

tvstudy v2.2.2
Database: localhost, Study: DTVBL59988 (97), Model: Longley-Rice
Start: 2017.06.22 14:41:03

Study created: 2017.06.22 14:40:44

Study build station data: LMS TV 2017-06-14 (5)

Proposal: KTAB-TV D30 DT BL ABILENE, TX
File number: DTVBL59988
Facility ID: 59988
Station data: User record
Record ID: 74
Country: U.S.

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
KRBC-TV	D29	DT	LIC	ABILENE, TX	BLCDDT20070831AAK	0.0 km
KDTN	D29	DT	BL	DENTON, TX	DTVBL49326	249.4
KMPX	D30	DT	LIC	DECATUR, TX	BLCDDT20060317AGE	249.1
KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY	220.0
KPLE-CD	D30	DC	CP	KILLEEN, TX	BPDTA20130211ACF	220.0
KWWT	D30	DT	LIC	ODESSA, TX	BLCDDT20090612AJT	255.1
KABB	D30	DT	LIC	SAN ANTONIO, TX	BLCDDT20100527AFI	355.3
KAZD	D31	DT	BL	LAKE DALLAS, TX	DTVBL17433	249.2
KLBK-TV	D31	DT	BL	LUBBOCK, TX	DTVBL3660	253.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30
Latitude: 32 16 38.47 N (NAD83)
Longitude: 99 35 52.29 W
Height AMSL: 892.0 m
HAAT: 286.8 m
Peak ERP: 650 kW
Antenna: Omnidirectional

40.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	650 kW	300.7 m	94.4 km
45.0	650	291.5	93.1
90.0	650	303.7	94.8
135.0	650	300.5	94.4
180.0	650	266.1	89.0
225.0	650	255.1	87.2
270.0	650	242.4	85.5
315.0	650	333.9	97.9

Proposal service area is within baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 1806.9 km

Distance to Mexican border: 327.3 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 162.5 degrees Distance: 562.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 331.5 degrees Distance: 1006.6 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 BLCDDT20070831AAK LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRBC-TV	D29	DT	LIC	ABILENE, TX	BLCDDT20070831AAK	

Undesireds:	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	0.0 km
	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	0.0
	KUPT	D29	DT	LIC	HOBBS, NM	BLCDDT20081125ADR	331.7
	KYLE-TV	D29	DT	BL	BRYAN, TX	DTVBL60384	348.6
	KDTN	D29	DT	BL	DENTON, TX	DTVBL49326	249.3
	KHPX-CD	D29	DC	BL	GEORGETOWN, TX	DTVBL35911	261.7
	KENS	D29	DT	BL	SAN ANTONIO, TX	DTVBL26304	357.6

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
22532.0	229,395	22355.4	229,277	22118.3	228,560	22017.4	228,255	0.46	0.13

Undesired		Total IX	Unique IX, before	Unique IX, after
KTAB-TV D30 DT BL	16.1	4	16.1	4
KTAB-TV D30 DT BL	133.1	377		117.0 309
KDTN D29 DT BL	217.1	713	213.1 713	197.0 645
KENS D29 DT BL	7.9	0	4.0 0	4.0 0

Interference to BLCDDT20070831AAK LIC, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRBC-TV	D29	DT	LIC	ABILENE, TX	BLCDDT20070831AAK	
Undesireds:	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	0.0 km
	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	0.0
	KUPT	D29	DT	LIC	HOBBS, NM	BLCDDT20081125ADR	331.7
	KYLE-TV	D29	DT	BL	BRYAN, TX	DTVBL60384	348.6
	KDTN	D29	DT	BL	DENTON, TX	DTVBL49326	249.3
	KHPX-CD	D29	DC	BL	GEORGETOWN, TX	DTVBL35911	261.7
	KENS	D29	DT	BL	SAN ANTONIO, TX	DTVBL26304	357.6

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
22532.0	229,395	22355.4	229,277	22118.3	228,560	22017.4	228,255	0.46	0.13

Undesired		Total IX	Unique IX, before	Unique IX, after
KTAB-TV D30 DT BL	16.1	4	16.1	4
KTAB-TV D30 DT BL	133.1	377		117.0 309
KDTN D29 DT BL	217.1	713	213.1 713	197.0 645
KENS D29 DT BL	7.9	0	4.0 0	4.0 0

Interference to DTVBL49326 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL49326 BL, scenario 2
Proposal causes no interference.

