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Study build station data: LMS TV 2018-03-25

Proposal: KADF-LD D32 LD LIC AUSTIN, TX  
File number: KADF-DISP32  
Facility ID: 32281  
Station data: User record  
Record ID: 625  
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File
Number		Distance				
No	K17GZ	N17z	TX	LIC	HARPER, TX	
	BLTTL20070507AEW	136.5	km			
No	KBVO-CD	D31	DC	LIC	AUSTIN, TX	
	BLANK0000001127	0.4				
No	KUBE-TV	D31	DT	CP	BAYTOWN, TX	
	BLANK0000034465	235.9				
No	KAZD	D31	DT	CP	LAKE DALLAS, TX	
	BLANK0000034935	263.9				
No	KVDF-CD	D31	DC	LIC	SAN ANTONIO, TX	
	BLANK0000001489	119.2				
No	KPXJ	D32	DT	CP	MINDEN, LA	
	BLANK0000028329	450.9				
No	KPXJ	D32	DT	APP	MINDEN, LA	
	BLANK0000035670	450.9				
Yes	KPXB-TV	D32	DT	LIC	CONROE, TX	
	BLANK0000035588	237.1				
No	KDAF	D32	DT	LIC	DALLAS, TX	
	BLCDT20010606ABJ	259.4				
Yes	KMYS	D32	DT	LIC	KERRVILLE, TX	
	BLCDT20060608ACW	131.6				
No	NEW	D32	LD	APP	SHEFFIELD, TX	
	BNPDTL20100329AFD	370.6				
No	K32KE-D	D32	LD	CP	SWEETWATER, TX	
	BNPDTL20100310ACA	338.6				
No	K32LC-D	D32	LD	CP	VICTORIA, TX	
	BNPDTL20100510AKI	165.2				
No	K32KT-D	D32	LD	LIC	WICHITA FALLS, TX	
	BLANK0000001482	403.8				
No	K32KD-D	D32	LD	CP	WOODVILLE, TX	
	BNPDTL20100310AAS	330.1				
No	KVUE	D33	DT	LIC	AUSTIN, TX	
	BLCDT20050624AAI	0.2				
No	KTBU	D33	DT	CP	CONROE, TX	
	BLANK0000034102	236.3				
No	KUVN-DT	D33	DT	CP	GARLAND, TX	
	BLANK0000034451	264.0				
No	KQZY-LP	D33	LD	LIC	VICTORIA, TX	
	BLANK0000001557	176.7				

Yes K34FM-D N34- TX LIC AUSTIN, TX  
BLTT20061002BGB 0.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32  
Mask: Full Service  
Latitude: 30 19 21.00 N (NAD83)  
Longitude: 97 48 4.00 W  
Height AMSL: 409.8 m  
HAAT: 0.0 m  
Peak ERP: 8.00 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic  
Elec Tilt: 0.75

50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	8.00 kW	149.4 m	44.1 km
45.0	8.00	177.8	45.9
90.0	8.00	218.6	48.2
135.0	8.00	256.6	50.3
180.0	8.00	203.9	47.4
225.0	8.00	134.2	43.0
270.0	8.00	166.5	45.2
315.0	8.00	182.7	46.2

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 186 m

Distance to Canadian border: 1837.8 km

Distance to Mexican border: 308.9 km

Conditions at FCC monitoring station: Kingsville TX  
Bearing: 181.5 degrees Distance: 320.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 330.3 degrees Distance: 1279.4 km

Study cell size: 0.50 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%

----- Below is IX received by proposal KADF-DISP32 -----

Proposal receives 22.12% interference from scenario 1  
No IX check failures found.