

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: KYMB License Mod, Model: Longley-Rice
Start: 2023.03.21 11:04:46

Study created: 2023.03.21 11:04:46

Study build station data: LMS TV 2023-03-19

Proposal: KYMB-LD D27 LD LIC MONTEREY, CA
File number: KYMB License Mod
Facility ID: 68025
Station data: User record
Record ID: 154
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	KTVU	D26	LD	LIC	OAKLAND, CA	BLANK0000087000	107.7 km
No	K26MT-D	D26	LD	LIC	PASO ROBLES, CA	BLANK0000088195	127.3
No	KVBC-LP	D26	LD	LIC	REEDLEY, CA	BLDTL20140403ABH	204.1
Yes	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000159177	26.6
No	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	189.5
No	KEBK-LD	D27	LD	LIC	BAKERSFIELD, CA	BLANK0000117286	298.1
No	KUCO-LD	D27	LD	LIC	CHICO, CA	BLANK0000069322	380.7
Yes	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000190993	204.2
No	K27PE-D	D27	LD	LIC	GUSTINE, CA	BLANK0000194139	92.2
No	KTBV-LD	D27	LD	LIC	LOS ANGELES, CA	BLANK0000133940	330.2
No	KEDD-LD	D27	LD	LIC	LOS ANGELES, CA	BLANK0000192948	384.0
No	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000189414	413.6
No	K27NX-D	D27	LD	LIC	RIDGECREST, CA	BLANK0000068894	373.5
No	KBTW-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908AD0	225.8
Yes	KPKJ	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	153.8
No	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	269.8
No	K27EE-D	D27	LD	LIC	UKIAH, CA	BLDTL20120509AFS	314.2
No	KXNV-LD	D27	LD	LIC	INCLINE VILLAGE, NV	BLANK0000162739	344.2
No	KXNV-LD	D27	LD	CP	INCLINE VILLAGE, NV	BDISDTL20110329AAJ	343.8
No	K27OI-D	D27	LD	LIC	MINA / LUNING, NV	BLANK0000071520	376.8
No	K27OD-D	D27	LD	LIC	VERDI/MOGUL, NV	BLANK0000200948	368.6
No	KQRM-LD	D28z	LD	LIC	PETALUMA, CA	BLANK0000068353	146.4
Yes	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	0.7
Yes	KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987	153.8
No	KMPH-TV	D28	DT	LIC	VISALIA, CA	BLANK0000200287	245.5

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: Full Service
Latitude: 36 32 17.80 N (NAD83)
Longitude: 121 37 34.70 W
Height AMSL: 1006.0 m
HAAT: 698.4 m
Peak ERP: 15.0 kW
Antenna: KAT 750 10210 4 X 2 290.0 deg
Elev Pattn: Generic
Elec Tilt: 1.40

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	8.15 kW	957.3 m	72.1 km
45.0	0.618	937.2	54.2
90.0	0.087	887.6	40.9
135.0	0.156	153.7	24.7
180.0	0.794	519.9	48.6
225.0	9.82	608.0	66.3
270.0	9.96	736.9	69.3
315.0	10.0	786.8	70.4

Distance to Canadian border: 1308.3 km

Distance to Mexican border: 581.0 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 355.1 degrees Distance: 132.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 69.4 degrees Distance: 1479.6 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 BLANK0000159177 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000159177	
Undesireds:	KYMB-LD	D27	LD	LIC	MONTEREY, CA	KYMB License Mod	26.6 km
	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	288.0
	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	164.9
	KREN-TV	D26	DT	LIC	RENO, NV	BLCDT20090227AAM	317.5
	KPKJ	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	139.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
13362.3		1,587,068		10475.5 901,923		10395.4 882,069	0.38 0.11
Undesired		Total IX		Unique IX, before		Unique IX, after	
KYMB-LD D27 LD LIC		42.1 1,002				39.1 997	
KUVI-DT D26 DT LIC		7.0 0		2.0 0		2.0 0	
KTFK-DT D26 DT LIC		18.0 3		14.0 3		12.0 3	
KREN-TV D26 DT LIC		3.0 0		2.0 0		2.0 0	
KPKJ D27 DT LIC		17.9 18,854		17.9 18,854		16.9 18,849	

Interference to BLANK0000190993 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000190993	
Undesireds:	KYMB-LD	D27	LD	LIC	MONTEREY, CA	KYMB License Mod	204.2 km
	KBTB-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908AD0	244.9
	KPKJ	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	277.3
	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	287.0
	KMPH-TV	D28	DT	LIC	VISALIA, CA	BLANK0000200287	66.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
34075.1		1,825,003		30391.3 1,806,511		29604.7 1,796,155	0.16 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KYMB-LD D27 LD LIC		79.7 0				46.2 0	
KBTB-CD D27 DC LIC		93.3 182		21.3 0		15.2 0	
KPKJ D27 DT LIC		416.5 1,032		339.6 850		329.5 850	
KEYT-TV D27 DT LIC		4.0 72		1.0 72		1.0 72	
KMPH-TV D28 DT LIC		306.5 9,252		298.5 9,252		297.5 9,252	