Interference to BLCDDT20060317AGE LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDDT20060317AGE	
Undesireds:	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	249.1 km
	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	249.1
	KDTN	D29	DT	BL	DENTON, TX	DTVBL49326	5.2
	KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY	183.0
	KXLN-DT	D30	DT	BL	ROSENBERG, TX	DTVBL53847	363.9
	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLCDDT20100527AFI	387.0
	KAZD	D31	DT	BL	LAKE DALLAS, TX	DTVBL17433	0.2

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
37484.5	6,678,829	37183.2	6,674,706	35813.8	6,642,435	36050.5	6,645,647	-0.66	-0.05

Undesired		Total IX	Unique IX, before	Unique IX, after
KTAB-TV D30 DT BL	1184.0	27,160	1167.9	27,127
KTAB-TV D30 DT BL	947.3	23,948		931.2 23,915
KDTN D29 DT BL	20.2	388	12.1 380	12.1 380
KPLE-CD D30 DC LIC	8.1	14	0.0 0	0.0 0
KAZD D31 DT BL	177.4	4,742	169.3 4,731	169.3 4,731

Interference to BLCDDT20060317AGE LIC, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDDT20060317AGE	
Undesireds:	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	249.1 km
	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	249.1

KDTN	D29	DT	BL	DENTON, TX	DTVBL49326	5.2			
KPLE-CD	D30	DC	CP	KILLEEN, TX	BPDTA20130211ACF	183.0			
KXLN-DT	D30	DT	BL	ROSENBERG, TX	DTVBL53847	363.9			
KABB	D30	DT	LIC	SAN ANTONIO, TX	BLCDDT20100527AFI	387.0			
KAZD	D31	DT	BL	LAKE DALLAS, TX	DTVBL17433	0.2			
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
37484.5	6,678,829	37183.2	6,674,706	35813.8	6,642,435	36050.5	6,645,647	-0.66	-0.05
Undesired			Total IX	Unique IX, before		Unique IX, after			
KTAB-TV D30	DT	BL	1184.0	27,160	1163.8	27,098			
KTAB-TV D30	DT	BL	947.3	23,948			927.1	23,886	
KDTN D29	DT	BL	20.2	388	12.1	380	12.1	380	
KPLE-CD D30	DC	CP	12.1	43	0.0	0	0.0	0	
KAZD D31	DT	BL	177.4	4,742	169.3	4,731	169.3	4,731	

Interference to BLDLTL20090416ASY LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY			
Undesireds:	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	220.0 km		
	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	220.0		
	KYLE-TV	D29	DT	BL	BRYAN, TX	DTVBL60384	133.1		
	KHPX-CD	D29	DC	BL	GEORGETOWN, TX	DTVBL35911	53.9		
	K09YZ-D	D30	DC	BL	BEEVILLE-REFUGIO, TX	DTVBL51373	300.5		
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDDT20060317AGE	183.0		
	KXLN-DT	D30	DT	BL	ROSENBERG, TX	DTVBL53847	272.9		
	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLCDDT20100527AFI	205.2		
	KBVO-CD	D31	DC	LIC	AUSTIN, TX	BLANK0000001127	84.1		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
5584.8	411,994	5473.4		410,544	5274.5	398,380	5290.4	398,566	-0.30 -0.05
Undesired				Total IX	Unique IX, before		Unique IX, after		
KTAB-TV	D30	DT	BL	83.6	7,307	23.9	186		
KTAB-TV	D30	DT	BL	51.7	6,613			8.0	0
KMPX	D30	DT	LIC	31.9	7,305	4.0	40	4.0	40
KXLN-DT	D30	DT	BL	27.9	7,256	0.0	0	0.0	0
KABB	D30	DT	LIC	167.1	11,914	91.4	3,452	107.3	3,960

