

Study created: 2018.04.08 19:46:40

Study build station data: LMS TV 2018-03-31 (46)

Proposal: KCDN-LD D19 (D14) LD LIC KANSAS CITY, MO
File number: BLDTL20120424AAA
Facility ID: 67837
Station data: User record
Record ID: 1179
Country: U.S.

Build options:

Protect pre-transition records not on baseline channel
Protect baseline records from LPTV

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K18KK-D	D18	LD	CP	COLUMBIA, MO	BLANK0000035620	171.5 km
No	KCPT	D18	DT	LIC	KANSAS CITY, MO	BLEDT20090821AAU	7.3
No	KDMI	D19	DT	LIC	DES MOINES, IA	BLCDDT20120627AAE	321.2
No	KDMI	D19	DT	APP	DES MOINES, IA	BPCDDT20130205AAM	321.2
No	K44AB-D	D19	LD	APP	KEOKUK, IA	BLANK0000035258	307.4
No	WHOI	D19	DT	LIC	PEORIA, IL	BLCDDT20140723ACQ	457.8
Yes	KWCH-DT	D19	DT	LIC	HUTCHINSON, KS	BLCDDT20090929ACC	302.1
No	K19KF-D	D19	LD	CP	PAXICO, KS	BNPDTL20100514AIB	143.9
Yes	KYTV	D19	DT	CP	SPRINGFIELD, MO	BLANK0000033931	247.2
Yes	KYTV	D19	DT	BL	SPRINGFIELD, MO	DTVBL36003	247.2
No	KPTN-LD	D19	LD	LIC	ST. LOUIS, MO	BLANK0000035378	366.2
No	KJII-LD	D19	LD	LIC	LINCOLN, NE	BLANK0000014079	272.3
No	KXNE-TV	D19	DT	APP	NORFOLK, NE	BLANK0000035898	426.7
No	KXNE-TV	D19	DT	LIC	NORFOLK, NE	BLEDT20090615ADS	426.7
No	KAUT-TV	D19	DT	BL	OKLAHOMA CITY, OK	DTVBL50182	462.6
No	KEGG-LD	D19	LD	LIC	TULSA, OK	BLDTL20130222ADJ	389.0
No	KPJO-LP	D20	LD	APP	PITTSBURG, KS	BLANK0000026473	204.0
No	KTMJ-CD	D20	DC	CP	TOPEKA, KS	BLANK0000034733	110.0
No	KTMJ-CD	D20	DC	BL	TOPEKA, KS	DTVBL43649	108.0
No	KNLJ	D20	DT	LIC	JEFFERSON CITY, MO	BLCDDT20110121ACA	212.8
No	KUKC-LD	D20	LD	LIC	KANSAS CITY, MO	BLDTL20150205AAF	6.2

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: D19
Mask: Full Service
Latitude: 39 1 19.90 N (NAD83)
Longitude: 94 30 49.70 W
Height AMSL: 477.1 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 1.00

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	17.0 kW	234.2 m	54.4 km
45.0	17.0	188.3	51.7
90.0	17.0	211.8	53.1
135.0	17.0	187.1	51.7
180.0	17.0	181.4	51.4
225.0	17.0	202.5	52.6
270.0	17.0	187.9	51.7
315.0	17.0	213.9	53.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 201 m

Distance to Canadian border: 1016.0 km

Distance to Mexican border: 1205.9 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 303.6 degrees Distance: 394.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 281.0 degrees Distance: 925.2 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 BLDTL20120424AAA ----

Proposal receives 8.78% interference from scenario 1

**MX with BPCDT20130205AAM APP scenario 2, 8.78% interference received