

tvstudy v2.2.5 (V91R41)

Database: localhost, Study: K31GL\_ch7\_1kW, Model: Longley-Rice

Start: 2018.03.23 19:39:40

Study created: 2018.03.23 19:39:40

Study build station data: LMS TV 2018-03-19

Proposal: K31GL-D D7 LD LIC DE SOTO, TX

File number: BLDL20081110AJA

Facility ID: 52923

Station data: User record

Record ID: 47

Country: U.S.

Build options:

Protect baseline records from LPTV

Search options:

Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KUFS-LP	D7	LD	CP	FORT SMITH, AR	BLANK0000024381	342.3 km
No	KPLC	D7	DT	LIC	LAKE CHARLES, LA	BLCDDT20091202ABY	468.4
No	KOCO-TV	D7	DT	LIC	OKLAHOMA CITY, OK	BLCDDT20100615ACT	315.7
No	KTBC	D7	DT	APP	AUSTIN, TX	BLANK0000035707	277.7
No	KTBC	D7	DT	LIC	AUSTIN, TX	BLCDDT20100122ACM	277.7
No	KHXL-LP	N7-	TX	LIC	HUNTSVILLE, TX	BLTVL20010301ACH	274.1
No	KETX-LP	N7+	TX	LIC	LIVINGSTON, TX	BLTVL20060131BQR	303.7
No	KLTV	D7	DT	LIC	TYLER, TX	BLCDDT20090622AAT	178.5
No	WFAA	D8	DT	LIC	DALLAS, TX	BLCDDT20110110AAH	21.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D7

Mask: Full Service

Latitude: 32 44 22.70 N (NAD83)

Longitude: 97 6 43.50 W

Height AMSL: 312.9 m

HAAT: 140.6 m

Peak ERP: 1.00 kW

Antenna: DIE THA-C2 270.0 deg

Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.250 kW	148.0 m	34.2 km
45.0	0.000	155.1	0.9
90.0	0.000	152.6	0.9
135.0	0.000	141.7	0.9
180.0	0.250	119.3	31.3
225.0	0.870	127.3	40.8
270.0	0.999	130.2	42.2
315.0	0.870	152.9	43.8

Distance to Canadian border: 1599.5 km

Distance to Mexican border: 523.0 km

Conditions at FCC monitoring station: Kingsville TX

Bearing: 187.4 degrees Distance: 593.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 320.8 degrees Distance: 1094.0 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%

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Interference to proposal scenario 1

4.69% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K31GL-D	D7	LD	LIC	DE SOTO, TX	BLDTL20081110AJA	
Undesireds:	KTBC	D7	DT	APP	AUSTIN, TX	BLANK0000035707	277.7 km
	KLTV	D7	DT	LIC	TYLER, TX	BLCDT20090622AAT	178.5
	WFAA	D8	DT	LIC	DALLAS, TX	BLCDT20110110AAH	21.3
	Service area		Terrain-limited		IX-free	Percent IX	
	2925.6	1,824,803	2909.3	1,823,892	2511.3	1,738,282	13.68 4.69
Undesired				Total IX	Unique IX	Prcnt Unique IX	
KLTV D7 DT LIC				17.8 473 6.6	16	0.23 0.00	
WFAA D8 DT LIC				391.4 85,594 380.2	85,137	13.07 4.67	