

tvstudy v2.2.3 (DAezu1)

Database: localhost, Study: BLDTL20140915ACU (131), Model: Longley-Rice

Start: 2018.02.06 09:45:03

Study created: 2018.02.06 09:44:06

Study build station data: LMS TV 2018-02-05 (52)

Proposal: KFAW-LD D32 LD LIC MIDLAND, TX  
 File number: BLDTL20140915ACU  
 Facility ID: 183920  
 Station data: User record  
 Record ID: 133  
 Country: U.S.

Build options:

Protect records not on baseline channel

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
K31LL-D	D31	LD	CP	MIDLAND/ODESSA, TX	BNPDTL20090825AWQ	14.3 km
KWAB-TV	D33	DT	LIC	BIG SPRING, TX	BLCDT20090818AAN	73.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32  
 Mask: Full Service  
 Latitude: 32 4 5.00 N (NAD83)  
 Longitude: 102 13 53.00 W  
 Height AMSL: 1033.0 m  
 HAAT: 0.0 m  
 Peak ERP: 15.0 kW  
 Antenna: SIRA UTV01 0.0 deg  
 Elev Pattn: Generic  
 Elec Tilt: 0.50

50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.542 kW	146.7 m	30.1 km
45.0	0.573	154.3	30.8
90.0	4.34	173.0	42.4
135.0	14.6	162.9	48.0
180.0	13.5	152.1	46.9
225.0	14.6	138.0	46.3
270.0	5.51	137.8	41.4
315.0	0.559	134.8	29.4

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 150 m

Distance to Canadian border: 1881.9 km

\*\*Proposal is within coordination distance of Mexican border

Distance to Mexican border: 243.3 km

Conditions at FCC monitoring station: Kingsville TX

Bearing: 139.7 degrees Distance: 663.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 344.1 degrees Distance: 934.1 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 BNPDTL20090825AWQ CP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K3ILL-D	D31	LD	CP	MIDLAND/ODESSA, TX	BNPDTL20090825AWQ	
Undesireds:	KFAW-LD	D32	LD	LIC	MIDLAND, TX	BLDTL20140915ACU	14.3 km
	KWWT	D30	DT	APP	ODESSA, TX	BLANK0000036063	7.9
	K31KJ-D	D31	LD	LIC	BIG SPRINGS, TX	BLDTT20121010ABK	89.0
	KLBK-TV	D31	DT	CP	LUBBOCK, TX	BLANK0000028452	172.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
2816.8		269,941		2808.8		2243.6	0.00
				222,144		222,144	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KFAW-LD D32 LD LIC		5.0		0		0.0	0
KWWT D30 DT APP		523.8		47,619		302.9	43,375
K31KJ-D D31 LD LIC		248.1		4,408		28.2	164
KLBK-TV D31 DT CP		14.2		14		13.2	14

-----  
Interference to BNPDTL20090825AWQ CP, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K3ILL-D	D31	LD	CP	MIDLAND/ODESSA, TX	BNPDTL20090825AWQ	
Undesireds:	KFAW-LD	D32	LD	LIC	MIDLAND, TX	BLDTL20140915ACU	14.3 km
	KWWT	D30	DT	LIC	ODESSA, TX	BLCDDT20090612AJT	7.9
	K31KJ-D	D31	LD	LIC	BIG SPRINGS, TX	BLDTT20121010ABK	89.0
	KLBK-TV	D31	DT	CP	LUBBOCK, TX	BLANK0000028452	172.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
2816.8		269,941		2808.8		2546.5	0.00
				265,519		265,519	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KFAW-LD D32 LD LIC		5.0		0		0.0	0
KWWT D30 DT LIC		2.0		0		0.0	0
K31KJ-D D31 LD LIC		248.1		4,408		242.0	4,408
KLBK-TV D31 DT CP		14.2		14		14.2	14

-----  
Interference to BLCDDT20090818AAN LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KWAB-TV	D33	DT	LIC	BIG SPRING, TX	BLCDDT20090818AAN	
Undesireds:	KFAW-LD	D32	LD	LIC	MIDLAND, TX	BLDTL20140915ACU	73.4 km
	KJTV-CD	D33	DC	LIC	WOLFFORTH, TX	BLDTL20101123A0D	140.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
8487.9		50,642		8390.1		8245.0	0.09
				50,619		50,402	0.25
Undesired		Total IX		Unique IX, before		Unique IX, after	
KFAW-LD D32 LD LIC		7.1		125		7.1	125
KJTV-CD D33 DC LIC		138.1		92		138.1	92

-----  
Interference to proposal, scenario 1

3.07% interference

Desired:	Call KFAW-LD	Chan D32	Svc LD	Status LIC	City, State MIDLAND, TX	File Number BLDTL20140915ACU	Distance
Undesireds:	K31LL-D	D31	LD	CP	MIDLAND/ODESSA, TX	BNPDTL20090825AWQ	14.3 km
	Service area 5027.6 274,414			Terrain-limited 5027.6 274,414	4949.8	IX-free 265,991	Percent IX 1.55 3.07
Undesired				Total IX		Unique IX	Prcnt Unique IX
K31LL-D D31 LD CP			77.8	8,423	77.8	8,423	1.55 3.07