

INTERFERENCE ANALYSIS FOR LICENSED KMMW-LD, STOCKTON, CA, CHANNEL 28, WITH RESPECT TO KBCW(TV)

tvstudy v2.2.5 (4uoc83)

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

Study build station data: LMS TV 2018-05-29

Proposal: KMMW-LD D28 LD LIC STOCKTON, CA
File number: BLDLTL20090518ADI
Facility ID: 18744
Station data: LMS TV 2018-05-29
Record ID: 1851ed5433ac4cbdb508cf6212b6c0ea
Country: U.S.

Search options:

Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KUCO-LP	D27	LD	CP	CHICO, CA	BDFCDLTL20110404AFA	221.9 km
Yes	KGMC	D27	DT	CP	CLOVIS, CA	BLANK0000028225	198.7
No	KJKZ-LP	D27	LD	LIC	FRESNO, CA	BLDIT20140908ADA	198.7
Yes	K27GZ	D27+	LD	CP	MARIPOSA, CA	BLANK0000022396	49.1
No	K27GZ	N27+	TX	LIC	MARIPOSA, CA	BLTT20020221AAJ	89.5
No	KBTW-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	82.5
Yes	KCSM-TV	D27	DT	CP	SAN MATEO, CA	BLANK0000034004	156.7
No	K27LV-D	D27	LD	CP	INCLINE VILLAGE, NV	BMPDIT20130204AAI	151.1
No	NEW	D27	LD	APP	RENO, NV	BNPDLTL20090825BTW	151.1
No	K43LV-D	D28	LD	APP	CHALFANT VALLEY, CA	BLANK0000052608	216.4
No	KBVU	D28	DT	LIC	EUREKA, CA	BLCDT20130607AAU	402.1
No	K28DB-D	D28	LD	LIC	FALL RIVER MILLS, CA	BLDIT20080826AAR	327.1
No	K28CY-D	D28	LD	LIC	LEWISTON, CA	BLDIT20081007AFA	338.3
Yes	K28MZ-D	D28	LD	CP	NEWMAN, CA	BNPDLTL20100513ADV	89.0
No	K28LC-D	D28	LD	LIC	REDDING, CA	BLDIT20140221ACT	311.4
Yes	KMMD-CD	D28	DC	CP	SALINAS, CA	BLANK0000028150	193.1
Yes	KBCW	D28	DT	CP	SAN FRANCISCO, CA	BLANK0000033563	156.7
No	K28MW-D	D28	LD	CP	SANTA MARIA, CA	BNPDLTL20100420AHT	357.0
Yes	KMPH-TV	D28	DT	LIC	VISALIA, CA	BLCDT20030204AGN	229.4
Yes	KMPH-TV	D28	DT	APP	VISALIA, CA	BLANK0000035647	229.4
Yes	KKPM-CD	D28+	DC	APP	Yuba City, CA	BLANK0000036125	153.7
Yes	KKPM-CD	D28+	DC	LIC	Yuba City, CA	BLDTA20100914AHF	153.7
No	K39CX-D	D28	LD	APP	IMLAY, NV	BLANK0000054084	281.0
No	NEW	D28	LD	APP	RENO, NV	BNPDLTL20090825BFX	181.5
No	NEW	D28	LD	APP	RENO, NV	BNPDLTL20090825AXH	175.6
No	NEW	D28	LD	APP	RENO, NV	BNPDLTL20090825BON	184.9
No	NEW	D28	LD	APP	RENO, NV	BNPDLTL20090825AON	181.5
No	K46CC-D	D28	LD	APP	SHURZ, NV	BLANK0000054390	185.2
No	NEW	D28	LD	APP	SPARKS, NV	BNPDLTL20090825BDO	181.4
No	K49CK-D	D28	LD	APP	STEAD, NV	BLANK0000054124	177.3
No	K28GX-D	D28	LD	LIC	WALKER LAKE, NV	BLDIT20111208ACF	196.0
No	KMSG-LD	D29	LD	APP	FRESNO, CA	BLANK0000053772	198.7
No	K29KS-D	D29	LD	CP	GUSTINE, CA	BDISDITL20120530AJM	98.7
No	K29AB	D29	LD	CP	MONTEREY, ETC., CA	BDFCDIT20090604AAD	166.3
No	K29AB	N29	TX	LIC	MONTEREY, ETC., CA	BLTT19811124IC	166.3
Yes	KPIX-TV	D29	DT	LIC	SAN FRANCISCO, CA	BLCDT20091112AIZ	156.7
No	K29ES-D	D29	LD	LIC	CARSON CITY, NV	BLDIT20091105AAY	147.2
No	K48GG-D	D29	LD	APP	HAWTHORNE, NV	BLANK0000052561	175.1
No	KSTV-LP	N32-	TX	LIC	SACRAMENTO, CA	BLTTL20070716ADI	67.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D28

Mask: Stringent

Latitude: 38 7 9.70 N (NAD83)

Longitude: 120 43 30.90 W

Height AMSL: 910.2 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: PSI-PSILP8ANR-28-CP CIRCULARLY POLARIZED (ID 88507) 226.0 deg

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Elev Pattn: Generic
Elec Tilt: 2.00

50.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.361 kW	514.4 m	43.5 km
45.0	0.375	447.1	41.4
90.0	0.323	525.4	43.1
135.0	1.52	425.1	49.3
180.0	6.51	546.4	61.8
225.0	14.9	655.5	70.2
270.0	6.92	714.8	66.3
315.0	1.62	621.3	54.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 556 m

Distance to Canadian border: 1145.9 km

Distance to Mexican border: 681.9 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 244.4 degrees Distance: 100.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 75.7 degrees Distance: 1350.8 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 BLANK0000033563 CP scenario 1

****IX: 2.16% interference caused**

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KBCW	D28	DT	CP	SAN FRANCISCO, CA	BLANK0000033563	
Undesireds:	KMMW-LD	D28	LD	LIC	STOCKTON, CA	BLDTL20090518ADI	156.7 km
	KBTW-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908ADO	123.9
	KMMD-CD	D28	DC	CP	SALINAS, CA	BLANK0000028150	154.4
	KMPH-TV	D28	DT	LIC	VISALIA, CA	BLCDT20030204AGN	338.6
	KKPM-CD	D28+	DC	APP	Yuba City, CA	BLANK0000036125	170.3
	KPIX-TV	D29	DT	LIC	SAN FRANCISCO, CA	BLCDT20091112AIZ	0.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
39447.6 8,226,852	33732.8 7,394,025	28941.0 6,783,168	28498.6 6,636,899	1.53 2.16

Undesired	Total IX	Unique IX, before	Unique IX, after
KMMW-LD D28 LD LIC 3212.2 695,471	442.4 146,269		
KBTW-CD D27 DC LIC 23.1 2,916	0.0 0		
KMMD-CD D28 DC CP 1988.5 55,575	1840.7 23,945		
KMPH-TV D28 DT LIC 1283.8 383,662	89.0 19,425		
KKPM-CD D28+ DC APP 2825.0 564,597	1603.0 191,786		
KPIX-TV D29 DT LIC 6.0 2,837	4.0 2,837		