

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: KJOU ch 12 New Ant, Model: Longley-Rice  
Start: 2022.11.09 16:14:38

Study created: 2022.11.09 16:14:38

Study build station data: LMS TV 2022-10-15

Proposal: KJOU-LD D12 LD LIC BAKERSFIELD, CA  
File number: KJOU ch 12 New Ant  
Facility ID: 130272  
Station data: User record  
Record ID: 125  
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
Yes	NEW	D11	LD	CP	BAKERSFIELD, CA	BNPDTL20090825BPK	0.0 km
No	KTTV	D11	DT	LIC	LOS ANGELES, CA	BLANK0000196952	148.3
No	KGMC	D11	DT	LIC	MERCED, CA	BLANK0000156689	192.1
Yes	KDOC-TV	D12	DT	LIC	ANAHEIM, CA	BLANK0000068699	147.3
Yes	KJKZ-LD	D12	LD	LIC	FRESNO, CA	BLANK0000108044	153.3
No	K12XJ-D	D12-	LD	LIC	MODESTO, CA	BLANK0000114101	319.4
No	KYAV-LD	D12	LD	LIC	PALM SPRINGS, CA	BLANK0000008152	273.8
No	K12XN-D	D12	LD	CP	SALINAS, CA	BNPDTL20090825AFN	286.2
No	KG0-TV	D12	DT	LIC	SAN FRANCISCO, CA	BLANK0000113050	419.5
No	DK12QZ-D	D12	LD	CP	SAN LUIS OBISPO, CA	BLANK0000001161	174.8
No	DK12QZ-D	D12	LD	LIC	SAN LUIS OBISPO, CA	BLANK0000073197	174.8
No	DK12QZ-D	D12	LD	LIC	SAN LUIS OBISPO, CA	BLDVL20140218AHS	173.7
No	K12P0	D12	LD	CP	TEMECULA, CA	BMPDVL20111116AZX	251.7
No	K12P0	N12-	TX	LIC	TEMECULA, CA	BLTTV20040219ACC	251.7
No	KVGA-LD	D12	LD	LIC	LAS VEGAS, NV	BLANK0000143327	338.5
No	KVGA-LD	D12	LD	CP	LAS VEGAS, NV	BLANK0000143685	343.0
No	KVGA-LD	D12	LD	LIC	LAS VEGAS, NV	BLANK0000201387	343.0
No	K12MW-D	D12	LD	LIC	MANHATTAN, NV	BLDVT20110531AQN	375.3
No	KRNV-DT	D12	DT	LIC	RENO, NV	BLANK0000117234	442.7
No	KKEY-LP	D13	LD	LIC	BAKERSFIELD, CA	BLDVL20140416ABN	0.1
No	KCOP-TV	D13	DT	LIC	LOS ANGELES, CA	BLANK0000196958	148.3
No	KVBC-LP	D13	LD	CP	REEDLEY, CA	BDFCDVL20090821ADB	153.3
No	DDK13NF	N13	TX	APP	RIDGECREST, ETC., CA	BLTTV4572	105.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D12  
Mask: Full Service  
Latitude: 35 26 15.80 N (NAD83)  
Longitude: 118 44 29.30 W  
Height AMSL: 1070.5 m (Adjusted based on actual ground elevation calculation)  
HAAT: 347.8 m  
Peak ERP: 3.00 kW  
Antenna: kat 2 x1 840 10293 280.0 deg  
Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.002 kW	208.7 m	13.2 km
45.0	0.004	-4.1	5.9
90.0	0.108	-404.0	13.7
135.0	0.018	228.8	24.0
180.0	0.000	627.5	10.0
225.0	0.176	755.1	60.3
270.0	2.75	849.7	85.5
315.0	1.15	579.4	70.7

Database HAAT does not agree with computed HAAT  
Database HAAT: 348 m Computed HAAT: 355 m

Distance to Canadian border: 1475.0 km

Distance to Mexican border: 337.7 km

Conditions at FCC monitoring station: Livermore CA  
Bearing: 314.3 degrees Distance: 370.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 62.3 degrees Distance: 1292.3 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 BNPDTL20090825BPK CP scenario 1

Desired:	Call NEW	Chan D11	Svc LD	Status CP	City, State BAKERSFIELD, CA	File Number BNPDTL20090825BPK	Distance
Undesireds:	KJOU-LD	N12z	TX	LIC	BAKERSFIELD, CA	BLTVL20080819ABF	0.0 km
	KJOU-LD	D12	LD	LIC	BAKERSFIELD, CA	KJOU ch 12 New Ant	0.0
	KERO-TV	D10	DT	LIC	BAKERSFIELD, CA	BLCDT20100929AEF	13.4
	K10PV-D	D10	LD	CP	SANTA BARBARA, CA	BPDTV20111104ABY	137.7
	KTTV	D11	DT	LIC	LOS ANGELES, CA	BLANK0000196952	148.3
	KGMC	D11	DT	LIC	MERCED, CA	BLANK0000156689	192.1
	DK12QZ-D	D12	LD	CP	SAN LUIS OBISPO, CA	BLANK0000001161	174.8

