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Study build station data: LMS TV 2021-12-10

Proposal: KDSI-LD D33 LD CP JOPLIN, MO  
File number: BDCCDTL20110215AAK  
Facility ID: 189230  
Station data: User record  
Record ID: 1598  
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KWNL-CD	D32	DC	LIC	BENTONVILLE, AR	BLANK0000055355	107.9 km
No	K32OW-D	D32	LD	CP	Iberia, MO	BLANK0000164122	208.9
No	KSMO-TV	D32	DT	LIC	KANSAS CITY, MO	BLANK0000153303	223.9
No	KCLG-LD	D32	LD	LIC	NEOSHO, MO	BLDTL20120522ADN	25.0
No	KRSU-TV	D32	DT	LIC	CLAREMORE, OK	BLANK0000067907	121.4
No	KHMF-LD	D33+	LD	LIC	FORT SMITH, AR	BLANK0000116534	173.0
Yes	KNWA-TV	D33	DT	LIC	ROGERS, AR	BLANK0000106176	90.2
No	K33QJ-D	D33	LD	CP	TEXARKANA, AR	BLANK0000072734	390.6
No	KBIN-TV	D33	DT	LIC	COUNCIL BLUFFS, IA	BLEDT20050711ABX	477.6
No	KGKC-LD	D33	LD	LIC	LAWRENCE, KS	BLANK0000063669	216.3
No	WIBW-TV	D33	LD	CP	TOPEKA, KS	BLANK0000054107	252.0
No	KSCW-DT	D33	LD	LIC	WICHITA, KS	BLCDT20120606ABO	255.4
No	K33MN-D	D33	LD	LIC	JEFFERSON CITY, MO	BLANK0000158649	288.0
No	KTVO	D33	DT	LIC	KIRKSVILLE, MO	BLANK0000158746	424.6
No	KTVI	D33	DT	LIC	ST. LOUIS, MO	BLANK0000158068	400.0
No	K33AC-D	D33	LD	LIC	PAWNEE CITY, NE	BLDTT20081114ACQ	379.6
No	KUOC-LD	D33	LD	LIC	ENID, OK	BLANK0000157473	172.4
No	KOCB	D33	DT	LIC	OKLAHOMA CITY, OK	BLANK0000121773	314.1
No	WPXX-TV	D33	DT	LIC	MEMPHIS, TN	BLANK0000063435	471.8
No	KSJF-CD	D34	DC	LIC	FORT SMITH, AR	BLANK0000116533	173.0
No	K34QO-D	D34	LD	CP	SPRINGDALE, AR	BLANK0000072731	104.3
No	K34QN-D	D34	LD	CP	EMPORIA, KS	BLANK0000071803	210.1
No	K41KX-D	D34	LD	CP	JOPLIN, MO	BLANK0000058756	13.5
No	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLANK0000155694	221.9
No	KSPR-LD	D34	LD	LIC	SPRINGFIELD, MO	BLANK0000108532	141.9
No	KMYT-TV	D34	DT	LIC	TULSA, OK	BLANK0000067647	154.9

Non-directional AM stations within 0.8 km:  
KZYM 1230 L ND2 D JOPLIN, MO BL20140715ACF

KZYM 1230 L ND2 N JOPLIN, MO BL20140715ACF

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D33  
Mask: Full Service  
Latitude: 37 4 35.00 N (NAD83)  
Longitude: 94 32 16.00 W  
Height AMSL: 348.0 m  
HAAT: 0.0 m  
Peak ERP: 0.100 kW  
Antenna: SAM-SAM-460 (ID 1002594) 70.0 deg  
Elev Pattn: Generic  
Elec Tilt: 1.00

50.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	62.5 m	2.1 km
45.0	0.028	47.3	8.8
90.0	0.048	28.9	8.0
135.0	0.000	38.3	2.1
180.0	0.000	22.1	2.1
225.0	0.000	56.5	2.1
270.0	0.000	71.0	2.1
315.0	0.000	75.3	2.1

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 50 m

Distance to Canadian border: 1117.3 km

Distance to Mexican border: 1031.2 km

Conditions at FCC monitoring station: Grand Island NE

Bearing: 323.0 degrees    Distance: 543.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 293.3 degrees    Distance: 987.3 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%

---- Below is IX received by proposal BDCCDTL20110215AAK ----

Proposal receives 33.47% interference from scenario 1  
No IX check failures found.