

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: 01106_05272021_KRIV_22204, Model: Longley-Rice
Start: 2021.05.27 13:38:46

Study created: 2021.05.27 13:38:46

Study build station data: LMS TV 2021-05-26

Proposal: KRIV D26 DT APP HOUSTON, TX
File number: 01086_05142021_KRIV_22204
Facility ID: 22204
Station data: User record
Record ID: 1265
Country: U.S.
Zone: III

Search options:
Non-U.S. records included
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	KYAZ	D25	DT	LIC	KATY, TX	BLANK0000125086	2.1 km
Yes	KBCA	D26	DT	LIC	ALEXANDRIA, LA	BLANK0000078715	312.7
Yes	KRIS-TV	D26	DT	APP	CORPUS CHRISTI, TX	BLANK0000145670	288.5
Yes	KRIS-TV	D26	DT	BL	CORPUS CHRISTI, TX	DTVBL25559	288.5
Yes	KTAL-TV	D26	DT	LIC	TEXARKANA, TX	BLANK0000073076	396.0
Yes	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	343.6
Yes	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	262.1
Yes	KBTW-TV	D27	DT	LIC	PORT ARTHUR, TX	BLANK0000063140	159.0
No	XHRIO	D26	DT	LIC	MATAMOROS, TA	BLANKBPFS20160318AAK	465.5

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: 29 34 29.00 N (NAD83)
Longitude: 95 29 38.00 W
Height AMSL: 617.2 m
HAAT: 598.0 m
Peak ERP: 1000 kW

Antenna: RFS PEP46T_545MHz_Hpol_0421_HRP_FCC_FILE 0.0 deg
Elev Pattn: RFS PEP46T_545MHz_Hpol_0421_VRP
Elec Tilt: 1.00

40.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	506 kW	598.5 m	116.3 km
45.0	522	600.6	116.7
90.0	826	599.6	121.1
135.0	566	598.2	117.3
180.0	601	599.0	117.9
225.0	785	598.0	120.5
270.0	651	596.3	118.6
315.0	902	593.2	121.6

ERP exceeds maximum
ERP: 1000 kW ERP maximum: 330 kW

Distance to Canadian border: 1763.2 km

Distance to Mexican border: 424.1 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 225.1 degrees Distance: 332.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 325.5 degrees Distance: 1468.1 km

Study cell size: 0.50 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 BLANK0000125086 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KYAZ	D25	DT	LIC	KATY, TX	BLANK0000125086	
Undesireds:	KRIV	D26	DT	BL	HOUSTON, TX	DTVBL22204	2.1 km

KRIV	D26	DT	APP	HOUSTON, TX	01086_05142021_KRIV_22	2.1
KETH-TV	D24	DT	LIC	HOUSTON, TX	BLEDT20101019ABX	1.0
KPXD-TV	D25	DT	LIC	ARLINGTON, TX	BLANK0000073172	364.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
37667.5 6,039,329	37598.7 6,039,226	37393.0 6,035,284	36003.9 6,020,502	3.71 0.24

Undesired	Total IX	Unique IX, before	Unique IX, after
KRIV D26 DT BL 59.6	2,185	46.8 1,483	
KRIV D26 DT APP 1565.6	17,880		1435.9 16,265
KETH-TV D24 DT LIC 144.0	2,156	131.2 1,454	14.3 541
KPXD-TV D25 DT LIC 15.0	303	15.0 303	15.0 303

Interference to BLANK0000078715 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KBCA	D26	DT	LIC	ALEXANDRIA, LA	BLANK0000078715	
Undesireds:	KRIV	D26	DT	BL	HOUSTON, TX	DTVBL22204	312.7 km
	KRIV	D26	DT	APP	HOUSTON, TX	01086_05142021_KRIV_22	312.7
	WLPB-TV	D25	DT	CP	BATON ROUGE, LA	BLANK0000035855	148.1
	WGNO	D26	DT	LIC	NEW ORLEANS, LA	BLCDT20121019AAK	276.7
	KTAL-TV	D26	DT	LIC	TEXARKANA, TX	BLANK0000073076	257.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
24249.6 478,963	24185.8 478,819	23704.7 476,082	23706.7 476,084	-0.01 -0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KRIV D26 DT BL 66.0	340	7.9 21	
KRIV D26 DT APP 56.6	248		6.0 19
WGNO D26 DT LIC 1.5	0	0.0 0	0.0 0
KTAL-TV D26 DT LIC 473.2	2,716	413.6 2,397	421.0 2,487