Interference to BPDTA20130211ACF CP, scenario 1

Desired:	Call KPLE-CD	Chan D30	Svc DC	Status CP	City, State KILLEEN, TX	File Number BPDTA20130211ACF	Distance			
Undesireds:	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	220.0 km			
	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	220.0			
	KYLE-TV	D29	DT	BL	BRYAN, TX	DTVBL60384	133.1			
	KHPX-CD	D29	DC	BL	GEORGETOWN, TX	DTVBL35911	53.9			
	K09YZ-D	D30	DC	BL	BEEVILLE-REFUGIO, TX	DTVBL51373	300.5			
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDDT20060317AGE	183.0			
	KXLN-DT	D30	DT	BL	ROSENBERG, TX	DTVBL53847	272.9			
	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLCDDT20100527AFI	205.2			
	KBVO-CD	D31	DC	LIC	AUSTIN, TX	BLANK0000001127	84.1			
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
6138.1	429,269	6046.5	428,180	5823.6	417,062	5831.6	417,081	-0.14	-0.00	
Undesired				Total IX	Unique IX, before		Unique IX, after			
KTAB-TV	D30	DT	BL	115.4	3,177	19.9	43			
KTAB-TV	D30	DT	BL	95.5	446			11.9	24	
KMPX	D30	DT	LIC	43.8	1,906	0.0	0	0.0	0	
KXLN-DT	D30	DT	BL	59.9	8,075	8.0	30	8.0	30	
KABB	D30	DT	LIC	183.0	10,986	83.5	2,848	91.4	2,871	

Interference to BLCDDT20090612AJT LIC, scenario 1

Desired:	Call KWWT	Chan D30	Svc DT	Status LIC	City, State ODESSA, TX	File Number BLCDDT20090612AJT	Distance			
Undesireds:	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	255.1 km			
	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	255.1			
	KUPT	D29	DT	LIC	HOBBS, NM	BLCDDT20081125ADR	106.3			
	Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
10125.1	293,291	10101.1		293,291	9955.9	293,266	9971.9	293,268	-0.16	-0.00

Undesired				Total IX	Unique IX, before	Unique IX, after
KTAB-TV D30 DT BL				25	145.3	25
KTAB-TV D30 DT BL	145.3			23		129.2
	129.2					23

Interference to BLCDT20090612AJT LIC, scenario 2

Desired:	Call KWWT	Chan D30	Svc DT	Status LIC	City, State ODESSA, TX	File Number BLCDT20090612AJT	Distance
Undesireds:	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	255.1 km
	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	255.1
	KUPT	D29	DT	LIC	HOBBS, NM	BLCDT20081125ADR	106.3
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
10125.1	293,291	10101.1	293,291	9955.9	293,266	9971.9	293,268
							-0.16 -0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
KTAB-TV D30 DT BL				25	145.3	25	
KTAB-TV D30 DT BL	145.3			23		129.2	23
	129.2						

Interference to BLCDT20100527AFI LIC, scenario 1

Desired:	Call KABB	Chan D30	Svc DT	Status LIC	City, State SAN ANTONIO, TX	File Number BLCDT20100527AFI	Distance
Undesireds:	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	355.3 km
	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	355.3
	KHPX-CD	D29	DC	BL	GEORGETOWN, TX	DTVBL35911	157.0
	KENS	D29	DT	BL	SAN ANTONIO, TX	DTVBL26304	2.4
	K09YZ-D	D30	DC	BL	BEEVILLE-REFUGIO, TX	DTVBL51373	129.5
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDT20060317AGE	387.0
	KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY	205.2
	KXLN-DT	D30	DT	BL	ROSENBERG, TX	DTVBL53847	268.9
	KBVO-CD	D31	DC	LIC	AUSTIN, TX	BLANK0000001127	123.6
	K31KK-D	D31	DC	LIC	KINGSVILLE-ALICE, TX	BLANK0000001576	183.5
	KVDF-CD	D31	DC	LIC	SAN ANTONIO, TX	BLANK0000001489	28.3
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
33538.3	2,474,296	32682.9	2,456,689	32072.6	2,440,706	32076.7	2,440,708
							-0.01 -0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
KTAB-TV D30 DT BL				746	56.3	451	
KTAB-TV D30 DT BL	84.5			744		52.3	449
KENS D29 DT BL	80.4			682	292.9	292.9	669
K09YZ-D D30 DC BL	300.9			51	16.1	16.1	51
KPLE-CD D30 DC LIC	16.1			268	0.0	0.0	0
KXLN-DT D30 DT BL	24.1			13,951	120.5	120.5	2,506
KBVO-CD D31 DC LIC	204.8			11,290	8.0	8.0	108
KVDF-CD D31 DC LIC	68.3			715	28.0	28.0	715

