Study created: 2020.03.11 14:01:09 JMc

Study build station data: LMS TV 2020-03-11

```
    Proposal: KCNH-LD D26 LD CP JOPLIN, MO
 File number: BLANK0000080797
 Facility ID: 186288
Station data: User record
   Record ID: 732
     Country: U.S.
```

Build options:
Protect pre-transition records not on baseline channel

Individual records excluded:
0000080797   KCNH-LD D26 LD CP JOPLIN, MO BLANK0000080797

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KXNW	D25	DT	LIC	EUREKA SPRINGS, AR	BLANK0000059458	110.3 km
No	KFDF-CD	D25	DC	LIC	FORT SMITH, AR	BLANK0000064348	221.5
No	KMCI-TV	D25	DT	LIC	LAWRENCE, KS	BLANK0000074650	225.4
Yes	KYCW-LD	D25	LD	LIC	BRANSON, MO	BLANK0000022105	18.6
No	KFKY-LD	D25	LD	CP	JOPLIN, MO	BLANK0000081821	0.0
Yes	K26GS-D	D26	LD	LIC	HARRISON, AR	BLDTL20100517AFK	125.0
No	KENH-LD	D26	LD	LIC	HOT SPRINGS, AR	BLANK0000080593	277.9
No	K26PC-D	D26	LD	CP	OTTUMWA, IA	BNPDTL20101013AAT	412.3
No	WROB-LD	D26	LD	LIC	TOPEKA, KS	BLDTL20140908AFA	297.3
No	KSAS-TV	D26	DT	LIC	WICHITA, KS	BLCDT20021120AAN	381.4
No	K26KH-D	D26	LD	CP	COLUMBIA, MO	BLANK0000071588	192.9
Yes	K26KT-D	D26	LD	CP	ELDON, MO	BLANK0000071733	132.1
No	K26KU-D	D26	LD	CP	MARSHALL, MO	BNPDTL20090825BXR	211.9
No	K26KV-D	D26	LD	CP	SEDALIA, MO	BNPDTL20090825BWL	154.1
No	KPLR-TV	D26	DT	APP	ST. LOUIS, MO	BLANK0000050068	296.6
No	KPLR-TV	D26	DT	LIC	ST. LOUIS, MO	BLCDT20030812ABY	296.6
No	WBUY-TV	D26	DT	LIC	HOLLY SPRINGS, MS	BLANK0000063641	378.5
No	KTEN	D26	DT	LIC	ADA, OK	BLCDT20060630ABA	436.8
No	K26PE-D	D26	LD	CP	PONCA CITY, OK	BLANK0000071808	391.6
No	KXUN-LD	D26	LD	LIC	SALLISAW, OK	BLANK0000064232	221.5
Yes	KOTV-DT	D26	DT	CP	TULSA, OK	BLANK0000028019	255.0
No	WUWT-CD	D26	DC	LIC	UNION CITY, TN	BLDTA20120625ACG	383.9
No	KFTA-TV	D27	DT	LIC	FORT SMITH, AR	BLCDT20090331AEC	186.3
No	K27OS-D	D27	LD	CP	ROLLA, MO	BNPDTL20090825BJV	152.6
Yes	KULG-LD	D27	LD	LIC	Springfield, MO	BLANK0000007881	43.6
Yes	KULG-LD	D27	LD	CP	Springfield, MO	BLANK0000036446	47.2
No	KCLJ-LP	N30z	TX	LIC	JOPLIN/CARTHAGE, MO	BLTTA20050506ACG	103.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D26
       Mask: Full Service
   Latitude:  37 13 24.80 N (NAD83)
  Longitude:  93 14 30.50 W
Height AMSL: 534.0 m
```

HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattrn: Generic
Elec Tilt: 0.75

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	145.9 m	47.7 km
45.0	15.0	110.2	45.0
90.0	15.0	118.6	45.8
135.0	15.0	133.3	46.8
180.0	15.0	150.3	48.0
225.0	15.0	143.6	47.5
270.0	15.0	139.7	47.2
315.0	15.0	165.5	49.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 138 m

Distance to Canadian border: 1012.0 km

Distance to Mexican border: 1120.7 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 314.2 degrees Distance: 607.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 290.9 degrees Distance: 1087.5 km

Study cell size: 1.00 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%

No IX check failures found.