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

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: KRDJ_Ch10_DIE-TLS_10deg_Pre, Model: Longley-Rice
Start: 2019.05.31 13:57:22

Study created: 2019.05.31 13:40:31

Study build station data: LMS TV 2019-05-31

    Proposal: KRDJ-LD D10 LD APP LUBBOCK, TX
 File number: KRDJ_Ch10_DIE-TLS_10deg
 Facility ID: 183612
Station data: User record
   Record ID: 760
     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
All records for new LPTV stations excluded

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KACV-TV	D9	DT	LIC	AMARILLO, TX	BLEDT20111222AXJ	203.0 km
Yes	K42LB-D	D9	LD	APP	LUBBOCK, TX	BLANK0000071930	0.8
No	KWES-TV	D9	DT	LIC	ODESSA, TX	BLCDT20121210ACW	195.2
Yes	KBIM-TV	D10	DT	LIC	ROSWELL, NM	BLANK0000067866	190.4
No	K10QL-D	D10	LD	CP	ABILENE, TX	BPDVL20140626ABB	230.3
No	K10QL-D	D10	LD	LIC	ABILENE, TX	BLDVL20140224ACE	230.3
Yes	KFDA-TV	D10	DT	LIC	AMARILLO, TX	BLCDT20111114BLB	197.5
No	KCBD	D11	DT	LIC	LUBBOCK, TX	BLANK0000010766	3.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D10
       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: DIE TLS Omnioid 10.0 deg
Elev Pattrn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.96 kW	117.4 m	48.2 km
45.0	2.64	127.2	48.6
90.0	1.53	136.7	46.0
135.0	0.975	132.5	42.2
180.0	1.23	120.5	42.5
225.0	1.09	103.2	39.3
270.0	1.12	95.5	38.2
315.0	2.13	101.8	43.7

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 BLANK0000071930 APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K42LB-D	D9	LD	APP	LUBBOCK, TX	BLANK0000071930	
Undesireds:	KRDJ-LD	D10	LD	APP	LUBBOCK, TX	KRDJ_Ch10_DIE-TLS_10de	0.8 km

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
5350.5	291,582	5350.5	291,582	5350.5	291,582	5348.5	291,316	0.04	0.09

Undesired	Total IX	Unique IX, before	Unique IX, after
KRDJ-LD D10 LD APP	2.0	266	2.0	266

Interference to BLANK0000067866 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBIM-TV	D10	DT	LIC	ROSWELL, NM	BLANK0000067866	
Undesireds:	KRDJ-LD	D10	LD	APP	LUBBOCK, TX	KRDJ_Ch10_DIE-TLS_10de	190.4 km
	KWES-TV	D9	DT	LIC	ODESSA, TX	BLCDT20121210ACW	148.0
	KCHF	D10	DT	LIC	SANTA FE, NM	BLANK0000004531	391.4
	KFDA-TV	D10	DT	LIC	AMARILLO, TX	BLCDT20111114BLB	308.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
45820.5	205,677	45205.3	205,632	43210.4	205,369	43014.6	205,330	0.45	0.02

Undesired	Total IX	Unique IX, before	Unique IX, after
KRDJ-LD D10 LD APP	247.2	47	195.8	39
KWES-TV D9 DT LIC	1089.9	68	1089.9	68	1089.9	68
KCHF D10 DT LIC	36.5	4	9.9	0	9.9	0
KFDA-TV D10 DT LIC	895.1	195	868.4	191	817.1	183

Interference to BLCDT20111114BLB LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KFDA-TV	D10	DT	LIC	AMARILLO, TX	BLCDT20111114BLB	
Undesireds:	KRDJ-LD	D10	LD	APP	LUBBOCK, TX	KRDJ_Ch10_DIE-TLS_10de	197.5 km
	KBIM-TV	D10	DT	LIC	ROSWELL, NM	BLANK0000067866	308.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
46064.2	385,073	44735.5	384,426	44414.8	384,200	43817.2	383,373	1.35	0.22

Undesired	Total IX	Unique IX, before	Unique IX, after
KRDJ-LD D10 LD APP	710.4	895	597.6	827
KBIM-TV D10 DT LIC	320.8	226	320.8	226	207.9	158

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRDJ-LD	D10	LD	APP	LUBBOCK, TX	KRDJ_Ch10_DIE-TLS_10de	
Undesireds:	K42LB-D	D9	LD	APP	LUBBOCK, TX	BLANK0000071930	0.8 km
	KBIM-TV	D10	DT	LIC	ROSWELL, NM	BLANK0000067866	190.4

K10QL-D	D10	LD	CP	ABILENE, TX	BPDVL20140626ABB	230.3
KFDA-TV	D10	DT	LIC	AMARILLO, TX	BLCDT20111114BLB	197.5
KCBD	D11	DT	LIC	LUBBOCK, TX	BLANK0000010766	3.0

Service area		Terrain-limited		IX-free		Percent IX	
6037.6	295,511	5988.9	295,511	5748.8	295,403	4.01	0.04

Undesired		Total IX		Unique IX		Prcnt Unique IX	
K42LB-D D9 LD APP	69.1	49	44.4	37		0.74	0.01
KBIM-TV D10 DT LIC	1.0	0	0.0	0		0.00	0.00
KFDA-TV D10 DT LIC	23.9	4	7.0	4		0.12	0.00
KCBD D11 DT LIC	188.7	67	146.1	55		2.44	0.02