

tvstudy v2.2.4 (Z2Qqz3)

Database: localhost, Study: KLBK 400 kW 1247.3 m AMSL, Model: Longley-Rice

Start: 2018.03.27 12:17:48

Study created: 2018.03.27 12:17:48

Study build station data: LMS TV 2018-03-26 (106)

Proposal: KLBK-TV D31 DT CP LUBBOCK, TX

File number: BLANK0000028452

Facility ID: 3660

Station data: User record

Record ID: 1813

Country: U.S.

Zone: II

Search options:

Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KTAB-TV	D30	DT	CP	ABILENE, TX	BLANK0000029890	253.4 km
No	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	253.3
No	KWWT	D30	DT	APP	ODESSA, TX	BLANK0000036063	169.1
No	KWWT	D30	DT	LIC	ODESSA, TX	BLCDT20090612AJT	169.1
Yes	KEYU	D31	DT	LIC	BORGER, TX	BLCDT20130815AAW	201.9
Yes	KENW	D32	DT	LIC	PORTALES, NM	BLEDT20030219ADP	150.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D31

Latitude: 33 31 33.80 N (NAD83)

Longitude: 101 52 8.60 W

Height AMSL: 1247.3 m

HAAT: 265.9 m

Peak ERP: 400 kW

Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 0.75

40.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	400 kW	264.9 m	84.3 km
45.0	400	276.0	85.9
90.0	400	290.7	88.3
135.0	400	281.0	86.7
180.0	400	268.7	84.8
225.0	400	250.9	82.6
270.0	400	244.8	82.0
315.0	400	250.1	82.5

Distance to Canadian border: 1719.8 km

Distance to Mexican border: 407.4 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 255.0 degrees Distance: 763.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 338.8 degrees Distance: 791.0 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 to BLCDT20130815AAW LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired:	KEYU	D31	DT	LIC	BORGER, TX	BLCDDT20130815AAW		
Undesireds:	KLBK-TV	D31	DT	BL	LUBBOCK, TX	DTVBL3660	202.0 km	
	KLBK-TV	D31	DT	CP	LUBBOCK, TX	BLANK0000028452	201.9	
	Service area			Terrain-limited	IX-free, before	IX-free, after	Percent New IX	
	24749.9	339,348	24330.8	339,302	23769.3	337,729	24028.3	337,804
							-1.09	-0.02
Undesired				Total IX	Unique IX, before	Unique IX, after		
KLBK-TV D31 DT BL		561.5		1,573	561.5	1,573		
KLBK-TV D31 DT CP		302.5		1,498		302.5	1,498	

Interference to BLEDT20030219ADP LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KENW	D32	DT	LIC	PORTALES, NM	BLEDT20030219ADP	
Undesireds:	KLBK-TV	D31	DT	BL	LUBBOCK, TX	DTVBL3660	150.0 km
	KLBK-TV	D31	DT	CP	LUBBOCK, TX	BLANK0000028452	150.0
	Service area			Terrain-limited	IX-free, before	IX-free, after	Percent New IX
	15784.4	87,017	15724.3	87,017	15720.3	87,005	15724.3
							87,017
							-0.03
							-0.01
Undesired				Total IX	Unique IX, before	Unique IX, after	
KLBK-TV D31 DT BL		4.0		12	4.0	12	
KLBK-TV D31 DT CP		0.0		0		0.0	0

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KLBK-TV	D31	DT	CP	LUBBOCK, TX	BLANK0000028452	
Undesireds:	KWWT	D30	DT	APP	ODESSA, TX	BLANK0000036063	169.1 km
	KEYU	D31	DT	LIC	BORGER, TX	BLCDDT20130815AAW	201.9
	Service area			Terrain-limited	IX-free	Percent IX	
	22490.0	387,783	22330.1	387,743	22226.0	387,726	0.47
							0.00

Undesired		Total IX		Unique IX	Prcnt Unique IX
KEYU D31 DT LIC	104.1	17	104.1	17	0.47 0.00