

K15IJ-D FI 184051

Minor Modification: Change ASR, ERP, antenna make and model. ASR 11031179 is outside the 121km circle for Springfield, Tulsa, Wichita and Kansas City. Controlled access site. K16IS-D and K14NX-D is co-owned by Edge Spectrum /EICB-EAST and will be moving to the same site.

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: ASRA 1031179, Model: Longley-Rice

Start: 2022.06.30 13:44:37

Study created: 2022.06.30 13:44:36

Study build station data: LMS TV 2022-06-29

Proposal: K15IJ-D D15 LD CP PITTSBURG, KS
File number: ASRA 1031179
Facility ID: 184051
Station data: User record
Record ID: 1181
Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K14NX-D	D14	LD	CP	PITTSBURG, KS	BNPDTL20100106AGD	7.1 km
No	KUKC-LD	D14	LD	LIC	KANSAS CITY, MO	BLANK0000120582	192.6
No	K14SH-D	D14	LD	LIC	MARSHFIELD, MO	BLANK0000124637	154.6
No	KTUL	D14	DT	CP	TULSA, OK	BLANK0000170605	173.3
No	KHOG-TV	D15	DT	LIC	FAYETTEVILLE, AR	BLCDT20020904AAX	158.6
No	K27JP-D	D15	LD	CP	LITTLE ROCK, AR	BLANK0000192997	352.8
No	K26PI-D	N15z	TX	LIC	Kansas City, KS	BLTTL19880714IH	302.2
No	KSNW	D15	DT	LIC	WICHITA, KS	BLANK0000107924	251.3
No	K15MB-D	D15	LD	LIC	KANSAS CITY, MO	BLANK0000185547	186.7
No	KPOB-TV	D15	DT	LIC	POPLAR BLUFF, MO	BLCDT20090623ABU	382.7
No	KNPN-LD	D15	LD	LIC	SAINT JOSEPH, MO	BLANK0000064322	267.1
No	KMOS-TV	D15	DT	LIC	SEDALIA, MO	BLEDT20030108ABK	215.1
No	K15KP-D	D15	LD	LIC	ST. LOUIS, MO	BLANK0000079901	407.0
No	KFXL-TV	D15	DT	LIC	LINCOLN, NE	BLANK0000105938	409.7
No	K15HL-D	D15	LD	LIC	CHEROKEE & ALVA, OK	BLDTT20101007ABG	346.9
No	K15AA-D	D15	LD	LIC	HUGO, OK	BLDTT20100226AFI	379.7
No	K15LM-D	D15	LD	LIC	MCALESTER, OK	BLANK0000068703	277.3
No	KTBO-TV	D15	DT	LIC	OKLAHOMA CITY, OK	BLANK0000160936	316.7
No	KXAP-LD	D15	LD	LIC	TULSA, OK	BLANK0000075371	173.9
No	KAJL-LD	D16	LD	LIC	FAYETTEVILLE, AR	BLANK0000112285	141.6
No	K16IS-D	D16	LD	CP	PITTSBURG, KS	BNPDTL20100106AGF	7.1
No	KTKA-TV	D16	DT	LIC	TOPEKA, KS	BLANK0000122453	214.0
No	KOZK	D16	DT	LIC	SPRINGFIELD, MO	BLANK0000096081	157.9
No	KWHB	D16	DT	LIC	TULSA, OK	BLANK0000067852	182.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D15
Mask: Simple
Latitude: 37 21 0.00 N (NAD83)
Longitude: 94 42 46.00 W
Height AMSL: 287.0 m (Adjusted based on actual ground elevation calculation)
HAAT: 0.0 m
Peak ERP: 0.100 kW
Antenna: SBP-UPSL (ID 100733) 0.0 deg
Elev Pattn: Generic

48.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.100 kW	7.2 m	10.7 km
45.0	0.023	4.4	7.5
90.0	0.000	5.9	2.5
135.0	0.000	16.3	2.5
180.0	0.000	16.5	2.5
225.0	0.000	8.2	2.5
270.0	0.000	7.4	2.5
315.0	0.023	-1.6	7.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 8 m

Distance to Canadian border: 1114.9 km

Distance to Mexican border: 1045.0 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 322.3 degrees Distance: 510.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 291.9 degrees Distance: 961.3 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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%

Interference to proposal scenario 1
85.81% interference received

Distance	Call	Chan	Svc	Status	City, State	File Number	
Desired:	K15IJ-D	D15	LD	CP	PITTSBURG, KS	ASRA 1031179	
Undesireds:	K14NX-D	D14	LD	CP	PITTSBURG, KS	BNPDTL20100106AGD	7.1
km							
	KHOG-TV	D15	DT	LIC	FAYETTEVILLE, AR	BLCDT20020904AAX	158.6
	KSNW	D15	DT	LIC	WICHITA, KS	BLANK0000107924	251.3
	KMOS-TV	D15	DT	LIC	SEDALIA, MO	BLEDT20030108ABK	215.1
	K16IS-D	D16	LD	CP	PITTSBURG, KS	BNPDTL20100106AGF	7.1

Service area	Terrain-limited	IX-free	Percent IX
105.6 22,874	104.6 22,864	16.3 3,244	84.42 85.81

Undesired	Total IX	Unique IX	Prcnt Unique IX
K14NX-D D14 LD CP	88.3 19,620	0.0 0	0.00 0.00
KHOG-TV D15 DT LIC	10.0 413	0.0 0	0.00 0.00
KSNW D15 DT LIC	3.0 248	0.0 0	0.00 0.00
KMOS-TV D15 DT LIC	9.9 343	0.0 0	0.00 0.00
K16IS-D D16 LD CP	88.3 19,620	0.0 0	0.00 0.00

K15JD-D.C

BNPDTL-20100106AGE

Latitude: 37-23-38.90 N

Longitude: 094-46-14.40 W

ERP: 15.00 kW

Channel: 15

Frequency: 479.0 MHz

AMSL Height: 328.7 m

Elevation: 283.5 m

Horiz. Pattern: Omni

Vert. Pattern: Yes

Elec Tilt: 0.75

Prop Model: Longley-Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 311.0

Receiver Ht AG: 10.0 m

Receiver Gain: 0 dB

Time Variability: 90.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

