

# INTERFERENCE ANALYSIS FOR PROPOSED KDAF, DALLAS, TX, CHANNEL 32

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: kdaf02, Model: Longley-Rice

Study build station data: LMS TV 2020-11-22

Proposal: KDAF02 D32 DT APP DALLAS, TX  
File number: kdaf02  
Facility ID: 22201  
Station data: User record  
Record ID: 4444  
Country: U.S.  
Zone: II

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	KAZD	D31	DT	LIC	LAKE DALLAS, TX	BLANK0000125085	5.0 km
Yes	KPXJ	D32	DT	LIC	MINDEN, LA	BLANK0000071631	283.7
No	KRSU-TV	D32	DT	LIC	CLAREMORE, OK	BLANK0000067907	446.2
Yes	KPXB-TV	D32	DT	LIC	CONROE, TX	BLANK0000124635	359.4
Yes	KMYS	D32	DT	LIC	KERRVILLE, TX	BLCDT20060608ACW	374.3
No	KVUE	D33	DT	LIC	AUSTIN, TX	BLCDT20050624AAI	259.6
Yes	KUVN-DT	D33	DT	LIC	GARLAND, TX	BLANK0000074930	5.2

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  
Latitude: 32 32 36.00 N (NAD83)  
Longitude: 96 57 33.00 W  
Height AMSL: 738.2 m  
HAAT: 535.0 m  
Peak ERP: 1000 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic  
Elec Tilt: 1.00

40.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1000 kW	524.1 m	117.2 km
45.0	1000	528.9	117.5
90.0	1000	537.8	118.0
135.0	1000	523.3	117.1
180.0	1000	514.8	116.6
225.0	1000	538.3	118.1
270.0	1000	554.4	119.1
315.0	1000	557.5	119.2

ERP exceeds maximum

ERP: 1000 kW ERP maximum: 430 kW (The largest station in the market criterion is met. See Technical Summary.)

Distance to Canadian border: 1604.2 km

Distance to Mexican border: 517.6 km

Conditions at FCC monitoring station: Kingsville TX  
Bearing: 189.2 degrees Distance: 574.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 321.1 degrees Distance: 1119.9 km

Study cell size: 2.00 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%

# INTERFERENCE ANALYSIS FOR PROPOSED KDAF, DALLAS, TX, CHANNEL 32

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Interference to BLANK0000125085 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KAZD	D31	DT	LIC	LAKE DALLAS, TX	BLANK0000125085	
Undesireds:	KDAF	D32	DT	BL	DALLAS, TX	DTVBL22201	5.0 km
	KDAF02	D32	DT	APP	DALLAS, TX	kdaf02	5.0
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDT20060317AGE	0.2
	KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY	182.9
	KOET	D31	DT	LIC	EUFULA, OK	BLEDT20060601BJT	325.3
	KUBE-TV	D31	DT	LIC	BAYTOWN, TX	BLANK0000072353	362.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
42605.1 6,776,778		42163.5 6,774,172		42007.5 6,769,910		41757.2 6,765,236	0.60 0.07
Undesired			Total IX	Unique IX, before		Unique IX, after	
KDAF D32 DT BL			32.1	1,263		24.1 1,089	
KDAF02 D32 DT APP			282.3	5,937		274.3	5,763
KMPX D30 DT LIC			60.0	2,043		52.0	1,869
KOET D31 DT LIC			56.0	824		56.0	824
KUBE-TV D31 DT LIC			15.9	306		15.9	306

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Interference to BLANK0000071631 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPXJ	D32	DT	LIC	MINDEN, LA	BLANK0000071631	
Undesireds:	KDAF	D32	DT	BL	DALLAS, TX	DTVBL22201	283.7 km
	KDAF02	D32	DT	APP	DALLAS, TX	kdaf02	283.7
	KARK-TV	D32	DT	LIC	LITTLE ROCK, AR	BMLCDT20121102ACP	269.7
	WABG-TV	D32	DT	LIC	GREENWOOD, MS	BLCDT20051024ABR	325.3
	KPXB-TV	D32	DT	LIC	CONROE, TX	BLANK0000124635	378.0
	KLPA-TV	D33	DT	LIC	ALEXANDRIA, LA	BLANK0000063603	180.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
43807.3 1,138,632		43537.9 1,135,626		42066.1 1,120,293		41728.0 1,115,760	0.80 0.40
Undesired			Total IX	Unique IX, before		Unique IX, after	
KDAF D32 DT BL			498.3	9,410		466.0 9,347	
KDAF02 D32 DT APP			844.4	14,012		804.1	13,880
KARK-TV D32 DT LIC			828.8	4,849		424.7	2,578
WABG-TV D32 DT LIC			528.7	2,903		132.5	651
KPXB-TV D32 DT LIC			40.4	476		8.1	363
KLPA-TV D33 DT LIC			4.1	10		4.1	10

