

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: KIJK-ASR1213879_RAD260, Model: Longley-Rice

Start: 2019.07.23 11:19:10

Study created: 2019.07.23 11:19:10

Study build station data: LMS TV 2019-07-23

Proposal: KIJK-LD D24 LD CP LINCOLN, NE

File number: KIJK-ASR1213879_RAD260

Facility ID: 183628

Station data: User record

Record ID: 2054

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Search options:

Non-U.S. records included

All records for new LPTV stations excluded

Individual records excluded:

0000014082 KIJK-LD D24 LD LIC LINCOLN, NE BLANK0000014082

0000058673 KIJK-LD D24 LD CP LINCOLN, NE BLANK0000058673

Stations potentially affected by proposal:

IX	Call	Chan	Svc Status	City, State	File Number	Distance
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No	K23AA-D	D23	LD LIC	BEATRICE, NE	BLDTT20081114ACW	69.2 km
No	K23MC-D	D23	LD CP	GRAND ISLAND, NE	BNPDTL20101001AAM	138.7
No	KRPG-LD	D24	LD LIC	DES MOINES, IA	BLANK0000072385	313.2
No	KRPG-LD	D24	LD CP	DES MOINES, IA	BLANK0000073890	313.2
No	K24IM-D	D24	LD LIC	KEOSAUQUA, IA	BLDTT20111228AAV	402.5
No	KIMT	D24	DT LIC	MASON CITY, IA	BLANK0000067292	442.9
No	K24KD-D	D24	LD CP	SALIX, IA	BNPDTL20100505AEZ	170.6
No	K24LF-D	D24	LD CP	CHAPMAN, KS	BNPDTL20100514AHW	207.6
No	K24LG-D	D24	LD CP	RUSSELL, KS	BNPDTL20100514AHI	279.9
No	KGPT-CD	D24	DC LIC	WICHITA, KS	BLDTA20130404ABI	343.0
No	KGPT-CD	D24	DC CP	WICHITA, KS	BDCCDTL20111228ACD	343.0
No	K24KZ-D	D24	LD CP	BREWSTER, MN	BNPDTL20100510AJI	331.0
Yes	KCTV	D24	DT LIC	KANSAS CITY, MO	BLCDT20110405ABD	266.7
Yes	K24GO-D	D24	LD LIC	BLAIR, NE	BLDTT20081125ANJ	92.6
No	K24HG-D	D24	LD LIC	COZAD, NE	BLDTL20090817AAH	251.7
No	K24JG-D	D24	LD LIC	NORFOLK, NE	BLDTT20140722ACZ	144.9
No	K24LP-D	D24	LD CP	MITCHELL, SD	BNPDTL20100510AIC	339.4
No	KCSD-TV	D24	DT LIC	SIOUX FALLS, SD	BLEDT20081121AKM	305.9
No	KMCI-TV	D25	DT LIC	LAWRENCE, KS	BLANK0000074650	277.1
No	K25OG-D	D25	LD LIC	FALLS CITY, NE	BLANK0000058740	111.5
Yes	KQMK-LD	D25	LD LIC	LINCOLN, NE	BLANK0000014083	32.7
No	K31BW	N31	TX LIC	MANHATTAN, KS	BLTTL19890119II	177.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D24

Mask: Full Service

Latitude: 40 49 22.80 N (NAD83)

Longitude: 96 43 13.10 W

Height AMSL: 430.1 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: Omnidirectional

Elev Pattn: Generic

49.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	53.3 m	37.0 km
45.0	15.0	79.5	41.4
90.0	15.0	58.4	38.1
135.0	15.0	30.1	30.6
180.0	15.0	63.6	38.9
225.0	15.0	53.7	37.1
270.0	15.0	55.4	37.5
315.0	15.0	52.0	36.7

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 56 m

Distance to Canadian border: 885.7 km

Distance to Mexican border: 1298.9 km

Conditions at FCC monitoring station: Grand Island NE

Bearing: 275.0 degrees Distance: 144.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 266.9 degrees Distance: 722.5 km

Study cell size: 0.50 km

Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

Interference to BLCDT20110405ABD LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCTV	D24	DT LIC	KANSAS CITY, MO	BLCDT20110405ABD	
Undesireds:	KIJK-LD	D24	LD CP	LINCOLN, NE	KIJK-ASR1213879_RAD260	266.7 km
	KGPT-CD	D24	DC LIC	WICHITA, KS	BLDTA20130404ABI	292.5
	KMOV	D24	DT LIC	ST. LOUIS, MO	BLCDT20090626ACG	375.8
	KMCI-TV	D25	DT LIC	LAWRENCE, KS	BLANK0000074650	11.1
Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
33944.0	2,545,459	33484.5	2,542,345	33339.4	2,540,500	33338.9 2,540,500 0.00 0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
KIJK-LD D24 LD CP	0.5	0	0.5	0	
KGPT-CD D24 DC LIC	1.2	2	1.2	2	1.2
KMOV D24 DT LIC	20.7	54	19.9	54	19.9
KMCI-TV D25 DT LIC	123.9	1,789	123.1	1,789	123.1