Interference to BLANK0000145670 APP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRIS-TV	D26	DT	APP	CORPUS CHRISTI, TX	BLANK0000145670	
Undesireds:	KRIV	D26	DT	BL	HOUSTON, TX	DTVBL22204	288.5 km
	KRIV	D26	DT	APP	HOUSTON, TX	01086_05142021_KRIV_22	288.5
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	250.1
	KORO	D27	DT	LIC	CORPUS CHRISTI, TX	BLCDT20060626ACE	6.2
	KETF-CD	D27	DC	APP	LAREDO, TX	BMPDTA20120918AAW	190.4

	XHRIO	D26	DT	LIC	MATAMOROS, TA	BLANKBPFS20160318AAK	203.5		
	Service area			Terrain-limited	IX-free, before	IX-free, after		Percent New IX	
30472.4	565,129	30401.5		565,063	29870.5	563,321	29867.6	563,321	0.01 0.00

Undesired				Total IX	Unique IX, before	Unique IX, after			
KRIV D26 DT BL		5.8		0	0.0	0			
KRIV D26 DT APP		24.6		45		2.9	0		
KPXL-TV D26 DT LIC		488.5		1,742	476.4	1,734	462.7	1,689	
KORO D27 DT LIC		4.8		0	3.4	0	3.4	0	
XHRIO D26 DT LIC		46.2		8	38.9	0	38.7	0	

Interference to DTVBL25559 BL scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRIS-TV	D26	DT	BL	CORPUS CHRISTI, TX	DTVBL25559	
Undesireds:	KRIV	D26	DT	BL	HOUSTON, TX	DTVBL22204	288.5 km
	KRIV	D26	DT	APP	HOUSTON, TX	01086_05142021_KRIV_22	288.5
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	250.1
	KORO	D27	DT	LIC	CORPUS CHRISTI, TX	BLCDT20060626ACE	6.2
	KETF-CD	D27	DC	APP	LAREDO, TX	BMPDTA20120918AAW	190.4
	XHRIO	D26	DT	LIC	MATAMOROS, TA	BLANKBPFS20160318AAK	203.5

	Service area			Terrain-limited	IX-free, before	IX-free, after		Percent New IX	
28968.2	561,973	28940.9		561,971	28588.8	561,633	28588.1	561,633	0.00 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after			
KRIV D26 DT BL		3.1		0	0.0	0			
KRIV D26 DT APP		10.4		7		0.7	0		
KPXL-TV D26 DT LIC		338.9		338	330.7	330	325.6	323	
KORO D27 DT LIC		7.0		0	4.8	0	4.8	0	
XHRIO D26 DT LIC		12.9		8	8.1	0	8.1	0	

Interference to BLANK0000073076 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTAL-TV	D26	DT	LIC	TEXARKANA, TX	BLANK0000073076	
Undesireds:	KRIV	D26	DT	BL	HOUSTON, TX	DTVBL22204	396.0 km
	KRIV	D26	DT	APP	HOUSTON, TX	01086_05142021_KRIV_22	396.0
	KBCA	D26	DT	LIC	ALEXANDRIA, LA	BLANK0000078715	257.5
	KOTV-DT	D26	DT	LIC	TULSA, OK	BLANK0000116553	378.8

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, before		IX-free, after		Percent New IX
41286.4	1,094,078	41079.0	1,092,526	39656.3	1,084,726	39656.3	1,084,726	0.00 0.00

Undesired		Total IX		Unique IX, before		Unique IX, after
KRIV D26 DT BL	18.2	758		2.7	323	
KRIV D26 DT APP	23.4	758				2.7 323
KBCA D26 DT LIC	541.0	3,638	409.8	1,825	404.6	1,825
KOTV-DT D26 DT LIC	6.8	29	6.8	29	6.8	29
KXXV D26 DT LIC	57.8	1,529	50.0	1,077	50.0	1,077
KTVE D27 DT LIC	932.5	4,085	821.2	2,458	821.2	2,458

Interference to BLCDT20090612AHU LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	
Undesireds:	KRIV	D26	DT	BL	HOUSTON, TX	DTVBL22204	343.6 km
	KRIV	D26	DT	APP	HOUSTON, TX	01086_05142021_KRIV_22	343.6
	K25OB-D	D25	DC	LIC	SAN ANTONIO, TX	BLANK0000145156	85.1
	KRIS-TV	D26	DT	APP	CORPUS CHRISTI, TX	BLANK0000145670	250.1
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	253.4
	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	126.3
	KCOR-CD	D27	DC	LIC	SAN ANTONIO, TX	BLANK0000115083	58.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
34016.3	2,255,456	32411.5	2,242,866	30816.8	2,197,634	30798.5	2,197,571	0.06 0.00

