

# THREE ANGELS BROADCASTING NETWORK, INC.

PO Box 220  
West Frankfort, IL 62896  
618 627 4651

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Study created: 2017.12.05 18:03:27

Study build station data: LMS TV 2017-11-28 (10)

Proposal: K20JX-D D20 DC LIC SACRAMENTO, CA

File number: BLDTA20101006AAS

Facility ID: 334

Station data: User record

Record ID: 76

Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KMPH-CD	D19	DC	CP	MERCED-MARIPOSA, CA	BLANK0000034512	172.2 km
Yes	KMUM-CD	D19	DC	CP	SACRAMENTO, CA	BLANK0000026704	24.3
Yes	KMUM-CD	D19	DC	BL	SACRAMENTO, CA	DTVBL18736	24.3
Yes	KSTS	D19	DT	CP	SAN JOSE, CA	BLANK0000027737	152.9
Yes	KSTS	D19	DT	APP	SAN JOSE, CA	BLANK0000034597	152.9
Yes	KSTS	D19	DT	BL	SAN JOSE, CA	DTVBL64987	153.0
No	KVME-TV	D20	DT	LIC	BISHOP, CA	BLANK0000001562	304.6
Yes	KNVN	D20	DT	CP	CHICO, CA	BLANK0000027885	181.6
Yes	KNVN	D20	DT	APP	CHICO, CA	BLANK0000034865	181.6
Yes	KNVN	D20	DT	BL	CHICO, CA	DTVBL33745	181.6
No	KSEE	D20	DT	CP	FRESNO, CA	BLANK0000029688	245.4
Yes	KDTV-DT	D20	DT	CP	SAN FRANCISCO, CA	BLANK0000025150	152.9
Yes	KDTV-DT	D20	DT	APP	SAN FRANCISCO, CA	BLANK0000034452	152.9
Yes	KDTV-DT	D20	DT	BL	SAN FRANCISCO, CA	DTVBL33778	153.0
Yes	KAME-TV	D20	DT	LIC	RENO, NV	BLANK0000001059	151.4
No	KFTV-DT	D21	DT	CP	HANFORD, CA	BLANK0000025107	244.9
No	KFTV-DT	D21	DT	APP	HANFORD, CA	BLANK0000034318	244.9
No	KFTV-DT	D21	DT	BL	HANFORD, CA	DTVBL34439	244.9
Yes	KSPX-TV	D21	DT	APP	SACRAMENTO, CA	BLANK0000030649	61.5
No	KCNZ-CD	D21z	DC	CP	SAN FRANCISCO, CA	BLANK0000028256	161.2
No	KCNZ-CD	D21z	DC	APP	SAN FRANCISCO, CA	BLANK0000034944	161.2
No	KCNZ-CD	D21	DC	BL	SAN FRANCISCO, CA	DTVBL52887	161.2
Yes	KDTV-CD	D21	DC	CP	SANTA ROSA, CA	BLANK0000025110	122.7
Yes	KDTV-CD	D21	DC	APP	SANTA ROSA, CA	BLANK0000034669	122.7
Yes	KDTV-CD	D21	DC	BL	SANTA ROSA, CA	DTVBL18148	122.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D20

Mask: Stringent

Latitude: 38 46 21.33 N (NAD83)

Longitude: 121 12 33.04 W

Height AMSL: 207.0 m

HAAT: 0.0 m  
Peak ERP: 15.0 kW  
Antenna: SCA-4DR-16S (ID 20735) 215.0 deg  
Elev Pattn: Generic

49.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.018 kW	80.7 m	11.1 km
45.0	0.150	-24.5	11.5
90.0	0.009	24.2	5.9
135.0	0.198	46.9	15.3
180.0	8.33	136.6	44.7
225.0	14.4	158.8	49.0
270.0	2.90	162.2	41.1
315.0	0.013	151.2	14.0

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 92 m

Distance to Canadian border: 1067.1 km

Distance to Mexican border: 765.7 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 202.4 degrees    Distance: 125.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 78.7 degrees    Distance: 1375.8 km

No land mobile station failures found

Study cell size: 2.00 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%

---- Below is IX received by proposal BLDTA20101006AAS ----

\*\*MX with BLANK0000030649 APP scenario 1, 1.66% interference received  
\*\*MX with scenario 2, 1.66% interference received  
\*\*MX with BLANK0000030649 APP scenario 3, 1.32% interference received  
\*\*MX with scenario 4, 1.66% interference received  
\*\*MX with BLANK0000030649 APP scenario 5, 1.66% interference received  
\*\*MX with scenario 6, 1.66% interference received  
\*\*MX with scenario 7, 1.32% interference received  
\*\*MX with scenario 8, 1.66% interference received  
\*\*MX with BLANK0000030649 APP scenario 9, 1.32% interference received