

tvstudy v2.2.5 (4uoc83)  
 Database: localhost, Study: K05EM AP 10w, Model: Longley-Rice  
 Start: 2021.05.10 10:09:18

Study created: 2021.05.10 10:09:18

Study build station data: LMS TV 2021-05-10

Proposal: K05EM.A D5 LD APP PARADISE, CA  
 File number: K05EM AP 10w  
 Facility ID: 8281  
 Station data: User record  
 Record ID: 8  
 Country: U.S.

Build options:  
 Protect pre-transition records not on baseline channel  
 Protect baseline records from LPTV

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	K05DQ-D	D5	LD	LIC	BURNEY, ETC., CA	BLDTV20120209ACT	133.6 km
Yes	KRCB	D5	DT	LIC	COTATI, CA	BLANK0000113357	239.0
No	KVHF-LD	D5	LD	LIC	FRESNO, CA	BLANK0000074995	358.9
No	K05CR-D	D5	LD	LIC	HAYFORK, CA	BLDTV20080930AEH	153.7
Yes	K05JK	N5	TX	LIC	MINERAL, CA	BLTTV19920526IS	54.7
No	K05JK	D5	LD	CP	MINERAL, CA	BDFCDTV20090203ACS	54.7
No	KTFK-DT	D5	LD	APP	STOCKTON, CA	BDRTCDT20090630AFE	215.5
No	K05CF-D	D5	LD	LIC	WEAVERVILLE, CA	BLDTV20090608AAG	153.2
No	K05AF-D	D5	LD	LIC	MINA/LUNING, NV	BLDTV20120307AAT	346.1
No	NEW	D5	LD	CP	RENO, NV	BNPDVL20090825ANV	158.3
No	KOBI	D5	DT	LIC	MEDFORD, OR	BLCDT20091023ACQ	347.9
No	KNNN-LP	D6+	LD	CP	REDDING, CA	BLANK0000013749	120.9
No	KNNN-LP	N6+	TX	LIC	REDDING, CA	BLTVL20060918ACG	120.9
No	KEFM-LP	N6z	TX	LIC	SACRAMENTO, CA	BLANK0000144768	122.8
No	KEFM-LP	N6z	TX	CP	SACRAMENTO, CA	BLANK0000127464	122.8
No	KEFM-LP	N6z	TX	LIC	SACRAMENTO, CA	BLTVL20120410AEA	68.8
No	NEW	D6	LD	CP	RENO, NV	BNPDVL20090825AOE	158.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D5  
 Mask: Simple  
 Latitude: 39 48 24.50 N (NAD83)  
 Longitude: 121 37 38.90 W  
 Height AMSL: 697.2 m  
 HAAT: 0.0 m  
 Peak ERP: 0.010 kW  
 Antenna: SCA-HDCA-5-5 (ID 20825) 210.0 deg  
 Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	-24.8 m	3.0 km
45.0	0.000	-206.0	3.3
90.0	0.000	-69.8	1.6
135.0	0.000	125.7	2.2
180.0	0.004	342.4	22.7
225.0	0.008	465.3	29.0
270.0	0.000	376.7	9.3
315.0	0.000	136.5	1.6

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 143 m

Distance to Canadian border: 948.0 km

Distance to Mexican border: 884.6 km

Conditions at FCC monitoring station: Livermore CA  
Bearing: 182.8 degrees    Distance: 231.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 83.1 degrees    Distance: 1393.1 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%

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Interference to BLANK0000113357 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRCB	D5	DT	LIC	COTATI, CA	BLANK0000113357	
Undesireds:	K05EM	N5	TX	LIC	PARADISE, CA	BLTTV3525	241.3 km
	K05EM.A	D5	LD	APP	PARADISE, CA	K05EM AP 10w	239.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
44808.8	8,771,284	42692.5	8,532,157	42317.1	8,394,060	42296.0 8,354,197	0.05 0.47
Undesired		Total IX		Unique IX, before		Unique IX, after	
K05EM N5 TX LIC		375.4	138,097	375.4	138,097		
K05EM.A D5 LD APP		396.5	177,960			396.5 177,960	

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Interference to BLTTV19920526IS LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K05JK	N5	TX	LIC	MINERAL, CA	BLTTV19920526IS	
Undesireds:	K05EM	N5	TX	LIC	PARADISE, CA	BLTTV3525	54.4 km
	K05EM.A	D5	LD	APP	PARADISE, CA	K05EM AP 10w	54.7
	KRCB	D5	DT	LIC	COTATI, CA	BLANK0000113357	291.8
	K05CF-D	D5	LD	LIC	WEAVERVILLE, CA	BLDTV20090608AAG	124.4
	KNNN-LP	D6+	LD	CP	REDDING, CA	BLANK0000013749	86.1
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
151.0	125	143.0	125	135.0	104	135.0 104	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
K05EM N5 TX LIC		2.0	0	0.0	0		
K05EM.A D5 LD APP		0.0	0			0.0 0	
KRCB D5 DT LIC		2.0	0	1.0	0	2.0 0	
K05CF-D D5 LD LIC		6.0	21	5.0	21	6.0 21	

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Interference to proposal scenario 1  
3.62% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K05EM.A	D5	LD	APP	PARADISE, CA	K05EM AP 10w	
Undesireds:	KRCB	D5	DT	LIC	COTATI, CA	BLANK0000113357	239.0 km
	K05JK	N5	TX	LIC	MINERAL, CA	BLTTV19920526IS	54.7
	KEFM-LP	N6z	TX	LIC	SACRAMENTO, CA	BLANK0000144768	122.8

Service area	Terrain-limited		IX-free	Percent IX
595.0      96,926	584.9      95,978	574.8	92,500	1.72      3.62
Undesired	Total IX		Unique IX	Prcnt Unique IX
KRCB D5 DT LIC	10.1      3,478	10.1	3,478	1.72      3.62