

Study created: 2018.04.03 16:39:16

Study build station data: LMS TV 2018-03-30

Proposal: KCMN-LD D28 LD LIC Kansas City, MO

File number: KCMN

Facility ID: 184190

Station data: User record

Record ID: 706

Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KKSU-LD	N21z	TX	LIC	MANHATTAN, KS	BLTTL19950512ID	179.8 km
Yes	KSNT	D27	DT	LIC	TOPEKA, KS	BLCDT20090910ABY	110.6
No	K48MR-D	D28z	LD	APP	BENTONVILLE & ROGERS, AR	BLANK0000029375	295.5
No	WBXF-CD	D28z	DC	CP	DES MOINES, IA	BLANK0000035778	295.4
No	WBXF-CD	D28z	DC	LIC	DES MOINES, IA	BLANK0000005069	295.4
No	K28NF-D	D28	LD	APP	FORT DODGE, IA	BLANK0000010852	295.4
No	K28JD-D	D28	LD	LIC	FORT MADISON, IA	BLDTT20091229AEU	317.9
No	KSIN-TV	D28	DT	LIC	SIOUX CITY, IA	BLEDT20050726AMC	417.3
No	WRBU	D28	DT	CP	EAST ST. LOUIS, IL	BLANK0000034410	355.5
No	KWKD-LP	N28+	TX	LIC	WICHITA, KS	BLTT20050801AHP	285.6
No	KWKD-LP	D28	LD	CP	WICHITA, KS	BDFCDTL20101025AAU	295.5
No	KLMC-LP	N28+	TX	LIC	JEFFERSON CITY, MO	BLTTL20050613AFP	201.5
No	KLMC-LP	D28	LD	CP	JEFFERSON CITY, MO	BDFCDTL20120625ACS	193.3
Yes	KOZL-TV	D28	DT	LIC	SPRINGFIELD, MO	BLCDT20070213ABB	241.7
No	KHNE-TV	D28	DT	APP	HASTINGS, NE	BLANK0000035896	362.5

No	KHNE-TV	D28	DT LIC	HASTINGS, NE	BLEDT20030409ABN	362.5
No	KTPX-TV	D28	DT LIC	OKMULGEE, OK	BLCDT20020510AAQ	381.4
No	K38AK-D	D28	LD APP	PONCA CITY, OK	BLANK0000029429	336.9
No	KMBC-TV	D29	DT LIC	KANSAS CITY, MO	BLCDT20090618ACY	7.6
No	KXVO	D29	DT CP	OMAHA, NE	BLANK0000028202	271.2
No	KXVO	D29	DT APP	OMAHA, NE	BLANK0000034544	271.2

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

KCCV 760 L DA2 D OVERLAND PARK, KS BL20060720AEI

KCCV 760 L DA2 N OVERLAND PARK, KS BL20060720AEI

KMBZ 980 C DAN D KANSAS CITY, MO BP20140729ACZ

KMBZ 980 C DAN N KANSAS CITY, MO BP20140729ACZ

Record parameters as studied:

Channel: D28

Mask: Full Service

Latitude: 39 0 56.50 N (NAD83)

Longitude: 94 30 25.00 W

Height AMSL: 471.3 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: Omnidirectional

Elev Pattn: Generic

Elec Tilt: 0.75

50.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	19.3 kW	236.7 m	54.2 km
45.0	19.3	180.7	50.9
90.0	19.3	206.9	52.4
135.0	19.3	181.6	51.0
180.0	19.3	173.1	50.5
225.0	19.3	212.5	52.8
270.0	19.3	181.4	51.0
315.0	19.3	209.1	52.6

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 198 m

Distance to Canadian border: 1015.8 km

Distance to Mexican border: 1205.6 km

Conditions at FCC monitoring station: Grand Island NE

Bearing: 303.6 degrees    Distance: 395.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 281.0 degrees    Distance: 925.9 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%

Proposal receives 12.03% interference from scenario 1

No IX check failures found.