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Study build station data: LMS TV 2019-12-12

Proposal: KSJF-CD D34 DC CP FORT SMITH, AR
 File number: BLANK0000082196
 Facility ID: 52425
 Station data: User record
 Record ID: 40
 Country: U.S.

Build options:
 Protect LPTV records from Class A

Individual records excluded:
 20021115AAI KWFT-LD N34z TX LIC FORT SMITH, AR BLTTL20021115AAI

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KHMF-LD	N33+	TX	LIC	FORT SMITH, AR	BLTTL20051208ACS	60.8 km
No	KHMF-LD	D33+	LD	LIC	FORT SMITH, AR	BLANK0000068733	0.0
No	KHMF-LD	D33+	LD	CP	FORT SMITH, AR	BLANK0000082549	0.0
Yes	KNWA-TV	D33	DT	CP	ROGERS, AR	BLANK0000027617	105.7
Yes	KNWA-TV	D33	DT	BL	ROGERS, AR	DTVBL29557	105.7
No	K33QJ-D	D33	LD	CP	TEXARKANA, AR	BLANK0000072734	217.8
No	KDSI-LD	D33	LD	CP	JOPLIN, MO	BDCCDTL20110215AAK	173.1
No	K33NG-D	D33	LD	CP	SPRINGFIELD, MO	BDCCDTT20121214ADU	227.4
No	KUOC-LD	D33	LD	CP	ENID, OK	BLANK0000052463	167.0
No	K34QK-D	D34	LD	CP	JONESBORO, AR	BLANK0000071894	326.3
Yes	KASN	D34	DT	LIC	PINE BLUFF, AR	BLANK0000073008	230.4
Yes	K34QO-D	D34	LD	CP	SPRINGDALE, AR	BLANK0000072731	79.5
No	K34QN-D	D34	LD	CP	EMPORIA, KS	BLANK0000071803	360.4
No	KMSS-TV	D34	DT	LIC	SHREVEPORT, LA	BLCDT20050705AAB	320.3
No	K34QP-D	D34	LD	CP	JEFFERSON CITY, MO	BLANK0000074374	408.0
No	K41KX-D	D34	LD	CP	JOPLIN, MO	BLANK0000058756	169.7
No	WDAF-TV	D34	DT	LIC	KANSAS CITY, MO	BLCDT20091008AAW	394.8
No	KSPR-LD	D34	LD	CP	SPRINGFIELD, MO	BLANK0000052519	223.7
No	W34ER-D	D34	LD	CP	CLARKSDALE, MS	BNPDTL20101019AAH	381.7
No	KCYH-LD	D34	LD	LIC	ARDMORE, OK	BLANK0000068523	297.7
No	KWRW-LP	D34+	LD	CP	ARDMORE, OK	BLANK0000072256	278.3
No	K43LK-D	D34	LD	CP	LAWTON, OK	BLANK0000029550	369.1
No	K34ML-D	D34	LD	CP	MC ALESTER, OK	BNPDTL20100511ABJ	156.0
Yes	KMYT-TV	D34	DT	LIC	TULSA, OK	BLANK0000067647	130.2
Yes	K34LT-D	D34	LD	CP	VIAN, OK	BNPDTL20100504AMA	48.8
No	WFBI-LD	D34	LD	CP	SOUTH EAST MEMPHIS, TN	BLANK0000054142	414.5
No	KJJM-LD	D34	LD	LIC	DALLAS & MESQUITE, TX	BLDTL20090319ABX	404.4
No	KSTR-DT	D34	DT	CP	IRVING, TX	BLANK0000063075	408.0
No	KSTR-DT	D34	DT	BL	IRVING, TX	DTVBL60534	408.0
No	KFLU-LD	D35	LD	CP	FORT SMITH, AR	BLANK0000052862	71.2
No	KRAH-CD	D35	DC	CP	PARIS, AR	BLANK0000035644	106.6
No	KRAH-CD	D35	DC	LIC	PARIS, AR	BLDTA20130130AIO	60.8
No	KOZJ	D35	DT	LIC	JOPLIN, MO	BLANK0000059543	173.0
No	KJPX-LP	N35+	TX	LIC	JOPLIN, MO	BLTTL20090304ADT	169.7
No	KEGG-LP	N35+	TX	LIC	MCALESTER, OK	BLTT20051017ABG	141.9
No	KEGG-LD	D35	LD	CP	TULSA, OK	BLANK0000054185	147.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D34
 Mask: Full Service
 Latitude: 35 31 30.20 N (NAD83)
 Longitude: 94 22 28.20 W

Height AMSL: 365.6 m
HAAT: 0.0 m
Peak ERP: 14.0 kW
Antenna: PSI-PSILP12BA-34 (ID 1005602) 0.0 deg
Elev Pattern: Generic
Elec Tilt: 0.50

50.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	12.6 kW	84.6 m	40.3 km
45.0	12.1	71.7	38.1
90.0	14.0	152.6	46.9
135.0	12.2	198.2	49.0
180.0	12.6	218.0	50.3
225.0	2.34	182.3	39.6
270.0	0.734	165.2	32.6
315.0	2.34	120.1	35.6

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

Distance to Canadian border: 1205.9 km

Distance to Mexican border: 916.8 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 330.7 degrees Distance: 696.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 301.4 degrees Distance: 1079.8 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 BLANK0000082196 ----

Proposal receives 2.21% interference from scenario 1
Proposal receives 2.21% interference from scenario 2
No IX check failures found.