

tvstudy v2.2.3 (Dxtpx3)  
Database: localhost, Study: KTES-LD 26 DLP8M 15kW 171023, Model: Longley-Rice  
Start: 2017.10.23 11:25:27

Study created: 2017.10.23 11:24:22

Study build station data: LMS TV 2017-10-01 (38)

Proposal: KTES-LD D26 LD APP ABILENE, TX  
File number: KTES-LD 26 DLP8M 15kW 171023  
Facility ID: 64972  
Station data: User record  
Record ID: 2186  
Country: U.S.

Build options:  
Protect records not on baseline channel

Search options:  
Non-U.S. records included  
Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
K25LZ-D	D25	LD	CP	ROSCOE, TX	BNPDTL20100310ACD	49.6 km
K26KP-D	D26	LD	CP	CISCO, TX	BNPDTL20100304AAU	102.4
K26LK-D	D26	LD	CP	LUBBOCK, TX	BNPDTL20091218AFD	197.1
DKTGB-LP	D26	LD	APP	LUBBOCK, TX	BDISDTL20100728AGO	208.1
KMID	D26	DT	LIC	MIDLAND, TX	BLCDT20110218AAS	208.1
KJBA-LD	D26	LD	CP	SAN ANGELO, TX	BDISDTL20101007ABJ	107.8
KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	289.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26  
Mask: Simple  
Latitude: 32 24 48.40 N (NAD83)  
Longitude: 100 6 26.30 W  
Height AMSL: 954.0 m  
HAAT: 0.0 m  
Peak ERP: 15.0 kW  
Antenna: DIE DLP-8M Rot 40dgs 0.0 deg  
Elev Pattn: Generic  
Elec Tilt: 1.2

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	14.7 kW	371.8 m	60.3 km
45.0	12.2	385.8	59.9
90.0	15.0	373.4	60.5
135.0	8.60	316.6	54.6
180.0	0.637	274.1	38.4
225.0	2.13	247.9	43.6
270.0	1.81	219.2	41.2
315.0	10.6	345.4	57.2

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 317 m

Distance to Canadian border: 1833.6 km

Distance to Mexican border: 318.4 km

Conditions at FCC monitoring station: Kingsville TX  
Bearing: 158.2 degrees Distance: 592.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
 Bearing: 333.3 degrees Distance: 971.0 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%

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 Interference to BNPDTL20100310ACD CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K25LZ-D	D25	LD	CP	ROSCOE, TX	BNPDTL20100310ACD	
Undesireds:	KTES-LD	D26	LD	APP	ABILENE, TX	KTES-LD 26 DLP8M 15kW	49.6 km
	K25IC	N25+	TX	LIC	LAWTON, OK	BLTTL20070212ACG	317.1
	K25MT-D	D25	LD	CP	BIG SPRING, TX	BNPDTL20100312ACX	91.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
1527.9 10,401		1517.8 10,396		1516.8 10,390		1493.7 10,373	1.52 0.16
Undesired		Total IX		Unique IX, before		Unique IX, after	
KTES-LD D26 LD APP		23.1 17				23.1 17	
K25MT-D D25 LD CP		1.0 6		1.0 6		1.0 6	

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 Interference to BNPDTL20100304AAU CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K26KP-D	D26	LD	CP	CISCO, TX	BNPDTL20100304AAU	
Undesireds:	KTES-LD	D26	LD	APP	ABILENE, TX	KTES-LD 26 DLP8M 15kW	102.4 km
	KJBA-LD	D26	LD	CP	SAN ANGELO, TX	BDISDTL20101007ABJ	167.3
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	196.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
1699.1 11,563		1675.0 11,557		1656.0 11,541		1631.9 11,523	1.45 0.16
Undesired		Total IX		Unique IX, before		Unique IX, after	
KTES-LD D26 LD APP		38.1 23				24.1 18	
KJBA-LD D26 LD CP		2.0 5		2.0 5		0.0 0	
KXXV D26 DT LIC		17.1 11		17.1 11		5.0 11	

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 Interference to BNPDTL20091218AFD CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K26LK-D	D26	LD	CP	LUBBOCK, TX	BNPDTL20091218AFD	
Undesireds:	KTES-LD	D26	LD	APP	ABILENE, TX	KTES-LD 26 DLP8M 15kW	197.1 km
	KTTZ-TV	D25	DT	CP	LUBBOCK, TX	BLANK00000026301	18.7
	KZBZ-CD	D26z	DC	LIC	CLOVIS, NM	BLANK00000001641	169.5
	DKTGB-LP	D26	LD	APP	LUBBOCK, TX	BDISDTL20100728AGO	18.6
	KMID	D26	DT	LIC	MIDLAND, TX	BLCDT20110218AAS	152.4
	KAMC	D27	DT	LIC	LUBBOCK, TX	BLCDT20080227ABN	12.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
69.5 6,530		69.5 6,530		1.0 63		1.0 63	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KTES-LD D26 LD APP		1.0 151				0.0 0	
KTTZ-TV D25 DT CP		12.9 552		0.0 0		0.0 0	
KZBZ-CD D26z DC LIC		1.0 9		0.0 0		0.0 0	
DKTGB-LP D26 LD APP		68.5 6,467		16.9 1,005		16.9 1,005	
KMID D26 DT LIC		8.9 339		0.0 0		0.0 0	
KAMC D27 DT LIC		51.6 5,462		0.0 0		0.0 0	

