

Study created: 2019.04.16 15:29:06

Study build station data: LMS TV 2019-04-16

Proposal: K40NF-D D24 LD CP SANTA BARBARA, CA
File number: BNPDTL20100429ADD
Facility ID: 185822
Station data: User record
Record ID: 133
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	KSMV-LD	D23	LD	LIC	LOS ANGELES, CA
	BLDTL20110425ACA			150.3 km	
No	KSMV-LD	D23	LD	CP	LOS ANGELES, CA
	BPDTL20130515ACU			150.3	
No	KTFF-DT	D23	DT	LIC	PORTERVILLE, CA
	BLANK0000064190			216.3	
No	KFUL-LD	D23	LD	CP	SAN LUIS OBISPO, CA
	BLANK0000052471			133.6	
No	KVMD	D23	DD	CP	TWENTYNINE PALMS, CA
	BPCDT20100325ACD			258.7	
No	KVMD	D23	DT	LIC	TWENTYNINE PALMS, CA
	BLCDT20060615AAB			267.4	
Yes	KIMG-LD	D23	LD	LIC	VENTURA, CA
	BLDTL20130508ABU			34.0	
No	K24GS	N24+	TX	LIC	BAKERSFIELD, CA
	BLTTL20050118ADI			114.4	
No	K24LC-D	D24	LD	CP	BAKERSFIELD, CA
	BNPDTL20100514ABN			91.2	
No	KBID-LP	D24	LD	LIC	FRESNO, CA
	BLDTL20140403ABF			290.7	
No	K24LD-D	D24	LD	CP	LOST HILLS, CA
	BNPDTL20100514ACB			100.0	
No	K15CA	D24+	LD	CP	LUCERNE VALLEY, CA
	BLANK0000004637			219.4	
No	KMCE-LD	D24+	LD	LIC	MONTEREY, CA
	BLANK0000064357			303.3	
No	NEW	D24	LD	APP	MONTEREY, CA
	BNPDTL20090825BCC			266.2	
No	K24LT-D	D24	LD	CP	PALM SPRINGS, CA
	BNPDTL20100202AAV			305.7	
No	KMAX-TV	D24	DT	CP	SACRAMENTO, CA
	BLANK0000066967			450.1	
No	NEW	D24	LD	APP	SALINAS, CA
	BNPDTL20090825BPM			303.3	

No	NEW	D24	LD	APP	SALINAS, CA
	BNPDTL20090825ANM		289.4		
Yes	KPXN-TV	D24	DT	LIC	SAN BERNARDINO, CA
	BLANK0000068510		150.2		
No	KBNT-CD	D24	DC	LIC	SAN DIEGO, CA
	BLANK0000068521		288.4		
No	KKFX-CD	D24	DC	CP	SAN LUIS OBISPO, CA
	BLANK0000035688		133.6		
No	KKFX-CD	D24	DC	LIC	SAN LUIS OBISPO, CA
	BLDTA20150102AAC		133.6		
No	K24KE-D	D24	LD	CP	SANTA MARIA, CA
	BNPDTL20100420AHR		86.9		
No	KGET-TV	D25	DT	LIC	BAKERSFIELD, CA
	BLANK0000007394		137.7		
No	KVEA	D25	DT	CP	CORONA, CA
	BLANK0000049167		150.4		
No	KLFA-LD	D25	LD	LIC	SANTA MARIA, CA
	BLDTL20120411AAJ		76.4		

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

KTMS 990 L DA2 D SANTA BARBARA, CA BL19880927AB
 KTMS 990 L DA2 N SANTA BARBARA, CA BL19890314AA

Record parameters as studied:

Channel: D24
 Mask: Full Service
 Latitude: 34 27 56.90 N (NAD83)
 Longitude: 119 40 41.40 W
 Height AMSL: 664.2 m (Adjusted based on actual ground elevation calculation)
 HAAT: 0.0 m
 Peak ERP: 5.00 kW
 Antenna: PSI-PSIUCB4NC (ID 106770) 235.0 deg
 Elev Pattn: Generic

49.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.070 kW	-22.5 m	9.3 km
45.0	0.048	-53.7	8.5
90.0	0.032	-210.9	7.6
135.0	0.040	644.9	32.9
180.0	0.328	658.3	45.9
225.0	4.69	626.5	62.3
270.0	1.84	507.2	53.7
315.0	0.002	18.5	3.7

Database HAAT does not agree with computed HAAT
 Database HAAT: 0 m Computed HAAT: 271 m

Distance to Canadian border: 1562.4 km

Distance to Mexican border: 292.5 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 333.4 degrees Distance: 407.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 59.5 degrees Distance: 1419.5 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%

No IX check failures found.