

tvstudy v2.2.2

Database: localhost, Study: v927, Model: Longley-Rice

Start: 2017.06.27 09:17:49

Study created: 2017.06.27 09:17:44

Study build station data: LMS TV 2017-06-19 (29)

Proposal: KTAL-TV D26 DT BL TEXARKANA, TX

File number: DTVBL35648

Facility ID: 35648

Station data: User record

Record ID: 1041

Country: U.S.

Zone: II

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
KBCA	D26	DT	BL	ALEXANDRIA, LA	DTVBL16940	257.5 km
KOTV-DT	D26	DT	BL	TULSA, OK	DTVBL35434	378.8
KRIV	D26	DT	LIC	HOUSTON, TX	BLCDT20111212AHM	396.0
KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	356.4
KTVE	D27	DT	LIC	EL DORADO, AR	BLCDT20070105ABH	167.1

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

Latitude: 32 54 11.00 N (NAD83)

Longitude: 94 0 21.00 W

Height AMSL: 549.7 m

HAAT: 479.8 m

Peak ERP: 927 kW

Antenna: TFU-29JTH-R 04 0.0 deg

40.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	927 kW	483.3 m	114.9 km
45.0	927	477.5	114.5
90.0	927	488.8	115.3
135.0	927	473.0	114.2
180.0	927	489.3	115.4
225.0	927	482.5	114.9
270.0	927	476.7	114.5
315.0	927	467.5	113.8

ERP exceeds maximum

ERP: 927 kW ERP maximum: 571 kW

Proposal service area is within baseline plus 1.0%

Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 1385.2 km

Distance to Mexican border: 762.8 km

Conditions at FCC monitoring station: Kingsville TX

Bearing: 212.5 degrees Distance: 712.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 311.9 degrees Distance: 1281.8 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 DTVBL16940 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBCA	D26	DT	BL	ALEXANDRIA, LA	DTVBL16940	
Undesireds:	KTAL-TV	D26	DT	BL	TEXARKANA, TX	DTVBL35648	257.5 km
	KTAL-TV	D26	DT	BL	TEXARKANA, TX	DTVBL35648	257.5
	WLPB-TV	D25	DT	LIC	BATON ROUGE, LA	BLEDT20101201ALR	148.1
	WGNO	D26	DT	LIC	NEW ORLEANS, LA	BLCDT20121019AAK	276.7
	KRIV	D26	DT	LIC	HOUSTON, TX	BLCDT20111212AHM	312.7
	KBTW-TV	D27	DT	BL	PORT ARTHUR, TX	DTVBL61214	154.7

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
22986.1	463,053	22950.5	463,031	22532.2	461,009	22556.2	461,214	-0.11	-0.04

Undesired				Total IX		Unique IX, before		Unique IX, after
KTAL-TV D26 DT BL			418.3	2,022	390.4	1,822		
KTAL-TV D26 DT BL			394.2	1,817			366.4	1,617
KRIV D26 DT LIC			27.9	200	0.0	0	0.0	0

Interference to DTVBL35434 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KOTV-DT	D26	DT	BL	TULSA, OK	DTVBL35434	
Undesireds:	KTAL-TV	D26	DT	BL	TEXARKANA, TX	DTVBL35648	378.8 km
	KTAL-TV	D26	DT	BL	TEXARKANA, TX	DTVBL35648	378.8
	KXNW	D25	DT	BL	EUREKA SPRINGS, AR	DTVBL81593	160.4
	KFDF-CD	D25	DC	BL	FORT SMITH, AR	DTVBL168154	134.3
	KGCT-CD	D25	DC	LIC	NOWATA, OK	BLDTA20091222AAA	75.9
	KWTV-DT	D25	DT	BL	OKLAHOMA CITY, OK	DTVBL25382	170.1
	KSAS-TV	D26	DT	LIC	WICHITA, KS	BLCDT20021120AAN	254.4
	KFTA-TV	D27	DT	LIC	FORT SMITH, AR	BLCDT20090331AEC	142.8
	KFOR-TV	D27	DT	LIC	OKLAHOMA CITY, OK	BLCDT20050701ABR	170.1

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
41630.3	1,417,565	40714.5	1,403,688	39846.8	1,390,914	39846.8	1,390,914	0.00	0.00

Undesired				Total IX		Unique IX, before		Unique IX, after
KTAL-TV D26 DT BL			56.1	406	35.9	240		
KTAL-TV D26 DT BL			52.1	382			35.9	240
KFDF-CD D25 DC BL			88.8	624	40.3	388	44.4	412
KGCT-CD D25 DC LIC			7.9	70	7.9	70	7.9	70
KWTV-DT D25 DT BL			309.7	6,065	0.0	0	0.0	0
KSAS-TV D26 DT LIC			240.0	1,005	240.0	1,005	240.0	1,005
KFTA-TV D27 DT LIC			137.2	4,177	84.8	3,837	84.8	3,837
KFOR-TV D27 DT LIC			398.2	6,863	88.5	798	88.5	798