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	5168.9	609,897	5126.0	609,897	4054.9	581,343	4044.0	581,337	0.27 0.00
Undesired			Total IX		Unique IX, before		Unique IX, after		
KJOU-LD N12z TX LIC		0.0	0		0.0	0			
KJOU-LD D12 LD LIC		36.8	10				10.9	6	
KERO-TV D10 DT LIC		23.8	4	18.9	4		0.0	0	
KTTV D11 DT LIC		2.0	0	1.0	0		1.0	0	
KGMC D11 DT LIC		1050.3	28,550	1046.3	28,550		1041.3	28,550	

Interference to BLANK0000068699 LIC scenario 1

Desired:	Call KDOC-TV	Chan D12	Svc DT	Status LIC	City, State ANAHEIM, CA	File Number BLANK0000068699	Distance
Undesireds:	KJOU-LD	N12z	TX	LIC	BAKERSFIELD, CA	BLTVL20080819ABF	147.3 km
	KJOU-LD	D12	LD	LIC	BAKERSFIELD, CA	KJOU ch 12 New Ant	147.3
	KTTV	D11	DT	LIC	LOS ANGELES, CA	BLANK0000196952	1.1
	KCOP-TV	D13	DT	LIC	LOS ANGELES, CA	BLANK0000196958	1.1

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	63147.6	18,356,688	53643.0	17,685,962	53588.0	17,684,125	53579.1	17,684,124	0.02 0.00
Undesired			Total IX		Unique IX, before		Unique IX, after		
KJOU-LD N12z TX LIC		38.0	0		38.0	0			
KJOU-LD D12 LD LIC		47.0	1				47.0	1	
KTTV D11 DT LIC		11.0	1,711	0.0	0		0.0	0	
KCOP-TV D13 DT LIC		17.0	1,837	5.9	126		5.9	126	

Interference to BLANK0000108044 LIC scenario 1

Desired:	Call KJKZ-LD	Chan D12	Svc LD	Status LIC	City, State FRESNO, CA	File Number BLANK0000108044	Distance
Undesireds:	KJOU-LD	N12z	TX	LIC	BAKERSFIELD, CA	BLTVL20080819ABF	153.3 km
	KJOU-LD	D12	LD	LIC	BAKERSFIELD, CA	KJOU ch 12 New Ant	153.3
	KGMC	D11	DT	LIC	MERCED, CA	BLANK0000156689	38.8
	K12XJ-D	D12-	LD	LIC	MODESTO, CA	BLANK0000114101	183.9
	KRJR-LD	D12z	LD	LIC	SACRAMENTO, CA	BLANK0000190413	286.2
	DK12QZ-D	D12	LD	CP	SAN LUIS OBISPO, CA	BLANK0000001161	214.5

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	7495.6	1,100,276	7194.2	1,099,937	7089.9	1,098,017	7018.5	1,093,241	1.01 0.43
Undesired			Total IX		Unique IX, before		Unique IX, after		
KJOU-LD N12z TX LIC		0.0	0		0.0	0			
KJOU-LD D12 LD LIC		102.5	6,448				71.4	4,776	
KGMC D11 DT LIC		92.2	1,920	90.2	1,920		59.1	248	
K12XJ-D D12- LD LIC		14.0	0	12.0	0		12.0	0	

Interference to proposal scenario 1

Desired:	Call KJOU-LD	Chan D12	Svc LD	Status LIC	City, State BAKERSFIELD, CA	File Number KJOU ch 12 New Ant	Distance
Undesireds:	KDOC-TV	D12	DT	LIC	ANAHEIM, CA	BLANK0000068699	147.3 km
	DK12QZ-D	D12	LD	CP	SAN LUIS OBISPO, CA	BLANK0000001161	174.8
	K12P0	D12	LD	CP	TEMECULA, CA	BMPDVL20111116AZX	251.7
	KKEY-LP	D13	LD	LIC	BAKERSFIELD, CA	BLDVL20140416ABN	0.1

	Service area		Terrain-limited		IX-free		Percent IX		
	6413.5	684,354	6234.6	684,235	6191.8	683,742	0.69	0.07	
Undesired			Total IX		Unique IX		Prcnt Unique IX		
KDOC-TV D12 DT LIC		9.9	0		0		0.16	0.00	
KKEY-LP D13 LD LIC		32.9	493	32.9	493		0.53	0.07	