

**Note:**  
**Study cell size: 1.00 km**  
**Profile point spacing: 0.10 km**

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: KRDJ\_Ch9\_Omni\_Pre, Model: Longley-Rice  
Start: 2019.04.17 17:56:26

Study created: 2019.04.17 17:01:23

Study build station data: LMS TV 2019-04-16

Proposal: KRDJ-LD D9 LD APP LUBBOCK, TX  
File number: KRDJ\_Ch9\_Omni  
Facility ID: 183612  
Station data: User record  
Record ID: 827  
Country: U.S.

Build options:  
Protect pre-transition records not on baseline channel  
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	KOBR	D8	DT	LIC	ROSWELL, NM	BLCDT20090619AAX	178.9 km
No	K08PL-D	D8	LD	CP	ODESSA, TX	BMPDVL20120131AHW	162.9
Yes	KACV-TV	D9	DT	LIC	AMARILLO, TX	BLEDT20111222AXJ	203.0
No	KFWD	D9	DT	APP	FORT WORTH, TX	BLANK0000035752	466.2
No	KFWD	D9	DT	LIC	FORT WORTH, TX	BLCDT20090724AAB	466.2
Yes	KWES-TV	D9	DT	LIC	ODESSA, TX	BLCDT20121210ACW	195.2
No	K09YY-D	D9	LD	CP	SAN ANGELO, TX	BNPDVL20090910ABV	262.5
No	KBIM-TV	D10	DT	LIC	ROSWELL, NM	BLANK0000067866	190.4
No	KFDA-TV	D10	DT	LIC	AMARILLO, TX	BLCDT20111114BLB	197.5

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: Full Service  
Latitude: 33 30 57.80 N (NAD83)  
Longitude: 101 50 55.90 W  
Height AMSL: 1094.6 m  
HAAT: 0.0 m  
Peak ERP: 3.00 kW  
Antenna: Omnidirectional  
Elev Pattnr: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	117.4 m	48.3 km
45.0	3.00	127.2	49.5
90.0	3.00	136.7	50.7
135.0	3.00	132.5	50.2
180.0	3.00	120.5	48.7
225.0	3.00	103.2	46.2
270.0	3.00	95.5	45.0
315.0	3.00	101.8	46.0

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 117 m

Distance to Canadian border: 1720.9 km

Distance to Mexican border: 406.5 km

Conditions at FCC monitoring station: Douglas AZ  
Bearing: 255.1 degrees Distance: 764.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 338.7 degrees Distance: 792.8 km

Study cell size: 1.00 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%

-----  
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:	KRDJ-LD	D9	LD	APP	LUBBOCK, TX	KRDJ_Ch9_Omni	203.0 km
	KWES-TV	D9	DT	LIC	ODESSA, TX	BLCDDT20121210ACW	385.4
	KFDA-TV	D10	DT	LIC	AMARILLO, TX	BLCDDT20111114BLB	5.9
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
37179.2	372,618	36044.3		372,307	35846.3	372,216	35672.5 372,106 0.48 0.03
Undesired		Total IX		Unique IX, before		Unique IX, after	
KRDJ-LD	D9 LD APP	337.8		175		173.8 110	
KWES-TV	D9 DT LIC	144.9		62	136.8 50	2.0 0	
KFDA-TV	D10 DT LIC	61.2		41	53.1 29	32.0 26	

-----  
Interference to BLCDDT20121210ACW LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KWES-TV	D9	DT	LIC	ODESSA, TX	BLCDDT20121210ACW	
Undesireds:	KRDJ-LD	D9	LD	APP	LUBBOCK, TX	KRDJ_Ch9_Omni	195.2 km
	KOBR	D8	DT	LIC	ROSWELL, NM	BLCDDT20090619AAX	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	43124.0		421,431	41850.8	408,635	41596.5 408,466 0.61 0.04
Undesired		Total IX		Unique IX, before		Unique IX, after	
KRDJ-LD	D9 LD APP	256.3		169		254.3 169	
KOBR	D8 DT LIC	8.0		63	0.0 0	0.0 0	
KBIM-TV	D10 DT LIC	1273.2		12,796	1265.2 12,733	1264.2 12,733	

-----  
Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRDJ-LD	D9	LD	APP	LUBBOCK, TX	KRDJ_Ch9_Omni	
Undesireds:	KACV-TV	D9	DT	LIC	AMARILLO, TX	BLEDT20111222AXJ	203.0 km
	KWES-TV	D9	DT	LIC	ODESSA, TX	BLCDDT20121210ACW	195.2
Service area		Terrain-limited		IX-free		Percent IX	
7291.7	298,074	7142.7		298,055	7095.9	298,040	0.65 0.01
Undesired		Total IX		Unique IX		Prcnt Unique IX	
KACV-TV	D9 DT LIC	5.0		5	0.0 0	0.00 0.00	
KWES-TV	D9 DT LIC	46.7		15	41.8 10	0.58 0.00	