Interference to BLCDT20111212AHM LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired:	KRIV	D26	DT	LIC	HOUSTON, TX	BLCDDT20111212AHM			
Undesireds:	KTAL-TV	D26	DT	BL	TEXARKANA, TX	DTVBL35648		396.1	km
	KTAL-TV	D26	DT	BL	TEXARKANA, TX	DTVBL35648		396.0	
	KYAZ	D25	DT	BL	KATY, TX	DTVBL31870		2.1	
	KBCA	D26	DT	BL	ALEXANDRIA, LA	DTVBL16940		312.7	
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDDT20090612AHU		343.6	
	KXXV	D26	DT	LIC	WACO, TX	BLCDDT20050630AFE		262.1	
	KBTB-TV	D27	DT	BL	PORT ARTHUR, TX	DTVBL61214		159.0	

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	40137.6	6,078,936	40089.5	6,078,846	39523.4	6,072,866	39523.4	6,072,866	0.00 0.00

Undesired			Total IX		Unique IX, before		Unique IX, after	
KTAL-TV D26 DT BL			12.0	52	4.0	0		
KTAL-TV D26 DT BL			12.0	52			4.0	0
KYAZ D25 DT BL			28.1	639	28.1	639	28.1	639
KBCA D26 DT BL			4.0	18	0.0	0	0.0	0
KPXL-TV D26 DT LIC			4.0	164	0.0	0	0.0	0
KXXV D26 DT LIC			272.4	2,759	260.4	2,543	260.4	2,543
KBTB-TV D27 DT BL			261.6	2,582	261.6	2,582	261.6	2,582

Interference to BLCDDT20050630AFE LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KXXV	D26	DT	LIC	WACO, TX	BLCDDT20050630AFE	
Undesireds:	KTAL-TV	D26	DT	BL	TEXARKANA, TX	DTVBL35648	356.4 km
	KTAL-TV	D26	DT	BL	TEXARKANA, TX	DTVBL35648	356.4
	KPXD-TV	D25	DT	BL	ARLINGTON, TX	DTVBL68834	138.0
	KHPZ-CD	D25	DC	BL	ROUND ROCK, TX	DTVBL35910	88.4
	KRIV	D26	DT	LIC	HOUSTON, TX	BLCDDT20111212AHM	262.1
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDDT20090612AHU	253.4
	KDFI	D27	DT	BL	DALLAS, TX	DTVBL17037	138.0
	KBVO	D27	DT	LIC	LLANO, TX	BLCDDT20090622ABA	140.4

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	38991.9	1,771,620	38695.5	1,748,287	37697.6	1,688,778	37697.6	1,688,778	0.00 0.00

Undesired			Total IX		Unique IX, before		Unique IX, after	
KTAL-TV D26 DT BL			48.5	166	16.2	42		
KTAL-TV D26 DT BL			44.5	148			16.2	42
KPXD-TV D25 DT BL			254.2	4,941	0.0	0	0.0	0
KRIV D26 DT LIC			407.7	44,220	355.5	5,425	359.5	5,443
KPXL-TV D26 DT LIC			235.5	46,925	131.6	5,556	131.6	5,556
KDFI D27 DT BL			326.8	6,998	68.6	2,057	68.6	2,057
KBVO D27 DT LIC			119.7	2,764	51.9	78	51.9	78

Interference to BLCDDT20050630AFE LIC, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KXXV	D26	DT	LIC	WACO, TX	BLCDDT20050630AFE	
Undesireds:	KTAL-TV	D26	DT	BL	TEXARKANA, TX	DTVBL35648	356.4 km
	KTAL-TV	D26	DT	BL	TEXARKANA, TX	DTVBL35648	356.4
	KPXD-TV	D25	DT	BL	ARLINGTON, TX	DTVBL68834	138.0
	KHPZ-CD	D25	DC	BL	ROUND ROCK, TX	DTVBL35910	88.4
	KRIV	D26	DT	LIC	HOUSTON, TX	BLCDDT20111212AHM	262.1
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDDT20090612AHU	253.4
	KDFI	D27	DT	BL	DALLAS, TX	DTVBL17037	138.0
	KBVO	D27	DT	LIC	LLANO, TX	BLCDDT20090622ABA	140.4

