

**THREE ANGELS BROADCASTING
NETWORK, INC.**

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When an interference analysis was performed on K15HV's existing facility it was found that KBIT, Chico, CA's T-Mobile displacement application BLANK0000029360 would receive 3.88% interference. After an investigation was made, it was determined that by changing K15HV to channel 14 as set forth in the study below would mitigate the interference without losing a significant number of viewers.

Study created: 2018.04.11 13:57:03

Study build station data: LMS TV 2018-04-11 (18)

Proposal: K15HV-D D14 LD LIC CHICO, CA

File number: BLDLTL20080805AAT

Facility ID: 129362

Station data: User record

Record ID: 149

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	KVIQ-LD	D14	LD	LIC	Eureka, ca, CA	BLANK0000034113	208.1 km
Yes	K14HX-D	D14	LD	LIC	LAKEHEAD, CA	BLDTT20080826AAP	123.0
Yes	KDTS-LD	D14	LD	APP	SAN FRANCISCO, CA	BLANK0000052106	253.5
No	K14KQ-D	D14	LD	LIC	LOVELOCK, NV	BLDTL20120530A00	276.2
No	KNRC-LD	D14	LD	LIC	SPARKS, NV	BLDTL20100910AEI	168.8
No	K14JY-D	D14	LD	LIC	WALKER LAKE, NV	BLDTT20111128DZW	311.2
No	K14QH-D	D14	LD	LIC	BUTTE FALLS, OR	BLANK0000016527	299.4
No	K04JP	D14	LD	CP	WILLIAMS, OR	BDCCDTT20141002AAL	279.1
No	KBIT-LD	D15	LD	APP	CHICO, CA	BLANK0000029360	84.1
No	K15FJ	N15+	TX	LIC	LAKEPORT, CA	BLTTL20011115ACR	140.6
No	K15CX	D15	LD	CP	OROVILLE, CA	BDFCDTT20110613ACB	56.2
No	K15CX	N15z	TX	LIC	OROVILLE, CA	BLTTL20020613AAH	56.2
No	K46HI-D	D15z	LD	APP	REDDING, CA	BLANK0000035822	103.2
No	KNPB	D15	LD	LIC	RENO, NV	BLEDT20101109ACK	167.2
No	KNPB	D15	DT	LIC	RENO, NV	BLEDT20031023AAU	168.8
No	KXVU-LP	N17-	TX	LIC	CHICO, CA	BLTTL20060303AAJ	0.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D14

Mask: Full Service

Latitude: 39 57 29.00 N (NAD83)

Longitude: 121 42 53.00 W

Height AMSL: 1114.0 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: KAT-K72314 (ID 19753) 235.0 deg

Elev Pattn: Generic

48.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.063 kW	112.8 m	18.5 km
45.0	0.002	65.4	5.6
90.0	0.013	82.5	10.8
135.0	0.054	309.7	28.1
180.0	1.79	571.0	56.4
225.0	13.8	689.9	72.7
270.0	6.24	643.3	66.2
315.0	0.074	446.9	33.6

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 365 m

Distance to Canadian border: 930.2 km

Distance to Mexican border: 902.9 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 180.8 degrees Distance: 248.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 83.8 degrees Distance: 1398.6 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%

No IX check failures found.