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Study build station data: LMS TV 2018-08-24

Proposal: KHAX-LP D30 LD APP VISTA, CA
File number: KHAX-LP D30 Pre-PostT
Facility ID: 70394
Station data: User record
Record ID: 2161
Country: U.S.

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

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	K15BZ	N15-	TX	LIC	DAGGETT, CA	BLTT19880307IC	187.6 km
No	KUNA-LP	N15-	TX	LIC	INDIO, CA	BLTTL20031124AQH	110.5
No	K15CA	N15+	TX	LIC	LUCERNE VALLEY, CA	BLTT19880307IE	141.6
No	K15FC-D	N15+	TX	LIC	twentynine palms, CA	BLTT20080902AEC	130.7
No	K29LS-D	D29	LD	CP	CALEXICO, CA	BLANK0000051948	179.2
No	K50EW	D29z	LD	APP	LUCERNE VALLEY, CA	BLANK0000054645	141.6
Yes	KFTR-DT	D29	DT	LIC	ONTARIO, CA	BLCDT20100401AFY	138.8
Yes	KFTR-DT	D29	DT	APP	ONTARIO, CA	BLANK0000035667	138.8
No	KPSE-LD	D29	LD	LIC	PALM SPRINGS, CA	BLDTL20140903AFX	100.7
No	K29GK	N29-	TX	LIC	TWENTYNINE PALMS,ETC, CA	BLTT20060119ADC	149.0
No	K29GK	D29	LD	APP	TWENTYNINE PALMS,ETC, CA	BDFCDTT20120113AEJ	149.0
No	K30GG-D	D30	LD	LIC	CHLORIDE, AZ	BLDTT20130308AAS	368.1
No	K30LL-D	D30	LD	LIC	KINGMAN, AZ	BLDTT20111207AFE	366.5
No	NEW	D30	LD	APP	PARKER, AZ	BNPDTL20100514AEG	294.5
No	K30NQ-D	D30	LD	CP	SENTINEL, AZ	BNPDTL20100510AAT	372.8
No	K30NK-D	D30	LD	CP	BAKERSFIELD, CA	BNPDTL20100514ABT	286.9
No	K30MN-D	D30	LD	CP	BARSTOW, CA	BNPDTL20091204AEA	182.9
No	NEW	D30	LD	APP	DESERT CENTER, CA	BNPDTL20100514ACU	187.3
No	KFSN-TV	D30	DT	APP	FRESNO, CA	BPCDT20121206AAP	475.3
No	KFSN-TV	D30	DT	LIC	FRESNO, CA	BLCDT20110914ABW	475.3
Yes	K30GU	D30	LD	CP	MORONGO VALLEY, CA	BDFCDTT20120110ADL	111.7
No	K30GU	N30	TX	LIC	MORONGO VALLEY, CA	BLTT20021211AAS	111.7
No	K30BQ	N30	TX	LIC	NEEDLES, CA	BLTT19880722ID	328.8
No	K30BQ	D30	LD	CP	NEEDLES, CA	BDFCDTT20100519ADJ	328.8
Yes	KCIO-LD	D30	LD	LIC	ONTARIO, CA	BLANK0000004783	118.0
Yes	KXLA	D30	DT	CP	RANCHO PALOS VERDES, CA	BLANK0000026148	138.7
No	K35HO-D	D30	LD	APP	RIDGECREST, CA	BLANK0000054394	255.8
Yes	KSGA-LD	D30	LD	LIC	SAN BERNARDINO, CA	BLANK0000029861	138.7
Yes	KPBS	D30	DT	LIC	SAN DIEGO, CA	BLEDT20011203CEP	62.1 /1
No	K30MV-D	D30	LD	CP	SANTA BARBARA, CA	BNPDTL20100727ACY	294.4
No	KDFS-CD	D30-	DC	LIC	SANTA MARIA, CA	BLANK0000001617	364.9
Yes	K51AN	D30	LD	CP	VICTORVILLE, ETC., CA	BLANK0000004633	155.3
No	K41IO-D	D30	LD	CP	LAS VEGAS, NV	BLANK0000054771	369.1
No	K49AB	D30+	LD	CP	PAHRUMP, NV	BLANK0000054450	341.8
Yes	KCBS-TV	D31	DT	CP	LOS ANGELES, CA	BLANK0000034593	139.5
Yes	KTLA	D31	DT	LIC	LOS ANGELES, CA	BLCDT20050713ACE	138.7
No	NEW	D31	LD	APP	PALM SPRINGS, CA	BNPDTL20090825BLV	92.8
No	KRET-CD	D31	DC	LIC	PALM SPRINGS, CA	BLDTA20140702ADK	100.5
Yes	KTCD-LP	D31+	LD	APP	SAN DIEGO, CA	BLANK0000053784	30.5
No	K31AD	N31	TX	LIC	VICTORVILLE, ETC., CA	BLTT19900108IL	155.4
No	K31MF-D	D31	LD	CP	YUCCA VALLEY, CA	BNPDTL20100512AFR	97.9
No	K32EM-D	N32	TX	LIC	MORONGO VALLEY, CA	BLTTL19970721JS	111.7
No	KRVD-LD	N33+	TX	LIC	BANNING, CA	BLTTL20070103ACI	97.9
No	K34EU	N34-	TX	LIC	MORONGO VALLEY, CA	BLTTL19970721JR	111.7
No	KSCD-LP	N38-	TX	LIC	BIG BEAR LAKE, CA	BLTTL20080630ADI	109.9
No	XHENB	D29	DT	LIC	ENSENADA, BN	BLANKBPFS20160301ABR	157.2
No	XHTIT	D29	DT	LIC	TIJUANA, BN	BLANKBPFS20091109AAC	80.4
No	CADENATRES	D30	DT	LIC	SAN FELIPE, BN	BLANKBPFS20160524AAW	329.2
No	LICITACION	D30	DT	LIC	SAN QUINTIN SAN TELM, BN	BLANKBPFS20131125AZG	317.0
Yes	LICITACION	D30	DT	LIC	TIJUANA, BN	BLANKBPFSXXXXX0004XXX	80.5
No	XHRCS	D30	DT	LIC	SAN LUIS RIO COLORAD, SO	BLANKBPFS20160302AAE	239.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30
Mask: Full Service
Latitude: 33 12 53.10 N (NAD83)
Longitude: 117 11 18.10 W
Height AMSL: 531.0 m
HAAT: 0.0 m
Peak ERP: 1.00 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 1.00

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.00 kW	388.1 m	45.5 km
45.0	1.00	265.2	40.0
90.0	1.00	122.4	31.8
135.0	1.00	290.3	41.1
180.0	1.00	315.9	42.3
225.0	1.00	418.0	46.3
270.0	1.00	444.1	47.0
315.0	1.00	415.2	46.3

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 332 m

Distance to Canadian border: 1749.5 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 73.3 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 321.8 degrees Distance: 649.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 50.7 degrees Distance: 1309.9 km

Study cell size: 1.00 km
Profile point spacing: 0.50 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

**IX check failure to BLEDT20011203CEP LIC scenario 1, 8.30% interference caused /1
**IX check failure to BLEDT20011203CEP LIC scenario 2, 8.30% interference caused /1

---- Below is IX received by proposal KHAX-LP D30 Pre-PostT ----

Proposal receives 17.26% interference from scenario 1
Proposal receives 17.26% interference from scenario 2

/1 KHAX-LP will not commence operation on channel 30 until KPBS on channel 19 at San Diego moves from channel 30 to channel 19 and commences operation. San Diego is a Phase 2 market with an April 12, 2019 Phase commencement date.