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## Interference to BDISDTL20100728AGO APP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	DKTGB-LP	D26	LD	APP	LUBBOCK, TX	BDISDTL20100728AGO	
Undesireds:	KTES-LD	D26	LD	APP	ABILENE, TX	KTES-LD 26 DLP8M 15kW	208.1 km
	KTTZ-TV	D25	DT	CP	LUBBOCK, TX	BLANK0000026301	3.9
	K26LK-D	D26	LD	CP	LUBBOCK, TX	BNPDTL20091218AFD	18.6
	KMID	D26	DT	LIC	MIDLAND, TX	BLCDT20110218AAS	170.3
	KAMC	D27	DT	LIC	LUBBOCK, TX	BLCDT20080227ABN	6.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
5460.7		290,648		2134.6		2132.6	0.09
				271,297		271,297	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KTES-LD D26 LD APP		2.0		0		2.0	0
KTTZ-TV D25 DT CP		562.1		2,348		0.0	0
K26LK-D D26 LD CP		1.0		63		1.0	63
KMID D26 DT LIC		20.8		0		1.0	0
KAMC D27 DT LIC		3300.3		19,288		2730.3	16,940

## Interference to BLCDT20110218AAS LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KMID	D26	DT	LIC	MIDLAND, TX	BLCDT20110218AAS	
Undesireds:	KTES-LD	D26	LD	APP	ABILENE, TX	KTES-LD 26 DLP8M 15kW	208.1 km
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
28443.5		383,421		28232.9		28206.8	0.09
				383,411		383,411	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KTES-LD D26 LD APP		26.1		0		26.1	0

## Interference to BDISDTL20101007ABJ CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KJBA-LD	D26	LD	CP	SAN ANGELO, TX	BDISDTL20101007ABJ	
Undesireds:	KTES-LD	D26	LD	APP	ABILENE, TX	KTES-LD 26 DLP8M 15kW	107.8 km
	KMID	D26	DT	LIC	MIDLAND, TX	BLCDT20110218AAS	183.7
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	249.4
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
6154.7		113,913		5717.2		5680.8	0.64
				113,824		113,769	0.04
Undesired		Total IX		Unique IX, before		Unique IX, after	
KTES-LD D26 LD APP		51.6		45		36.4	44
KMID D26 DT LIC		102.6		11		84.3	10
KPXL-TV D26 DT LIC		8.1		0		4.1	0

## Interference to BLCDT20050630AFE LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	
Undesireds:	KTES-LD	D26	LD	APP	ABILENE, TX	KTES-LD 26 DLP8M 15kW	289.8 km
	KPXD-TV	D25	DT	CP	ARLINGTON, TX	BLANK0000027491	138.0
	KHPZ-CD	D25	DC	CP	ROUND ROCK, TX	BLANK0000027658	88.4
	KRIV	D26	DT	LIC	HOUSTON, TX	BLCDT20111212AHM	262.1
	KTAL-TV	D26	DT	CP	TEXARKANA, TX	BLANK0000028380	356.4
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	253.4
	KDFI	D27	DT	CP	DALLAS, TX	BLANK0000027211	138.0
	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	140.4
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
39012.0		1,772,998		37659.4		37658.4	0.00
				1,749,059		1,685,113	0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
KTES-LD D26 LD APP	1.0	0			1.0	0
KPXD-TV D25 DT CP	255.5	5,860	7.0	78	7.0	78
KHPZ-CD D25 DC CP	2.0	1,703	2.0	1,703	2.0	1,703
KRIV D26 DT LIC	405.0	28,892	353.9	4,769	353.9	4,769
KTAL-TV D26 DT CP	63.5	442	18.2	0	18.2	0
KPXL-TV D26 DT LIC	243.5	50,558	138.0	23,938	138.0	23,938
KDFI D27 DT CP	324.9	6,555	75.5	773	75.5	773
KBVO D27 DT LIC	119.4	2,901	51.8	260	51.8	260

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Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTES-LD	D26	LD	APP	ABILENE, TX	KTES-LD 26 DLP8M 15kW	
Undesireds:	K26KP-D	D26	LD	CP	CISCO, TX	BNPDTL20100304AAU	102.4 km
	KMID	D26	DT	LIC	MIDLAND, TX	BLCDT20110218AAS	208.1
	KJBA-LD	D26	LD	CP	SAN ANGELO, TX	BDISDTL20101007ABJ	107.8
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	289.8

Service area	Terrain-limited	IX-free	Percent IX
8705.8 174,253	8513.4 173,706	8373.5 173,362	1.64 0.20

Undesired		Total IX	Unique IX		Prcnt Unique IX	
K26KP-D D26 LD CP	31.2	124	14.1	40	0.17	0.02
KMID D26 DT LIC	99.6	296	53.3	163	0.63	0.09
KJBA-LD D26 LD CP	55.4	57	24.2	8	0.28	0.00
KXXV D26 DT LIC	10.1	56	0.0	0	0.00	0.00