

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: KYMB License Mod, Model: Longley-Rice
Start: 2023.05.05 08:29:47

Study last edited: 2023.05.05 08:29:43

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.

Proposal "before": (none)

Study has been edited. Stations studied for impact of proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
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
KMMD-CD	D28	DC	LIC	SALINAS, CA	BLANK0000068622	0.7
KBCW	D28	DT	LIC	SAN FRANCISCO, CA	BLANK0000112987	153.8

Record parameters as studied:

Channel: D27
Mask: Full Service
Latitude: 36 32 17.80 N (NAD83)
Longitude: 121 37 34.70 W
Height AMSL: 1002.0 m
HAAT: 694.4 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	953.3 m	72.0 km
45.0	0.618	933.2	54.2
90.0	0.087	883.6	40.9
135.0	0.156	149.7	24.5
180.0	0.794	515.9	48.5
225.0	9.82	604.0	66.1
270.0	9.96	732.9	69.3
315.0	10.0	782.8	70.3

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	10434.6	883,066	10395.4	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 KNSO	Chan D27	Svc DT	Status LIC	City, State CLOVIS, CA	File Number BLANK0000190993	Distance
Undesireds:	KYMB-LD KBTB-CD KPJK KEYT-TV KMPH-TV	D27 D27 D27 D27 D28	LD DC DT DT DT	LIC LIC LIC LIC LIC	MONTEREY, CA SACRAMENTO, CA SAN MATEO, CA SANTA BARBARA, CA VISALIA, CA	KYMB License Mod BLDTA20140908AD0 BLANK0000108410 BLCDT20061102ABJ BLANK0000200287	204.2 km 244.9 277.3 287.0 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		29650.9 1,796,155		29606.7 1,796,155	0.15 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KYMB-LD D27 LD LIC		77.6 0		21.3 0		44.2 0	
KBTB-CD D27 DC LIC		93.3 182		0 0		15.2 0	
KPJK 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 KPJK	Chan D27	Svc DT	Status LIC	City, State SAN MATEO, CA	File Number BLANK0000108410	Distance
Undesireds:	KYMB-LD KDJT-CD KTFK-DT KNSO KBTB-CD KMMD-CD KKPM-CD	D27 D26 D26 D27 D27 D28 D28+	LD DC DT DT DC DC DC	LIC LIC LIC LIC LIC LIC LIC	MONTEREY, CA SALINAS/MONTEREY,ETC, CA STOCKTON, CA CLOVIS, CA SACRAMENTO, CA SALINAS, CA YUBA CITY, CA	KYMB License Mod BLANK0000159177 BLCDT20110819ABS BLANK0000190993 BLDTA20140908AD0 BLANK0000068622 BLDTA20100914AHF	153.8 km 139.3 99.2 277.3 123.9 154.4 170.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
33275.4 7,876,739		27984.8 6,962,343		26047.3 6,668,065		24948.1 6,651,098	4.22 0.25
Undesired		Total IX		Unique IX, before		Unique IX, after	
KYMB-LD D27 LD LIC		1393.1 25,536		7.0 4,078		1099.2 16,967	
KDJT-CD D26 DC LIC		19.0 4,182		0 0		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 KMMD-CD	Chan D28	Svc DC	Status LIC	City, State SALINAS, CA	File Number BLANK0000068622	Distance
Undesireds:	KYMB-LD KPJK KBCW KVMM-CD KMPH-TV KPIX-TV	D27 D27 D28 D28 D28 D29	LD DT DT DC DT DT	LIC LIC LIC LIC LIC LIC	MONTEREY, CA SAN MATEO, CA SAN FRANCISCO, CA SANTA BARBARA, CA VISALIA, CA SAN FRANCISCO, CA	KYMB License Mod BLANK0000108410 BLANK0000112987 BLANK0000054369 BLANK0000200287 BLANK0000212264	0.7 km 154.4 154.4 289.4 245.0 154.4
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
12094.5 783,926		8973.7 649,633		8713.4 644,096		8696.3 643,514	0.20 0.09
Undesired		Total IX		Unique IX, before		Unique IX, after	
KYMB-LD D27 LD LIC		18.1 582		0 0		17.1 582	
KPJK D27 DT LIC		2.0 0		0 0		0.0 0	
KBCW D28 DT LIC		168.2 5,537		152.2 4,527		151.2 4,527	
KMPH-TV D28 DT LIC		105.0 0		92.0 0		92.0 0	
KPIX-TV D29 DT LIC		3.0 1,010		0.0 0		0.0 0	

Interference to BLANK0000112987 LIC scenario 1

Desired:	Call KBCW	Chan D28	Svc DT	Status LIC	City, State SAN FRANCISCO, CA	File Number BLANK0000112987	Distance
Undesireds:	KYMB-LD KBTB-CD KMMD-CD KMPH-TV KKPM-CD	D27 D27 D28 D28 D28+	LD DC DC DT DC	LIC LIC LIC LIC LIC	MONTEREY, CA SACRAMENTO, CA SALINAS, CA VISALIA, CA YUBA CITY, CA	KYMB License Mod BLDTA20140908AD0 BLANK0000068622 BLANK0000200287 BLDTA20100914AHF	153.8 km 123.9 154.4 338.6 170.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
39447.6 8,226,852		33732.8 7,394,025		28936.0 6,780,662		28936.0 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		0.0 0	
KBTB-CD D27 DC LIC		23.1 2,916		0.0 0		0.0 0	
KMMD-CD D28 DC LIC		1988.5 55,575		1841.7 23,978		1840.7 23,978	
KMPH-TV D28 DT LIC		1320.1 385,361		151.8 28,681		151.8 28,681	
KKPM-CD D28+ DC LIC		2772.2 560,684		1574.8 195,397		1574.8 195,397	

Interference to proposal scenario 1
2.98% 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		
	KPJK	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		Terrain-limited		IX-free		Percent IX			
11044.6		787,617		7319.5		2.98			
		7910.5		650,989		7.47			
				631,568					
Undesired				Total IX	Unique IX	Prcnt Unique IX			
KDJT-CD D26 DC LIC				95.2	11,613	34.1	4,986		
KNSO D27 DT LIC				51.2	0	21.0	0		
KPJK D27 DT LIC				78.0	6,589	34.0	664		
KMMD-CD D28 DC LIC				465.8	8,616	422.8	6,708		
KBCW D28 DT LIC				1.0	0	0.0	0		