Interference to BLCDT20110405ABD LIC scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCTV	D24	DT LIC	KANSAS CITY, MO	BLCDT20110405ABD	

Undesireds:	KIJK-LD	D24	LD CP	LINCOLN, NE	KIJK-ASR1213879_RAD260	266.7 km
	KGPT-CD	D24	DC CP	WICHITA, KS	BDCCDTL20111228ACD	292.5
	KMOV	D24	DT LIC	ST. LOUIS, MO	BLCDT20090626ACG	375.8
	KMCI-TV	D25	DT LIC	LAWRENCE, KS	BLANK0000074650	11.1

Service area	Terrain-limited	IX-free, before		IX-free, after		Percent New IX	
33944.0	2,545,459	33484.5	2,542,345	33339.4	2,540,500	33338.9	2,540,500
						0.00	0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
KIJK-LD D24 LD CP	0.5	0	0.5	0	
KGPT-CD D24 DC CP	1.2	2	1.2	2	1.2
KMOV D24 DT LIC	20.7	54	19.9	54	19.9
KMCI-TV D25 DT LIC	123.9	1,789	123.1	1,789	123.1

Interference to BLDTT20081125ANJ LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K24GO-D	D24	LD LIC	BLAIR, NE	BLDTT20081125ANJ	

Undesireds:	KIJK-LD	D24	LD CP	LINCOLN, NE	KIJK-ASR1213879_RAD260	92.6 km
	KRPG-LD	D24	LD LIC	DES MOINES, IA	BLANK0000072385	245.1
	K24KD-D	D24	LD CP	SALIX, IA	BNPDTL20100505AEZ	90.4
	K24JV-D	D24	LD CP	ST. JAMES, MN	BLANK0000058896	312.6
	KCSD-TV	D24	DT LIC	SIOUX FALLS, SD	BLEDT20081121AKM	231.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
231.7	9,049	231.0	9,044	229.7
		9,038	229.7	9,038
			0.00	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KIJK-LD D24 LD CP	0.3	0	0.0
K24KD-D D24 LD CP	1.3	6	0.8
KCSD-TV D24 DT LIC	0.5	0	0.0

Interference to BLANK0000014083 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KQMK-LD	D25	LD LIC	LINCOLN, NE	BLANK0000014083	

Undesireds:	KIJK-LD	D24	LD CP	LINCOLN, NE	KIJK-ASR1213879_RAD260	32.7 km
	KTIN	D25	DT LIC	FORT DODGE, IA	BLEDT20070822ACB	261.1
	KMCI-TV	D25	DT LIC	LAWRENCE, KS	BLANK0000074650	275.3
	K25OG-D	D25	LD LIC	FALLS CITY, NE	BLANK0000058740	106.7
	KFDY-LD	D26	LD LIC	LINCOLN, NE	BLDTL20110908ACA	27.8
	KPTM	D26	DT CP	OMAHA, NE	BLANK0000033633	17.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1077.7	21,234	1051.6	20,487	558.6	9,837	558.6	9,837	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KIJK-LD D24 LD CP	8.0	74			0.0	0
KTIN D25 DT LIC	1.0	9	0.0	0	0.0	0
KMCI-TV D25 DT LIC	0.5	4	0.0	0	0.0	0
K25OG-D D25 LD LIC	1.9	4	0.0	0	0.0	0
KFDY-LD D26 LD LIC	35.3	1,356	0.5	0	0.5	0
KPTM D26 DT CP	492.5	10,650	454.8	9,286	454.8	9,286

Interference to proposal scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KIJK-LD	D24	LD CP	LINCOLN, NE	KIJK-ASR1213879_RAD260	

Undesireds:	K23AA-D	D23	LD LIC	BEATRICE, NE	BLDTT20081114ACW	69.2 km
	KRPG-LD	D24	LD LIC	DES MOINES, IA	BLANK0000072385	313.2
	KCTV	D24	DT LIC	KANSAS CITY, MO	BLCDT20110405ABD	266.7
	KQMK-LD	D25	LD LIC	LINCOLN, NE	BLANK0000014083	32.7

Service area		Terrain-limited		IX-free		Percent IX	
4279.1	320,289	4263.9	320,246	4240.6	319,767	0.55	0.15

Undesired	Total IX		Unique IX		Prcnt Unique IX	
K23AA-D D23 LD LIC	18.7	448	18.7	448	0.44	0.14
KCTV D24 DT LIC	1.2	8	1.2	8	0.03	0.00

KQMK-LD D25 LD LIC	3.4	23	3.4	23	0.08	0.01
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