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Study build station data: LMS TV 2018-05-10 (94)

Proposal: KUFS-LP D19 LD CP FORT SMITH, AR
File number: BLANK0000024381
Facility ID: 58281
Station data: User record
Record ID: 337
Country: U.S.

Build options:
Protect records not on baseline channel

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	
Distance						
KFSM-TV	D18	DT	LIC	FORT SMITH, AR	BLCDT20060530AIM	97.2
km						
K16IP-D	D19	LD	APP	BONNERDALE, AR	BLANK0000051750	176.5
KYTV	D19	DT	CP	SPRINGFIELD, MO	BLANK0000033931	281.5
KAUT-TV	D19	DT	CP	OKLAHOMA CITY, OK	BLANK0000034050	260.0
KQRY-LD	D19	LD	APP	SALLISAW, OK	BLANK0000042182	93.5
KEGG-LD	D19	LD	LIC	TULSA, OK	BLDTL20130222ADJ	138.9
KQCW-DT	D20	DT	APP	MUSKOGEE, OK	BLANK0000035925	138.8
KQCW-DT	D20	DT	LIC	MUSKOGEE, OK	BMLCDT20130823ACR	126.9

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: 35 4 5.30 N (NAD83)
Longitude: 94 40 59.80 W
Height AMSL: 764.7 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: SIRA UTV01 x 1 x 2 0.0 deg
Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	605.1 m	70.2 km
45.0	13.5	609.4	69.6
90.0	14.3	612.4	70.1
135.0	4.71	611.7	62.8
180.0	0.009	593.1	24.2
225.0	0.000	567.0	2.8
270.0	0.000	482.2	2.7
315.0	2.60	566.6	57.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 581 m

Distance to Canadian border: 1259.9 km

Distance to Mexican border: 862.1 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 334.4 degrees Distance: 728.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 304.3 degrees Distance: 1083.8 km

No land mobile station failures found

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%

**MX with BLANK0000042182 APP, 36.70% interference, scenario 1
**MX with BLANK0000042182 APP, 36.70% interference, scenario 2
**MX with BLANK0000042182 APP, 6.74% interference, scenario 1
**MX with BLANK0000042182 APP, 6.74% interference, scenario 2

