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Study build station data: LMS TV 2018-03-14 (61)

Proposal: KXUN-LD D26 LD LIC FORT SMITH, AR
File number: BLDTL20121218AAJ
Facility ID: 14386
Station data: User record
Record ID: 168
Country: U.S.

Build options:
Protect records not on baseline channel

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	
Distance						
KXNW	D25	DT	CP	EUREKA SPRINGS, AR	BLANK00000034210	113.4
km						
K26GS-D	D26	LD	LIC	HARRISON, AR	BLDTL20100517AFK	141.0
KVTH-DT	D26	DT	LIC	HOT SPRINGS, AR	BLCDT20090209ANJ	169.5
KTEN	D26	DT	LIC	ADA, OK	BLCDT20060630ABA	233.8
KOTV-DT	D26	DT	CP	TULSA, OK	BLANK00000028019	134.4
KFTA-TV	D27	DT	LIC	FORT SMITH, AR	BLCDT20090331AEC	35.7
KWFT-LP	N34z	TX	LIC	FORT SMITH, AR	BLTTL20021115AAI	8.7

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: 35 26 50.90 N (NAD83)
Longitude: 94 21 53.70 W
Height AMSL: 317.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: SWR 8 Bay slot 90.0 deg
Elev Pattn: Generic
Elec Tilt: 1.00

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	12.2 kW	79.3 m	40.1 km
45.0	13.3	133.2	46.2
90.0	15.0	181.2	49.9
135.0	13.3	195.3	50.1
180.0	12.2	178.0	48.7
225.0	4.54	190.6	44.4
270.0	1.01	141.9	33.6
315.0	4.54	154.8	42.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 157 m

Distance to Canadian border: 1210.7 km

Distance to Mexican border: 911.7 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 331.0 degrees Distance: 704.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 301.8 degrees Distance: 1085.0 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%

Proposal receives 3.98% interference from scenario 1
No IX check failures found.

