

INTERFERENCE ANALYSIS FOR PROPOSED K42EU-D, TOPOCK, AZ, CHANNEL 27

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: K42EU-D(27), Model: Longley-Rice

Study build station data: LMS TV 2018-04-11 #98

Proposal: K42EU-D D27 LD APP TOPOCK, AZ
File number: K42EU-D(27)
Facility ID: 43397
Station data: User record
Record ID: 2735
Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Search options:

Non-U.S. records included

Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K20IA	N20-	TX	LIC	PRESCOTT, AZ	BLTTL20110711AAR	172.0 km
No	K23BJ	N23	TX	LIC	LAKE HAVASU CITY, AZ	BLTTL19891127JR	48.1
No	K25AL	N25	TX	LIC	LAKE HAVASU CITY, AZ	BLTTL19850927IA	60.7
No	K26GF-D	D26	LD	LIC	PEACH SPRINGS, AZ	BLDTT20130308ACF	101.8
No	K26FS	N26+	TX	LIC	BLYTHE, CA	BLTT20020311ABG	162.9
No	KMIR-TV	D26	DT	CP	PALM SPRINGS, CA	BLANK0000034640	229.4
No	KGNB-LD	D26	LD	CP	LAS VEGAS, NV	BDISDTL20120514AET	118.0
Yes	K27DA-D	D27	LD	LIC	BIG SANDY VALLEY, AZ	BLDTT20130308AAI	45.2
No	K27EJ-D	D27	LD	LIC	COLORADO CITY, AZ	BLDTT20130308AAX	239.1
No	KTVW-CD	D27	DC	LIC	FLAGSTAFF/DONEY PARK, AZ	BLDTA20140421ACI	260.6
No	K27KS-D	D27	LD	LIC	GLOBE/MIAMI, AZ	BLDTT20130312ACC	372.8
Yes	K27EC-D	D27	LD	LIC	LAKE HAVASU CITY, AZ	BLDTA20110503ACV	48.3
No	KASW	D27	DT	CP	PHOENIX, AZ	BLANK0000048389	284.3
No	KYPO-LP	N27	TX	LIC	TACNA, AZ	BLTTL20080818AAL	156.3
No	K33MD-D	D27	LD	APP	YUMA, AZ	BLANK0000051953	262.6
No	KEBK-LD	D27	LD	LIC	BAKERSFIELD, CA	BLDTL20131120AXK	386.1
Yes	KVER-CD	D27	DC	CP	INDIO, CA	BLANK0000034462	229.4
No	KHTV-CD	D27	DC	LIC	LOS ANGELES, CA	BLANK0000035601	349.7
No	KPOM-CD	D27	DC	APP	ONTARIO, CA	BLANK0000034691	318.7
No	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000036109	292.0
No	K27AE	N27	TX	LIC	VICTORVILLE, ETC., CA	BLTT19820105IF	270.2
No	DK27DS	D27	LD	APP	YUCCA VALLEY, CA	BDFCDTT20120606AAZ	249.6
No	K27JK-D	D27	LD	LIC	GLENDALE, NV	BLDTT20100820ABN	183.6
Yes	KPVT-LD	D27	LD	LIC	LAS VEGAS, NV	BLANK0000010689	122.5
No	K27GB-D	D27	LD	LIC	BERYL, MODENA, NEW C, UT	BLDTT20110729AKP	301.8
No	K27KD-D	D27	LD	LIC	HATCH, UT	BLDTT20100524AAS	343.7
No	K27JV-D	D27	LD	LIC	KANAB, UT	BLDTT20100429ADW	279.8
No	K27KH-D	D27	LD	LIC	ORDERVILLE, UT	BLDTT20091211AGF	307.6
No	K27MQ-D	D27	LD	LIC	ST. GEORGE, UT	BLDTT20140815ADC	239.6
No	K27ID-D	D27	LD	LIC	TROPIC & CANNONVILLE, UT	BLDTT20090708AJJ	361.3
No	K38AI-D	D28	LD	APP	COTTONWOOD, AZ	BLANK0000033859	209.2
No	NEW	D28	LD	APP	BLYTHE, CA	BNPDTL20100514ACX	161.9
No	KESQ-TV	D28	DT	CP	PALM SPRINGS, CA	BLANK0000034072	229.5
No	KVPX-LD	D28	LD	LIC	LAS VEGAS, NV	BLDTL20111006ACC	118.1
Yes	K28EU-D	D28	LD	LIC	LAUGHLIN, ETC., NV	BLDTT20120319ADY	41.2
No	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	0.0
No	XHBJ	D27	DT	LIC	TIJUANA, BN	BLANKBPFS20160302ADP	374.3

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: Full Service

Latitude: 35 2 9.00 N (NAD83)

