

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Lubbock9d3kwCA2at0TTP, Model: Longley-Rice

Start: 2019.04.18 08:39:08

Study created: 2019.04.18 08:39:08

Study build station data: LMS TV 2019-04-18

Proposal: K42LB-D D9 LD APP LUBBOCK, TX

Facility ID: 130346

Station data: User record

Record ID: 1117

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KOBR	D8	DT	LIC	ROSWELL, NM	BLCDT20090619AAX	178.2 km
No	K08PL-D	D8	LD	CP	ODESSA, TX	BMPDVL20120131AHW	162.9
Yes	KACV-TV	D9	DT	LIC	AMARILLO, TX	BLEDT20111222AXJ	202.8
No	KFWD	D9	DT	APP	FORT WORTH, TX	BLANK0000035752	466.9
No	KFWD	D9	DT	LIC	FORT WORTH, TX	BLCDT20090724AAB	466.9
Yes	KWES-TV	D9	DT	LIC	ODESSA, TX	BLCDT20121210ACW	195.0
No	K09YY-D	D9	LD	CP	SAN ANGELO, TX	BNPDVL20090910ABV	263.0
No	KBIM-TV	D10	DT	LIC	ROSWELL, NM	BLANK0000067866	189.7
No	KFDA-TV	D10	DT	LIC	AMARILLO, TX	BLCDT20111114BLB	197.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D9

Mask: Stringent

Latitude: 33 31 4.00 N (NAD83)
Longitude: 101 51 25.00 W
Height AMSL: 1231.2 m
HAAT: 0.0 m
Peak ERP: 3.00 kW
Antenna: SCA-CA2 (ID 89783) 0.0 deg
Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	251.4 m	59.2 km
45.0	1.05	262.8	52.4
90.0	0.008	272.1	21.0
135.0	0.077	267.4	34.1
180.0	0.203	254.6	40.2
225.0	0.077	238.2	32.8
270.0	0.008	230.4	19.6
315.0	1.05	236.7	50.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 252 m

Distance to Canadian border: 1720.7 km

Distance to Mexican border: 406.7 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 255.1 degrees Distance: 764.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 338.8 degrees Distance: 792.3 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%

Interference to BLEDT20111222AXJ LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KACV-TV	D9	DT	LIC	AMARILLO, TX	BLEDT20111222AXJ	
Undesireds:	K42LB-D	D9	LD	APP	LUBBOCK, TX		202.8 km
	KWES-TV	D9	DT	LIC	ODESSA, TX	BLCDT20121210ACW	385.4
	KFDA-TV	D10	DT	LIC	AMARILLO, TX	BLCDT20111114BLB	5.9
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	37179.2	372,618	35902.3	372,417	35666.3	372,250	35286.3 370,874 1.07 0.37
Undesired				Total IX	Unique IX, before		Unique IX, after
K42LB-D D9 LD APP				545.0	1,464		380.1 1,376
KWES-TV D9 DT LIC				143.9	83		133.8 77 1.0 0
KFDA-TV D10 DT LIC				102.2	90		92.1 84 70.0 79

Interference to BLCDT20121210ACW LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KWES-TV	D9	DT	LIC	ODESSA, TX	BLCDT20121210ACW	
Undesireds:	K42LB-D	D9	LD	APP	LUBBOCK, TX		195.0 km
	KOBR	D8	DT	LIC	ROSWELL, NM	BLCDT20090619AAX	175.3
	KBIM-TV	D10	DT	LIC	ROSWELL, NM	BLANK0000067866	148.0
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	43880.4	423,644	43201.6	422,718	41947.3	409,936	41924.3 409,920 0.05 0.00
Undesired				Total IX	Unique IX, before		Unique IX, after
K42LB-D D9 LD APP				23.0	16		23.0 16
KOBR D8 DT LIC				7.0	6		0.0 0 0.0 0

KBIM-TV D10 DT LIC	1254.3	12,782	1247.3	12,776	1247.3	12,776
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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K42LB-D	D9	LD	APP	LUBBOCK, TX		

	Service area		Terrain-limited		IX-free		Percent IX
5350.5	291,582	5350.5	291,582	5350.5	291,582	0.00	0.00