

**PRE-TRANSITION INTERFERENCE ANALYSIS FOR
PROPOSED KMUV-LP, MONTEREY, CA (CHANNEL 21)
(CELL SIZE = 1.0 KM / PROFILE POINT SPACING = 1.0 KM)**

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: kmuv21r, Model: Longley-Rice

Study build station data: LMS TV 2019-01-14

Proposal: KMUV21R D21 LD APP MONTEREY, CA
File number: kmuv21r
Facility ID: 59362
Station data: User record
Record ID: 3569
Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Search options:

Baseline record excluded if station has CP

All post-transition APP, CP, and baseline records excluded

Individual records excluded:

0000030649 KSPX-TV D21 DT CP SACRAMENTO, CA BLANK0000030649 (Post-Transition record.)

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KSEE	D20	DT	CP	FRESNO, CA	BLANK0000029688	187.8 km
No	KFTV-DT	D20	DT	LIC	HANFORD, CA	BLCDT20020906ABE	187.4
No	K20JX-D	D20	DC	CP	SACRAMENTO, CA	BLANK0000036141	225.6
No	KSCZ-LD	D20	LD	LIC	SAN JOSE-SAN FRANCIS, CA	BLANK0000016657	88.9
No	KSCZ-LD	D20	LD	APP	SAN JOSE-SAN FRANCIS, CA	BLANK0000056337	88.9
No	K21MN-D	D21	LD	CP	BAKERSFIELD, CA	BNPDTL20100514ABR	271.3
No	K21IN-D	D21	LD	LIC	RIDGECREST, ETC., CA	BLDTT20090622AAK	371.1
Yes	KMAX-TV	D21	DT	LIC	SACRAMENTO, CA	BLANK0000041624	164.9
Yes	KPMR	D21	DT	LIC	SANTA BARBARA, CA	BLCDT20110607ABB	284.5
Yes	KPMR	D21	DT	APP	SANTA BARBARA, CA	BPCDT20120817ABD	283.8
No	K21CD-D	D21	LD	LIC	UKIAH, CA	BLDTT20120201ALL	297.1
No	KRXI-TV	D21	LD	LIC	RENO, NV	BLCDT20140116ABJ	317.2
No	K22LI-D	D22	LD	CP	NEWMAN, CA	BNPDTL20100513ADU	78.3
No	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK0000030659	168.4
Yes	KLFB-LD	D22	LD	CP	SALINAS, CA	BPDTL20120425AAW	26.8
No	KLFB-LD	D22	LD	LIC	SALINAS, CA	BLDTL20101005ABL	26.9
No	K29AB	N29	TX	LIC	MONTEREY, ETC., CA	BLTT19811124IC	0.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D21

Mask: Full Service

Latitude: 36 45 22.80 N (NAD83)

Longitude: 121 30 8.70 W

Height AMSL: 1001.1 m

HAAT: 0.0 m

Peak ERP: 4.50 kW

Antenna: SCA-K723147 PANEL ARRAY (ID 107544) 340.0 deg
Elev Pattn: Generic

49.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.146 kW	822.4 m	44.0 km
45.0	0.047	767.8	36.2
90.0	0.021	617.8	29.2
135.0	0.069	280.3	27.5
180.0	2.78	701.8	61.0
225.0	2.57	880.1	63.6
270.0	2.35	849.3	62.5
315.0	3.33	770.0	63.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 711 m

Distance to Canadian border: 1285.5 km

Distance to Mexican border: 592.1 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 348.4 degrees Distance: 109.9 km

Proposal is not within the West Virginia quiet zone area

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Conditions at Table Mountain receiving zone:
Bearing: 70.2 degrees Distance: 1460.8 km

No land mobile station failures found

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 BLANK0000041624 LIC scenario 1

Desired:	Call KMAX-TV	Chan D21	Svc DT	Status LIC	City, State SACRAMENTO, CA	File Number BLANK0000041624	Distance			
Undesireds:	KMUV21R	D21	LD	APP	MONTEREY, CA	kmuv21r	164.9 km			
	KCVU	D20	DT	LIC	PARADISE, CA	BLCDDT20081222AAV	192.2			
	K20JX-D	D20	DC	CP	SACRAMENTO, CA	BLANK0000036141	64.4			
	KAME-TV	D20	DT	LIC	RENO, NV	BLANK0000001059	209.8			
	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK0000030659	3.5			
Service area		Terrain-limited			IX-free, before		IX-free, after	Percent New IX		
44037.7	10,636,754	37981.5	6,964,684		37607.6	6,941,677	37420.9	6,912,302	0.50	0.42
Undesired				Total IX		Unique IX, before		Unique IX, after		
KMUV21R	D21	LD	APP	191.8	31,964		186.7	29,375		
KCVU	D20	DT	LIC	3.0	10		3.0	10		
K20JX-D	D20	DC	CP	30.0	2,080		28.0	1,844		
KTXL	D22	DT	CP	343.0	21,153		341.0	20,917		
							335.9	18,328		

Interference to BLCDDT20110607ABB LIC scenario 1

Desired:	Call KPMR	Chan D21	Svc DT	Status LIC	City, State SANTA BARBARA, CA	File Number BLCDDT20110607ABB	Distance
Undesireds:	KMUV21R	D21	LD	APP	MONTEREY, CA	kmuv21r	284.5 km
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
43404.1	1,758,463	33276.4	1,466,233	33276.4	1,466,233	33262.5 1,465,991	0.04 0.02
Undesired	Total IX			Unique IX, before		Unique IX, after	
KMUV21R D21 LD APP	13.9 242			13.9 242			

Interference to BPCDDT20120817ABD APP scenario 1

Desired:	Call KPMR	Chan D21	Svc DT	Status APP	City, State SANTA BARBARA, CA	File Number BPCDT20120817ABD	Distance
Undesireds:	KMUV21R	D21	LD	APP	MONTEREY, CA	kmuv21r	283.8 km
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
42008.9	1,637,433	32729.3	1,437,756	32729.3	1,437,756	32713.4 1,437,551	0.05 0.01
Undesired	Total IX			Unique IX, before		Unique IX, after	
KMUV21R D21 LD APP	15.9 205			15.9 205			

Interference to BPDRTL20120425AAW CP scenario 1

Desired:	Call KLFB-LD	Chan D22	Svc LD	Status CP	City, State SALINAS, CA	File Number BPDTL20120425AAW	Distance
Undesireds:	KMUV21R	D21	LD	APP	MONTEREY, CA	kmuv21r	26.8 km
	K22LI-D	D22	LD	CP	NEWMAN, CA	BNPDTL20100513ADU	104.9
	KTXL	D22	DT	CP	SACRAMENTO, CA	BLANK0000030659	193.3
	KNPB	D22	LD	CP	RENO, NV	BLANK0000052186	343.1
	K23LK-D	D23	LD	CP	MODESTO, CA	BLANK000004713	110.4
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
10550.5	715,735	7685.8	604,253	7677.8	604,253	7676.8 604,241	0.01 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
KMUV21R	D21	LD	APP	1.0 12		1.0 12	
K22LI-D	D22	LD	CP	3.0 0	2.0 0	2.0 0	
KTXL	D22	DT	CP	6.0 0	5.0 0	5.0 0	