Interference to BLCDT20100527AFI LIC, scenario 2

Desired:	Call KABB	Chan D30	Svc DT	Status LIC	City, State SAN ANTONIO, TX	File Number BLCDT20100527AFI	Distance
Undesireds:	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	355.3 km
	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	355.3
	KHPX-CD	D29	DC	BL	GEORGETOWN, TX	DTVBL35911	157.0
	KENS	D29	DT	BL	SAN ANTONIO, TX	DTVBL26304	2.4
	K09YZ-D	D30	DC	BL	BEEVILLE-REFUGIO, TX	DTVBL51373	129.5
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDT20060317AGE	387.0
	KPLE-CD	D30	DC	CP	KILLEEN, TX	BPDTA20130211ACF	205.2
	KXLN-DT	D30	DT	BL	ROSENBERG, TX	DTVBL53847	268.9
	KBVO-CD	D31	DC	LIC	AUSTIN, TX	BLANK0000001127	123.6
	K31KK-D	D31	DC	LIC	KINGSVILLE-ALICE, TX	BLANK0000001576	183.5
	KVDF-CD	D31	DC	LIC	SAN ANTONIO, TX	BLANK0000001489	28.3
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
33538.3	2,474,296	32682.9	2,456,689	32060.6	2,440,701	32064.6	2,440,703
							-0.01 -0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
KTAB-TV D30 DT BL				746	52.3	451	
KTAB-TV D30 DT BL	84.5			744		48.3	449
KENS D29 DT BL	80.4			682	292.9	292.9	669
K09YZ-D D30 DC BL	300.9			51	16.1	16.1	51
KPLE-CD D30 DC CP	16.1			1,577	12.0	12.0	5
KXLN-DT D30 DT BL	44.2			13,951	120.5	120.5	2,506
KBVO-CD D31 DC LIC	204.8			11,290	8.0	8.0	108

KVDF-CD D31 DC LIC 28.0 715 28.0 715 28.0 715

Interference to DTVBL17433 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL17433 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL3660 BL, scenario 1
Proposal causes no interference.

Interference to proposal, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	
Undesireds:	KRBC-TV	D29	DT	LIC	ABILENE, TX	BLCDDT20070831AAK	0.0 km
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDDT20060317AGE	249.1
	KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY	220.0
	KWWT	D30	DT	LIC	ODESSA, TX	BLCDDT20090612AJT	255.1
	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLCDDT20100527AFI	355.3
Service area		Terrain-limited		IX-free		Percent IX	
26720.2		270,128		26511.6		267,675	
				26145.3		267,032	
						1.38	
						0.24	
Undesired		Total IX		Unique IX		Prcnt Unique IX	
KMPX D30 DT LIC		346.3		604		334.2	
KPLE-CD D30 DC LIC		12.1		16		0.0	
KWWT D30 DT LIC		4.0		0		4.0	
KABB D30 DT LIC		15.9		39		15.9	
						39	
						0.06	
						0.01	

Interference to proposal, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KTAB-TV	D30	DT	BL	ABILENE, TX	DTVBL59988	
Undesireds:	KRBC-TV	D29	DT	LIC	ABILENE, TX	BLCDDT20070831AAK	0.0 km
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDDT20060317AGE	249.1
	KPLE-CD	D30	DC	CP	KILLEEN, TX	BPDTA20130211ACF	220.0
	KWWT	D30	DT	LIC	ODESSA, TX	BLCDDT20090612AJT	255.1
	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLCDDT20100527AFI	355.3
Service area		Terrain-limited		IX-free		Percent IX	
26720.2		270,128		26511.6		267,675	
				26145.3		267,032	
						1.38	
						0.24	
Undesired		Total IX		Unique IX		Prcnt Unique IX	
KMPX D30 DT LIC		346.3		604		334.2	
KPLE-CD D30 DC CP		12.1		16		0.0	
KWWT D30 DT LIC		4.0		0		4.0	
KABB D30 DT LIC		15.9		39		15.9	
						39	
						0.06	
						0.01	