

Study created: 2018.04.25 10:18:07

Study build station data: LMS TV 2018-04-25 (52)

Proposal: KCKS-LD D19 LD LIC KANSAS CITY, KS
File number: BLANK0000004587
Facility ID: 187964
Station data: User record
Record ID: 1364
Country: U.S.

Build options:

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

Individual records excluded:

0000051767 KCDN-LD D19 LD APP *P KANSAS CITY, MO BLANK0000051767

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K18KK-D	D18	LD	CP	COLUMBIA, MO	BLANK0000035620	210.7 km
Yes	KCPT	D18	DT	LIC	KANSAS CITY, MO	BLEDT20090821AAU	40.8
No	KDMI	D19	DT	LIC	DES MOINES, IA	BLCDT20120627AAE	318.5
Yes	KDMI	D19	DT	APP	DES MOINES, IA	BPCDT20130205AAM	318.5
No	K44AB-D	D19	LD	APP	KEOKUK, IA	BLANK0000035258	333.4
Yes	KWCH-DT	D19	DT	LIC	HUTCHINSON, KS	BLCDT20090929ACC	273.0
Yes	K19KF-D	D19	LD	CP	PAXICO, KS	BNPDTL20100514AIB	106.7
Yes	KYTV	D19	DT	CP	SPRINGFIELD, MO	BLANK0000033931	280.9
Yes	KYTV	D19	DT	BL	SPRINGFIELD, MO	DTVBL36003	280.9
No	KJII-LD	D19	LD	LIC	LINCOLN, NE	BLANK0000014079	240.0
No	KXNE-TV	D19	DT	APP	NORFOLK, NE	BLANK0000035898	395.5
No	KXNE-TV	D19	DT	LIC	NORFOLK, NE	BLEDT20090615ADS	395.5
No	K19IR-D	D19	LD	CP	ENID, OK	BPDTL20140320ADY	405.9
No	KAUT-TV	D19	DT	CP	OKLAHOMA CITY, OK	BLANK0000034050	457.7
No	KAUT-TV	D19	DT	BL	OKLAHOMA CITY, OK	DTVBL50182	454.2
No	KQRY-LD	D19	LD	APP	SALLISAW, OK	BLANK0000042182	378.9
No	KEGG-LD	D19	LD	LIC	TULSA, OK	BLDTL20130222ADJ	391.7
No	K20LM-D	D20	LD	CP	MANHATTAN, KS	BNPDTL20100728ACH	142.1
No	KPJO-LP	D20	LD	APP	PITTSBURG, KS	BLANK0000026473	218.8
No	KTMJ-CD	D20	DC	CP	TOPEKA, KS	BLANK0000034733	72.6
No	K20KR-D	D20	LD	LIC	TOPEKA, KS	BLANK0000013644	148.4
No	KTMJ-CD	D20	DC	BL	TOPEKA, KS	DTVBL43649	71.2
No	KNLJ	D20	DT	LIC	JEFFERSON CITY, MO	BLCDT20110121ACA	251.9
Yes	KUKC-LD	D20	LD	LIC	KANSAS CITY, MO	BLDTL20150205AAF	40.6

No KETV D20 DT LIC OMAHA, NE

BLCDT20041222AED

256.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D19

Mask: Full Service

Latitude: 39 8 58.00 N (NAD83)

Longitude: 94 56 45.00 W

Height AMSL: 548.0 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: SWR-SWLP80I (ID 24202) 90.0 deg

Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	6.53 kW	262.9 m	51.1 km
45.0	11.9	280.8	55.2
90.0	15.0	260.9	55.3
135.0	11.9	278.6	55.1
180.0	6.53	262.6	51.1
225.0	5.58	283.2	51.4
270.0	6.73	261.8	51.2
315.0	5.58	268.7	50.6

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 270 m

Distance to Canadian border: 1025.1 km

Distance to Mexican border: 1197.7 km

Conditions at FCC monitoring station: Grand Island NE

Bearing: 304.7 degrees Distance: 355.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 280.2 degrees Distance: 886.0 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%

---- Below is IX received by proposal BLANK0000004587 ----

Proposal receives 16.31% interference from scenario 1
**MX with BPCDT20130205AAM APP scenario 2, 16.31% interference received