Interference to BLANK0000108410 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPKJ	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	
Undesireds:	KYMB-LD	D27	LD	LIC	MONTEREY, CA	KYMB License Mod	153.8 km
	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000159177	139.3
	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	99.2
	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000190993	277.3
	KBTB-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908AD0	123.9
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4
	KKPM-CD	D28+	DC	LIC	YUBA CITY, CA	BLDTA20100914AHF	170.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
33275.4		7,876,739		27984.8 6,962,343		24950.1 6,651,098	4.21 0.25
Undesired		Total IX		Unique IX, before		Unique IX, after	
KYMB-LD D27 LD LIC		1389.1 25,536				1097.2 16,967	
KDJT-CD D26 DC LIC		19.0 4,182		7.0 4,078		1.0 416	
KTFK-DT D26 DT LIC		1404.0 262,691		86.7 5,512		84.6 5,512	
KNSO D27 DT LIC		1238.2 264,612		154.3 19,021		138.2 18,889	
KBTB-CD D27 DC LIC		956.9 121,031		94.4 5,663		92.4 5,663	
KMMD-CD D28 DC LIC		261.6 2,825		196.7 2,688		5.0 127	
KKPM-CD D28+ DC LIC		20.0 1,957		0.0 0		0.0 0	

Interference to BLANK0000068622 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	
Undesireds:	KYMB-LD	D27	LD	LIC	MONTEREY, CA	KYMB License Mod	0.7 km
	KPKJ	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	154.4
	KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987	154.4

KVMM-CD	D28	DC	LIC	SANTA BARBARA, CA	BLANK0000054369	289.4
KMPH-TV	D28	DT	LIC	VISALIA, CA	BLANK0000200287	245.0
KPIX-TV	D29	DT	LIC	SAN FRANCISCO, CA	BLANK0000212264	154.4
Service area	12094.5	Terrain-limited	783,926	8973.7	IX-free, before	649,633
				8713.4	IX-free, after	644,096
				8695.3	Percent New IX	643,514
				0.21		0.09
Undesired				Total IX	Unique IX, before	Unique IX, after
KYMB-LD D27 LD LIC	19.1			582	18.1	582
KPKJ D27 DT LIC	2.0			0	0.0	0
KBCW D28 DT LIC	168.2			5,537	152.2	4,527
KMPH-TV D28 DT LIC	105.0			0	92.0	0
KPIX-TV D29 DT LIC	3.0			1,010	0.0	0

Interference to BLANK0000112987 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987	
Undesireds:	KYMB-LD	D27	LD	LIC	MONTEREY, CA	KYMB License Mod	153.8 km
	KBTW-CD	D27	DC	LIC	SACRAMENTO, CA	BLDTA20140908AD0	123.9
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	154.4
	KMPH-TV	D28	DT	LIC	VISALIA, CA	BLANK0000200287	338.6
	KKPM-CD	D28+	DC	LIC	YUBA CITY, CA	BLDTA20100914AHF	170.3
Service area	39447.6	Terrain-limited	8,226,852	33732.8	IX-free, before	7,394,025	
					28936.0	IX-free, after	6,780,662
					28936.0	Percent New IX	6,780,662
					0.00		0.00
Undesired					Total IX	Unique IX, before	Unique IX, after
KYMB-LD D27 LD LIC	5.0				0	0.0	0
KBTW-CD D27 DC LIC	23.1				2,916	0.0	0
KMMD-CD D28 DC LIC	1988.5				55,575	1841.7	23,978
KMPH-TV D28 DT LIC	1320.1				385,361	151.8	28,681
KKPM-CD D28+ DC LIC	2772.2				560,684	1574.8	195,397

Interference to proposal scenario 1
2.95% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KYMB-LD	D27	LD	LIC	MONTEREY, CA	KYMB License Mod	
Undesireds:	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000159177	26.6 km
	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000190993	204.2
	KPKJ	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	153.8
	KXNV-LD	D27	LD	LIC	INCLINE VILLAGE, NV	BLANK0000162739	344.2
	KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	0.7
	KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987	153.8
Service area	11079.8	Terrain-limited	787,685	7930.5	IX-free	631,825	
					7.43	Percent IX	2.95
Undesired					Total IX	Unique IX	Prcnt Unique IX
KDJT-CD D26 DC LIC	90.2				11,556	31.1	0.39
KNSO D27 DT LIC	49.2				0	20.0	0.77
KPKJ D27 DT LIC	81.0				6,589	0	0.25
KMMD-CD D28 DC LIC	465.8				8,427	36.9	0.47
KBCW D28 DT LIC	1.0				0	664	0.10
					423.8	6,576	1.01
					0.0	0	0.00
					0.00	0.00	0.00