Longitude: 114 22 16.80 W

Height AMSL: 1222.2 m

HAAT: 0.0 m

Peak ERP: 0.918 kW

Antenna: SCA-4DR-16-2HW (ID 20732) 192.0 deg

Elev Pattn: Generic

INTERFERENCE ANALYSIS FOR PROPOSED K42EU-D, TOPOCK, AZ, CHANNEL 27

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	190.7 m	6.1 km
45.0	0.000	291.6	7.2
90.0	0.255	465.3	39.8
135.0	0.892	251.5	39.0
180.0	0.793	397.1	44.8
225.0	0.639	718.2	50.7
270.0	0.666	686.2	50.4
315.0	0.009	585.6	23.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 448 m

Distance to Canadian border: 1552.2 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 259.5 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 130.6 degrees Distance: 588.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 52.2 degrees Distance: 981.1 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 BLDTT20130308AAI LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	K27DA-D	D27	LD	LIC	BIG SANDY VALLEY, AZ	BLDTT20130308AAI			
Undesireds:	K42EU-D	D27	LD	APP	TOPOCK, AZ	K42EU-D(27)	45.2 km		
	KTVW-CD	D27	DC	LIC	FLAGSTAFF/DONEY PARK, AZ	BLDTA20140421ACI	216.5		
	K27EC-D	D27	LD	LIC	LAKE HAVASU CITY, AZ	BLDTA20110503ACV	72.0		
	KASW	D27	DT	CP	PHOENIX, AZ	BLANK0000048389	258.8		
	K33MD-D	D27	LD	APP	YUMA, AZ	BLANK0000051953	274.1		
	DK27DS	D27	LD	APP	YUCCA VALLEY, CA	BDFCDTT20120606AAZ	293.5		
	K27JK-D	D27	LD	LIC	GLENDALE, NV	BLDTT20100820ABN	184.0		
	K27MQ-D	D27	LD	LIC	ST. GEORGE, UT	BLDTT20140815ADC	227.3		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
1631.5		1,764		1436.9		1,438	1.26 0.00		
Undesired				Total IX	Unique IX, before	Unique IX, after			
K42EU-D D27 LD APP				22.9	0	18.0	0		
KTVW-CD D27 DC LIC				2.0	0	0.0	0		
K27EC-D D27 LD LIC				2.0	0	0.0	0		
KASW D27 DT CP				4.0	0	0.0	0		
K33MD-D D27 LD APP				2.0	0	0.0	0		
DK27DS D27 LD APP				5.0	0	1.0	0		
K27JK-D D27 LD LIC				1.0	0	0.0	0		
K27MQ-D D27 LD LIC				1.0	0	0.0	0		

Interference to BLDTA20110503ACV LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	K27EC-D	D27	LD	LIC	LAKE HAVASU CITY, AZ	BLDTA20110503ACV			
Undesireds:	K42EU-D	D27	LD	APP	TOPOCK, AZ	K42EU-D(27)	48.3 km		
	KPOM-CD	D27	DC	APP	ONTARIO, CA	BLANK0000034691	308.7		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
1186.2		55,012		1095.6		54,859	25.18 0.00		
Undesired				Total IX	Unique IX, before	Unique IX, after			
K42EU-D D27 LD APP				275.9	2	275.9	2		

INTERFERENCE ANALYSIS FOR PROPOSED K42EU-D, TOPOCK, AZ, CHANNEL 27

Interference to BLANK0000034462 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KVER-CD	D27	DC	CP	INDIO, CA	BLANK0000034462	
Undesireds:	K42EU-D	D27	LD	APP	TOPOCK, AZ	K42EU-D(27)	229.4 km
	KMIR-TV	D26	DT	CP	PALM SPRINGS, CA	BLANK0000034640	0.1
	KSWB-TV	D26	DT	CP	SAN DIEGO, CA	BLANK0000025067	138.1
	KPOM-CD	D27	DC	APP	ONTARIO, CA	BLANK0000034691	122.0
	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	332.3
	KESQ-TV	D28	DT	CP	PALM SPRINGS, CA	BLANK0000034072	0.1
	XHBJ	D27	DT	LIC	TIJUANA, BN	BLANKBFFS20160302ADP	161.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
7452.7 623,334		5255.5 453,763		5171.3 439,720		5171.3 439,720	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
K42EU-D	D27 LD APP	1.0	0			0.0 0	
KMIR-TV	D26 DT CP	66.4	4,634	30.7	913	30.7 913	
KPOM-CD	D27 DC APP	14.8	9,972	5.9	6,276	5.9 6,276	
KEYT-TV	D27 DT LIC	2.0	0	0.0	0	0.0 0	
KESQ-TV	D28 DT CP	43.6	5,031	7.9	3,133	7.9 3,133	
XHBJ	D27 DT LIC	1.0	0	0.0	0	0.0 0	