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
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38991.9	1,771,620	38695.5	1,748,287	37697.6	1,688,778	37697.6	1,688,778	0.00	0.00
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Undesired				Total IX	Unique IX, before	Unique IX, after
KTAL-TV D26 DT BL	48.5			166	16.2	42
KTAL-TV D26 DT BL	44.5			148		16.2 42
KPKD-TV D25 DT BL	254.2	4,941	0.0	0	0.0	0
KRIV D26 DT LIC	407.7	44,220	355.5	5,425	359.5	5,443
KPXL-TV D26 DT LIC	235.5	46,925	131.6	5,556	131.6	5,556
KDFI D27 DT BL	326.8	6,998	68.6	2,057	68.6	2,057
KBVO D27 DT LIC	119.7	2,764	51.9	78	51.9	78

Interference to BLCDT20070105ABH LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTVE	D27	DT	LIC	EL DORADO, AR	BLCDT20070105ABH	
Undesireds:	KTAL-TV	D26	DT	BL	TEXARKANA, TX	DTVBL35648	167.1 km
	KTAL-TV	D26	DT	BL	TEXARKANA, TX	DTVBL35648	167.1
	KFTA-TV	D27	DT	LIC	FORT SMITH, AR	BLCDT20090331AEC	341.1
	WWL-TV	D27	DT	BL	NEW ORLEANS, LA	DTVBL74192	408.9
	WCBT-TV	D27	DT	CP	COLUMBUS, MS	BLANK0000024641	319.4
	KBTB-TV	D27	DT	BL	PORT ARTHUR, TX	DTVBL61214	365.1
	KTBS-TV	D28	DT	LIC	SHREVEPORT, LA	BLCDT20020911ABZ	165.3

Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
44563.0	641,139	44494.7	640,201	42834.3 611,091	42826.3 610,963	0.02 0.02

Undesired				Total IX	Unique IX, before	Unique IX, after
KTAL-TV D26 DT BL	913.2	20,580	91.8	191		
KTAL-TV D26 DT BL	953.3	21,971			99.7	319
KFTA-TV D27 DT LIC	36.1	43	28.1	6	28.1	6
KBTB-TV D27 DT BL	52.4	494	32.3	140	32.3	140
KTBS-TV D28 DT LIC	1508.2	28,773	682.8	8,384	654.7	7,121

Interference to BLCDT20070105ABH LIC, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTVE	D27	DT	LIC	EL DORADO, AR	BLCDT20070105ABH	
Undesireds:	KTAL-TV	D26	DT	BL	TEXARKANA, TX	DTVBL35648	167.1 km
	KTAL-TV	D26	DT	BL	TEXARKANA, TX	DTVBL35648	167.1
	KFTA-TV	D27	DT	LIC	FORT SMITH, AR	BLCDT20090331AEC	341.1
	WWL-TV	D27	DT	BL	NEW ORLEANS, LA	DTVBL74192	408.9
	WCBT-TV	D27	DT	BL	COLUMBUS, MS	DTVBL12477	319.4
	KBTB-TV	D27	DT	BL	PORT ARTHUR, TX	DTVBL61214	365.1
	KTBS-TV	D28	DT	LIC	SHREVEPORT, LA	BLCDT20020911ABZ	165.3

Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
44563.0	641,139	44494.7	640,201	42834.3 611,091	42826.3 610,963	0.02 0.02

Undesired				Total IX	Unique IX, before	Unique IX, after
KTAL-TV D26 DT BL	913.2	20,580	91.8	191		
KTAL-TV D26 DT BL	953.3	21,971			99.7	319
KFTA-TV D27 DT LIC	36.1	43	28.1	6	28.1	6
KBTB-TV D27 DT BL	52.4	494	32.3	140	32.3	140
KTBS-TV D28 DT LIC	1508.2	28,773	682.8	8,384	654.7	7,121

Interference to proposal, scenario 1

0.62% interference

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTAL-TV	D26	DT	BL	TEXARKANA, TX	DTVBL35648	

Undesireds:	KBCA	D26	DT	BL	ALEXANDRIA, LA	DTVBL16940	257.5 km
	KOTV-DT	D26	DT	BL	TULSA, OK	DTVBL35434	378.8
	KRIV	D26	DT	LIC	HOUSTON, TX	BLCDT20111212AHM	396.0
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	356.4
	KTVE	D27	DT	LIC	EL DORADO, AR	BLCDT20070105ABH	167.1

Service area		Terrain-limited			IX-free		Percent IX
41287.4	1,094,443	41154.7	1,093,107	39819.2	1,086,309	3.24	0.62

Undesired		Total IX		Unique IX		Prcent Unique IX
KBCA D26 DT BL	427.4	3,116	314.9	908	0.77	0.08
KOTV-DT D26 DT BL	4.0	11	4.0	11	0.01	0.00
KRIV D26 DT LIC	12.1	297	0.0	0	0.00	0.00
KXXV D26 DT LIC	48.3	1,534	40.2	1,246	0.10	0.11
KTVE D27 DT LIC	964.2	4,336	863.8	2,425	2.10	0.22