Displacement

KCKS-LD, Channel 25, is being displaced by KMCI, Channel 25, Lawrence, KS, 37.7 Km away. Please see below.

Study created: 2018.04.04 16:44:19

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

Proposal: KCKS-LD D25 LD LIC KANSAS CITY, KS
File number: BLANK0000004587
Facility ID: 187964
Station data: User record
Record ID: 1126
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	KCTV	D24	DT	LIC	KANSAS CITY, MO	BLCDT20110405ABD	31.4 km
No	KXNW	D25	DT	CP	EUREKA SPRINGS, AR	BLANK0000034210	310.5
No	KXNW	D25	DT	BL	EUREKA SPRINGS, AR	DTVBL81593	310.4
No	KJNM-LD	D25	LD	CP	FAYETTEVILLE, AR	BLANK0000010834	334.1
No	KFDF-CD	D25	DC	CP	FORT SMITH, AR	BLANK0000034445	408.3
No	KTIN	D25	DT	LIC	FORT DODGE, IA	BLEDT20070822ACB	416.5
No	KWKB	D25	DT	LIC	IOWA CITY, IA	BLCDT20070130AJQ	421.9
No	K25CV-D	D25	LD	LIC	HAYS, KS	BLDTL20130729AOQ	379.0
Yes	KMCI-TV	D25	DT	CP	LAWRENCE, KS	BLANK0000034675	37.7
Yes	KMCI-TV	D25	DT	BL	LAWRENCE, KS	DTVBL42636	37.7
No	K25NB-D	D25	LD	CP	SALINA, KS	BNPDTL20100930ARK	229.2
No	KYCW-LD	D25	LD	LIC	BRANSON, MO	BLANK0000022105	273.4
No	KYCW-LD	D25	LD	CP	BRANSON, MO	BLANK0000036581	276.0
No	K25NR-D	D25	LD	CP	COLUMBIA, MO	BLANK0000001278	231.5
Yes	KOZJ	D25	DT	LIC	JOPLIN, MO	BLEDT20060620ABP	226.8
No	K25NG-D	D25	DC	LIC	ST. LOUIS, MO	BLDTL20130805ABR	411.0
Yes	K46FG-D	D25	LD	APP	FALLS CITY, NE	BLANK0000029188	139.7
No	KQMK-LD	D25	LD	LIC	LINCOLN, NE	BLANK0000014083	245.5
No	KGCT-CD	D25	DC	LIC	NOWATA, OK	BLDTA20091222AAA	272.5
No	KWTV-DT	D25	DT	CP	OKLAHOMA CITY, OK	BLANK0000028029	448.7
No	KWTV-DT	D25	DT	BL	OKLAHOMA CITY, OK	DTVBL25382	448.7
No	K25MA-D	D25	LD	CP	PONCA CITY, OK	BNPDTL20100216AAZ	361.1

No	KUTU-CD	D25	DC	LIC	TULSA, OK	BLDTA20110506AAV	339.7
No	WROB-LD	D26	LD	LIC	TOPEKA, KS	BLDTL20140908AFA	75.7
No	K26KU-D	D26	LD	CP	MARSHALL, MO	BNPDTL20090825BXR	165.4
No	KNPN-LD	D26	LD	LIC	SAINT JOSEPH, MO	BLDTL20120426ACC	73.7
No	K26KV-D	D26	LD	CP	SEDALIA, MO	BNPDTL20090825BWL	154.8
No	KPTM	D26	DT	CP	OMAHA, NE	BLANK0000033633	245.4
No	KPTM	D26	DT	BL	OMAHA, NE	DTVBL51491	245.4
No	KQKC-LP	N32z	TX	LIC	TOPEKA, KS	BLTTL20100128AAE	105.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D25
       Mask: Full Service
   Latitude:  39  5 32.00 N (NAD83)
  Longitude:  94 56 43.00 W
Height AMSL: 371.8 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic
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49.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	82.1 m	41.7 km
45.0	15.0	90.9	42.9
90.0	15.0	88.0	42.5
135.0	15.0	118.9	45.9
180.0	15.0	100.4	44.1
225.0	15.0	103.5	44.4
270.0	15.0	95.8	43.5
315.0	15.0	106.3	44.7

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 98 m

Distance to Canadian border: 1031.2 km

Distance to Mexican border: 1192.3 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 305.6 degrees Distance: 359.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 280.6 degrees Distance: 887.2 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%

***IX check failure to BLANK0000034675 CP scenario 1, 10.45% interference caused*
***IX check failure to BLANK0000034675 CP scenario 2, 10.45% interference caused*
***IX check failure to DTVBL42636 BL scenario 1, 10.12% interference caused*
***IX check failure to DTVBL42636 BL scenario 2, 10.12% interference caused*

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

***MX with BLANK0000029188 APP scenario 1, 80.15% interference received*