Interference to BLANK0000034462 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KVER-CD	D27	DC	CP	INDIO, CA	BLANK0000034462	
Undesireds:	K42EU-D	D27	LD	APP	TOPOCK, AZ	K42EU-D(27)	229.4 km
	KMIR-TV	D26	DT	CP	PALM SPRINGS, CA	BLANK0000034640	0.1
	KSWB-TV	D26	DT	CP	SAN DIEGO, CA	BLANK0000025067	138.1
	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000036109	78.9
	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	332.3
	KESQ-TV	D28	DT	CP	PALM SPRINGS, CA	BLANK0000034072	0.1
	XHBJ	D27	DT	LIC	TIJUANA, BN	BLANKBFFS20160302ADP	161.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
7452.7 623,334		5255.5 453,763		5162.4 438,653		5162.4 438,653	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
K42EU-D	D27 LD APP	1.0	0			0.0 0	
KMIR-TV	D26 DT CP	66.4	4,634	30.7	913	30.7 913	
KPOM-CD	D27 DC LIC	22.7	11,039	14.8	7,343	14.8 7,343	
KEYT-TV	D27 DT LIC	2.0	0	0.0	0	0.0 0	
KESQ-TV	D28 DT CP	43.6	5,031	7.9	3,133	7.9 3,133	
XHBJ	D27 DT LIC	1.0	0	0.0	0	0.0 0	

Interference to BLANK0000010689 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPVT-LD	D27	LD	LIC	LAS VEGAS, NV	BLANK0000010689	
Undesireds:	K42EU-D	D27	LD	APP	TOPOCK, AZ	K42EU-D(27)	122.5 km
	KGNG-LD	D26	LD	CP	LAS VEGAS, NV	BDISDTL20120514AET	7.9
	KPOM-CD	D27	DC	APP	ONTARIO, CA	BLANK0000034691	317.7
	K27JK-D	D27	LD	LIC	GLENDALE, NV	BLDTT20100820ABN	86.8
	K27MQ-D	D27	LD	LIC	ST. GEORGE, UT	BLDTT20140815ADC	162.0
	KVPX-LD	D28	LD	LIC	LAS VEGAS, NV	BLDTL20111006ACC	7.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
7449.5 1,892,598		5216.7 1,885,631		4576.6 1,730,620		4575.6 1,730,620	0.02 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
K42EU-D	D27 LD APP	2.0	0			1.0 0	
KGNG-LD	D26 LD CP	552.4	155,011	235.3	78,650	235.3 78,650	
K27JK-D	D27 LD LIC	48.3	0	2.0	0	2.0 0	
K27MQ-D	D27 LD LIC	120.9	1,144	41.3	0	41.3 0	
KVPX-LD	D28 LD LIC	323.2	76,361	12.1	0	12.1 0	

INTERFERENCE ANALYSIS FOR PROPOSED K42EU-D, TOPOCK, AZ, CHANNEL 27

Interference to BLDTT20120319ADY LIC scenario 1

Desired:	Call K28EU-D	Chan D28	Svc LD	Status LIC	City, State LAUGHLIN, ETC., NV	File Number BLDTT20120319ADY	Distance
Undesireds:	K42EU-D KCET	D27 D28	LD DT	APP LIC	TOPOCK, AZ LOS ANGELES, CA	K42EU-D(27) BLEDT20090615ADO	41.2 km 323.8
	Service area 5555.9 84,693	Terrain-limited 4130.6			IX-free, before 64,440 4130.6	IX-free, after 64,440 4128.6	Percent New IX 0.05 0.00
Undesired K42EU-D D27 LD APP		2.0		Total IX 0	Unique IX, before	Unique IX, after 2.0 0	

Interference to proposal scenario 1

Desired:	Call K42EU-D	Chan D27	Svc LD	Status APP	City, State TOPOCK, AZ	File Number K42EU-D(27)	Distance
Undesireds:	K27EC-D KPOM-CD KPVT-LD K28EU-D	D27 D27 D27 D28	LD DC LD LD	LIC APP LIC LIC	LAKE HAVASU CITY, AZ ONTARIO, CA LAS VEGAS, NV LAUGHLIN, ETC., NV	BLDTA20110503ACV BLANK0000034691 BLANK0000010689 BLDTT20120319ADY	48.3 km 318.7 122.5 41.2
	Service area 4306.5 75,273	Terrain-limited 3335.6			IX-free 72,360 3289.5	Percent IX 1.38 1.40	
Undesired K27EC-D D27 LD LIC KPVT-LD D27 LD LIC K28EU-D D28 LD LIC		4.0 1.0 41.0		Total IX 6 0 1,021	Unique IX 4.0 1.0 41.0	Prcnt Unique IX 0.12 0.03 1.23	0.01 0.00 1.39
