		IX-free		Percent IX
	4803.3	4,789	3888.4	4,621	3792.3	4,616	2.47 0.11

Undesired				Total IX	Unique IX	Prcnt Unique IX
KASW D27 DT LIC		70.3		5	42.6 0	1.10 0.00
DDKDFQ-LP D27z LD APP		3.0		0	1.0 0	0.03 0.00
K28QO-D D28 LD CP		51.5		5	23.8 0	0.61 0.00

Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KYPO-LP	D27	LD	APP	TACNA, AZ		
Undesireds:	KASW	D27	DD	CP	PHOENIX, AZ	BLANK0000116045	156.5 km
	DDKDFQ-LP	D27z	LD	APP	PRESCOTT, AZ	BLANK0000052540	176.9
	K27AE-D	D27	LD	LIC	VICTORVILLE, ETC., CA	BLANK0000143996	345.5
	K28QP-D	D28	LD	CP	SALOME, AZ	BNPDTL20100514AEQ	26.0

Service area	Terrain-limited	IX-free	Percent IX
4803.3 4,789	3888.4 4,621	3792.3 4,616	2.47 0.11

Undesired	Total IX	Unique IX	Prcnt Unique IX
KASW D27 DD CP	70.3 5 42.6	0	1.10 0.00
DDKDFQ-LP D27z LD APP	3.0 0 1.0	0	0.03 0.00
K28QP-D D28 LD CP	51.5 5 23.8	0	0.61 0.00