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Study build station data: LMS TV 2020-01-10

Proposal: KPTN-LD D19 LD CP ST. LOUIS, MO
File number: BLANK0000059447
Facility ID: 35781
Station data: User record
Record ID: 625
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	WSEC	D18	DT	CP	JACKSONVILLE, IL	BLANK0000080205	116.8 km
No	W27DF-D	N18-	TX	LIC	QUINCY, IL	BLTTL20011120AAN	177.7
No	WAWV-TV	D18	DT	LIC	TERRE HAUTE, IN	BLANK0000087258	264.4
No	K18KK-D	D18	LD	CP	COLUMBIA, MO	BLANK0000090527	194.9
No	KDKZ-LD	D18	LD	LIC	FARMINGTON, MO	BLANK0000029554	88.7
No	K19MT-D	D19	LD	CP	SPRINGDALE, AR	BLANK0000071784	424.8
No	KDMI	D19	DT	LIC	DES MOINES, IA	BLCDDT20120627AAE	457.0
No	KDMI	D19	DT	APP	DES MOINES, IA	BPCDDT20130205AAM	457.0
No	K19KX-D	D19	LD	LIC	KEOKUK, IA	BLANK0000063796	224.1
No	WFDE-LD	D19	LD	CP	CHAMPAIGN, IL	BLANK0000052945	158.9
No	WGN-TV	D19	DT	LIC	CHICAGO, IL	BMLCDDT20080201APP	432.4
No	W51DT	D19+	LD	CP	GALESBURG, IL	BLANK0000054180	263.2
No	W19EE-D	D19	LD	CP	JACKSONVILLE, IL	BLANK0000013745	139.4
No	WHOI	D19	DT	LIC	PEORIA, IL	BLCDDT20140723ACQ	239.5
No	WHBF-TV	D19	LD	CP	ROCK ISLAND, IL	BLANK0000052947	327.0
No	WHBF-TV	D19	LD	APP	ROCK ISLAND, IL	BLANK0000080887	327.0
No	W19CX	N19-	TX	LIC	STERLING-DIXON, IL	BLTT20070806AFB	374.4
No	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK0000087336	456.4
No	KCKS-LD	D19	LD	CP	KANSAS CITY, KS	BLANK0000053333	404.9
No	WCZU-LD	D19	LD	CP	BOWLING GREEN, KY	BLANK0000052706	384.7
Yes	WPSD-TV	D19	DT	CP	PADUCAH, KY	BLANK0000027223	193.7
No	K19JU-D	D19	LD	CP	POPLAR BLUFF, MO	BDCCDDL20120308ABT	195.3
Yes	KYTV	D19	DT	LIC	SPRINGFIELD, MO	BLANK0000073156	277.3
No	WPED-LD	D19	LD	CP	MEMPHIS, TN	BLANK0000004451	400.6
No	WPED-LD	D19	LD	LIC	MEMPHIS, TN	BLANK0000004406	370.3
No	WPED-LD	D19	LD	LIC	MEMPHIS, TN	BLANK0000081521	400.6
No	WLLC-LP	D19	LD	CP	NASHVILLE, TN	BLANK0000052774	412.2
No	WAND	D20	DT	CP	DECATUR, IL	BLANK0000034594	199.9
No	W20ED-D	D20	LD	CP	DECATUR, IL	BDCCDDT20130322AII	179.0
No	KNLJ	D20	DT	LIC	JEFFERSON CITY, MO	BLCDDT20110121ACA	153.8
Yes	KEFN-CD	D20z	DC	LIC	ST. LOUIS, MO	BLANK0000054925	19.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D19
Mask: Full Service
Latitude: 38 34 27.90 N (NAD83)
Longitude: 90 19 31.90 W

Height AMSL: 306.2 m
HAAT: 0.0 m
Peak ERP: 7.00 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 1.75

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	7.00 kW	137.7 m	44.1 km
45.0	7.00	154.8	45.2
90.0	7.00	173.9	46.5
135.0	7.00	172.0	46.3
180.0	7.00	144.9	44.5
225.0	7.00	144.4	44.5
270.0	7.00	132.4	43.7
315.0	7.00	135.4	43.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 149 m

Distance to Canadian border: 715.8 km

Distance to Mexican border: 1410.3 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 38.1 degrees Distance: 580.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 282.3 degrees Distance: 1290.6 km

No land mobile station failures found

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.