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Interference to BLANK0000124635 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KPXB-TV	D32	DT	LIC	CONROE, TX	BLANK0000124635	
Undesireds:	KDAF	D32	DT	BL	DALLAS, TX	DTVBL22201	359.3 km
	KDAF02	D32	DT	APP	DALLAS, TX	kdaf02	359.4
	KUBE-TV	D31	DT	LIC	BAYTOWN, TX	BLANK0000072353	1.4
	KPXJ	D32	DT	LIC	MINDEN, LA	BLANK0000071631	378.0
	KTBU	D33	DT	LIC	CONROE, TX	BLANK0000072275	0.9
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
37917.4 6,062,458		37873.3 6,062,238		37628.4 6,053,863		37556.2 6,053,748	0.19 0.00
Undesired			Total IX	Unique IX, before		Unique IX, after	
KDAF D32 DT BL			20.0	329		12.0 31	
KDAF02 D32 DT APP			104.2	628		84.2	146
KUBE-TV D31 DT LIC			144.7	3,855		52.3	1,873
KPXJ D32 DT LIC			20.0	482		0.0	0
KTBU D33 DT LIC			160.7	5,989		68.3	4,007

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Interference to BLCDT20060608ACW LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KMYS	D32	DT	LIC	KERRVILLE, TX	BLCDT20060608ACW	
Undesireds:	KDAF	D32	DT	BL	DALLAS, TX	DTVBL22201	374.3 km
	KDAF02	D32	DT	APP	DALLAS, TX	kdaf02	374.3
	KVDF-CD	D31	DC	LIC	SAN ANTONIO, TX	BLANK0000001489	41.8
	KPXB-TV	D32	DT	LIC	CONROE, TX	BLANK0000124635	327.9
	KTFV-CD	D32	DC	CP	MCALLEN, TX	BLANK0000034457	399.9
	KVUE	D33	DT	LIC	AUSTIN, TX	BLCDT20050624AAI	131.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
34808.0 2,273,888		33497.4 2,267,913		33087.6 2,260,288		33059.5 2,260,228	0.08 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KDAF D32 DT BL		4.0		0		0	
KDAF02 D32 DT APP		72.2		154		32.1 60	
KVDF-CD D31 DC LIC		12.0		2,187		12.0 2,187	
KPXB-TV D32 DT LIC		132.6		3,478		56.2 2,243	
KVUE D33 DT LIC		333.6		3,195		237.2 1,880	

Interference to BLANK0000074930 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KUVN-DT	D33	DT	LIC	GARLAND, TX	BLANK0000074930	
Undesireds:	KDAF	D32	DT	BL	DALLAS, TX	DTVBL22201	5.2 km
	KDAF02	D32	DT	APP	DALLAS, TX	kdaf02	5.2
	KOCB	D33	DT	LIC	OKLAHOMA CITY, OK	BLANK0000121773	332.5
	KVUE	D33	DT	LIC	AUSTIN, TX	BLCDT20050624AAI	264.1
	KSTR-DT	D34	DT	LIC	IRVING, TX	BLANK0000093868	5.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
37949.4 6,680,126		37664.4 6,678,157		37039.7 6,671,452		36720.0 6,666,501	0.86 0.07
Undesired		Total IX		Unique IX, before		Unique IX, after	
KDAF D32 DT BL		96.8		1,222		16.2 38	
KDAF02 D32 DT APP		485.0		6,728		335.9 4,989	
KOCB D33 DT LIC		148.2		1,688		144.2 1,688	
KVUE D33 DT LIC		311.4		2,606		291.2 2,606	
KSTR-DT D34 DT LIC		157.0		2,373		20.0 634	

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KDAF02	D32	DT	APP	DALLAS, TX	kdaf02	
Undesireds:	KAZD	D31	DT	LIC	LAKE DALLAS, TX	BLANK0000125085	5.0 km
	KPXJ	D32	DT	LIC	MINDEN, LA	BLANK0000071631	283.7
	KPXB-TV	D32	DT	LIC	CONROE, TX	BLANK0000124635	359.4
	KUVN-DT	D33	DT	LIC	GARLAND, TX	BLANK0000074930	5.2
Service area		Terrain-limited		IX-free		Percent IX	
43631.3 6,864,810		43281.5 6,862,342		42868.3 6,840,370		0.95 0.32	
Undesired		Total IX		Unique IX		Prcnt Unique IX	
KAZD D31 DT LIC		44.1		2,667		0.05 0.00	
KPXJ D32 DT LIC		225.1		3,846		0.51 0.06	
KPXB-TV D32 DT LIC		15.9		179		0.03 0.00	
KUVN-DT D33 DT LIC		156.1		17,688		0.30 0.22	