

INTERFERENCE ANALYSIS FOR LICENSED KCWQ-LD, PALM SPRINGS, CA, CHANNEL 22, WITH RESPECT TO KMIR-TV

tvstudy v2.2.5 (4uoc83)

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

Study build station data: LMS TV 2018-04-06

Proposal: KCWQ-LD D26 LD LIC PALM SPRINGS, CA
File number: BLDLTL20110819AAU
Facility ID: 167761
Station data: LMS TV 2018-04-06
Record ID: 8e8df9602bd441c186adcf6212b6c0ea
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K19BT	N19-	TX	LIC	LUCERNE VALLEY, CA	BLTT19880307ID	78.0 km
No	KGET-TV	D25	DT	LIC	BAKERSFIELD, CA	BLANK0000007394	273.8
Yes	KVEA	D25	DT	CP	CORONA, CA	BLANK00000034770	155.4
Yes	KVEA	D25	DT	APP	CORONA, CA	BLANK00000049167	155.4
No	NEW	D25	LD	APP	DESERT CENTER, CA	BNPDTL20100514ACT	111.5
No	K25GK	N25+	TX	LIC	JOSHUA TREE, CA	BLTT20000605AOK	50.0
No	KBLM-LP	D25	LD	CP	RIVERSIDE AND PERRIS, CA	BLANK00000005087	110.0
No	KBLM-LP	N25+	TX	LIC	RIVERSIDE AND PERRIS, CA	BLTTL20081209ABP	78.8
No	K25AD	N25	TX	LIC	VICTORVILLE, ETC., CA	BLTT19820105IE	114.0
No	K26GF-D	D26	LD	LIC	PEACH SPRINGS, AZ	BLDTT20130308ACF	331.3
No	KUTP	D26	DT	LIC	PHOENIX, AZ	BLCDT20130625AAK	409.1
No	NEW	D26	LD	APP	BAKERSFIELD, CA	BNPDTL20090825BUD	264.5
No	KUVI-DT	D26	DT	CP	BAKERSFIELD, CA	BLANK00000034321	273.8
No	NEW	D26	LD	APP	BAKERSFIELD, CA	BNPDTL20090825BPK	273.8
No	NEW	D26	LD	APP	BAKERSFIELD, CA	BNPDTL20090825AOJ	286.4
Yes	K26KI-D	D26	LD	CP	BANNING, CA	BNPDTL20090825ACQ	36.1
No	K26FS	N26+	TX	LIC	BLYTHE, CA	BLTT20020311ABG	195.6
No	K17KD	D26	LD	CP	LUCERNE VALLEY, CA	BLANK00000004640	113.9
Yes	KMIR-TV	D26	DT	CP	PALM SPRINGS, CA	BLANK00000034640	0.1
No	KVSD-LD	D26	LD	LIC	SAN DIEGO, CA	BLDTL20130828AFL	107.5
Yes	KSWB-TV	D26	DT	CP	SAN DIEGO, CA	BLANK00000025067	138.1
Yes	KSWB-TV	D26	DT	APP	SAN DIEGO, CA	BLANK00000048783	138.1
No	K26FT-D	D26	LD	LIC	SANTA BARBARA, CA	BLDTT20110106AAI	305.7
No	KSKJ-CD	D26	DC	CP	VAN NUYS, CA	BLANK00000034721	154.8
No	NEW	D26	LD	APP	WINTERHAVEN, CA	BNPDTL20100510AAW	192.4
No	KGNG-LD	D26	LD	CP	LAS VEGAS, NV	BDISDTL20120514AET	263.6
Yes	KVER-CD	D27	DC	CP	INDIO, CA	BLANK00000034462	0.1
No	KPOM-CD	D27	DC	APP	ONTARIO, CA	BLANK00000034691	121.8
No	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK00000036109	78.7
No	K27AE	N27	TX	LIC	VICTORVILLE, ETC., CA	BLTT19820105IF	114.0
No	DK27DS	D27	LD	APP	YUCCA VALLEY, CA	BDFCDTT20120606AAZ	39.8
No	K29GK	N29-	TX	LIC	TWENTYNINE PALMS, ETC, CA	BLTT20060119ADC	50.0
No	KVKV-LP	N29+	TX	LIC	VICTORVILLE, CA	BLTTL20080725ACX	114.4
No	K30GU	N30	TX	LIC	MORONGO VALLEY, CA	BLTT20021211AAS	24.4
No	KRVD-LD	N33+	TX	LIC	BANNING, CA	BLTTL20070103ACI	39.8
No	KVVB-LP	N33+	TX	LIC	LUCERNE VALLEY, CA	BLTT19910927IB	78.0
No	K34EU	N34-	TX	LIC	MORONGO VALLEY, CA	BLTTL19970721JR	24.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26

Mask: Stringent

Latitude: 33 51 58.10 N (NAD83)

Longitude: 116 26 5.00 W

Height AMSL: 485.0 m

HAAT: 0.0 m

Peak ERP: 0.325 kW

Antenna: RFT-LP-1900-D-4 (ID 78630) 200.0 deg

Elev Pattnr: Generic

Elec Tilt: 1.00

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
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0.0 deg	0.009 kW	-65.7 m	5.7 km
45.0	0.012	-218.9	6.0
90.0	0.117	183.1	25.2
135.0	0.303	416.4	39.5
180.0	0.275	352.1	36.9
225.0	0.281	342.1	36.6
270.0	0.287	210.9	31.2
315.0	0.095	207.7	25.3

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 178 m

Distance to Canadian border: 1682.1 km

****Proposal is within coordination distance of Mexican border**

Distance to Mexican border: 140.9 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 313.3 degrees Distance: 643.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 51.7 degrees Distance: 1210.1 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 proposal scenario 1

96.71% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCWQ-LD	D26	LD	LIC	PALM SPRINGS, CA	BLDTL20110819AAU	
Undesireds:	KBLM-LP	D25	LD	CP	RIVERSIDE AND PERRIS, CA	BLANK0000005087	110.0 km
	K26KI-D	D26	LD	CP	BANNING, CA	BNPDTL20090825ACQ	36.1
	K26FS	N26+	TX	LIC	BLYTHE, CA	BLTT20020311ABG	195.6
	KMIR-TV	D26	DT	CP	PALM SPRINGS, CA	BLANK0000034640	0.1
	KSWB-TV	D26	DT	CP	SAN DIEGO, CA	BLANK0000025067	138.1
	KVER-CD	D27	DC	CP	INDIO, CA	BLANK0000034462	0.1
	KPOM-CD	D27	DC	APP	ONTARIO, CA	BLANK0000034691	121.8

Service area	Terrain-limited	IX-free	Percent IX
2437.0 399,996	2125.2 387,239	512.4 12,757	75.89 96.71

Undesired	Total IX	Unique IX	Prcnt Unique IX
K26KI-D D26 LD CP	1.0 0 0.0	0 0.00 0.00	
K26FS N26+ TX LIC	1.0 0 0.0	0 0.00 0.00	
KMIR-TV D26 DT CP	1612.8 374,482 1597.0	374,477 75.14 96.70	
KSWB-TV D26 DT CP	11.9 5 0.0	0 0.00 0.00	
KVER-CD D27 DC CP	4.0 0 0.0	0 0.00 0.00	