Undesired		Total IX		Unique IX, before		Unique IX, after
KRIV D26 DT BL	103.4	3,669		3.0	40	
KRIV D26 DT APP	289.2	12,937				21.3 103
K25OB-D D25 DC LIC	199.8	5,955	67.8	2,184	67.8	2,184
KRIS-TV D26 DT APP	556.2	22,739	233.4	3,139	217.0	2,733
KXXV D26 DT LIC	1122.4	29,432	741.3	12,244	674.0	10,389
KBVO D27 DT LIC	200.0	390	52.5	95	52.5	95
KCOR-CD D27 DC LIC	11.2	7,368	10.0	7,368	10.0	7,368

Interference to BLCDT20090612AHU LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	

Undesireds:	KRIV	D26	DT	BL	HOUSTON, TX	DTVBL22204	343.6 km
	KRIV	D26	DT	APP	HOUSTON, TX	01086_05142021_KRIV_22	343.6
	K25OB-D	D25	DC	LIC	SAN ANTONIO, TX	BLANK0000145156	85.1
	KRIS-TV	D26	DT	BL	CORPUS CHRISTI, TX	DTVBL25559	250.1
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	253.4
	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	126.3
	KCOR-CD	D27	DC	LIC	SAN ANTONIO, TX	BLANK0000115083	58.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
34016.3 2,255,456	32411.5 2,242,866	30828.4 2,198,127	30808.8 2,198,037	0.06 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KRIV D26 DT BL 103.4	3,669	3.0 40	
KRIV D26 DT APP 289.2	12,937		22.6 130
K25OB-D D25 DC LIC 199.8	5,955	68.8 2,187	68.8 2,187
KRIS-TV D26 DT BL 532.9	21,688	221.8 2,646	206.7 2,267
KXXV D26 DT LIC 1122.4	29,432	750.6 12,799	679.8 10,666
KBVO D27 DT LIC 200.0	390	52.5 95	52.5 95
KCOR-CD D27 DC LIC 11.2	7,368	10.0 7,368	10.0 7,368

Interference to BLCDT20050630AFE LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	
Undesireds:	KRIV	D26	DT	BL	HOUSTON, TX	DTVBL22204	262.1 km
	KRIV	D26	DT	APP	HOUSTON, TX	01086_05142021_KRIV_22	262.1
	KPXD-TV	D25	DT	LIC	ARLINGTON, TX	BLANK0000073172	142.8
	KHPZ-CD	D25	DC	LIC	ROUND ROCK, TX	BLANK0000120824	88.4
	KRIS-TV	D26	DT	APP	CORPUS CHRISTI, TX	BLANK0000145670	398.8
	KTAL-TV	D26	DT	LIC	TEXARKANA, TX	BLANK0000073076	356.4
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	253.4
	KDFI	D27	DT	LIC	DALLAS, TX	BLANK0000074883	142.1
	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	140.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
39029.2 1,772,416	38692.2 1,753,131	37363.1 1,687,227	37243.4 1,680,850	0.32 0.38

Undesired	Total IX	Unique IX, before	Unique IX, after
KRIV D26 DT BL 417.9	27,338	368.3 5,227	
KRIV D26 DT APP 546.1	38,264		488.0 11,604
KPXD-TV D25 DT LIC 431.9	10,184	63.9 2,229	63.9 2,229
KHPZ-CD D25 DC LIC 2.5	1,127	2.5 1,127	2.5 1,127

KRIS-TV D26 DT APP	13.8	15,063	0.2	0	0.2	0
KTAL-TV D26 DT LIC	56.3	443	12.3	0	12.3	0
KPXL-TV D26 DT LIC	230.9	40,568	117.4	14,571	110.7	10,022
KDFI D27 DT LIC	591.3	12,987	222.1	5,032	222.1	5,032
KBVO D27 DT LIC	122.5	3,633	48.8	550	48.5	550

Interference to BLCDT20050630AFE LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	
Undesireds:	KRIV	D26	DT	BL	HOUSTON, TX	DTVBL22204	262.1 km
	KRIV	D26	DT	APP	HOUSTON, TX	01086_05142021_KRIV_22	262.1
	KPXD-TV	D25	DT	LIC	ARLINGTON, TX	BLANK0000073172	142.8
	KHPZ-CD	D25	DC	LIC	ROUND ROCK, TX	BLANK0000120824	88.4
	KRIS-TV	D26	DT	BL	CORPUS CHRISTI, TX	DTVBL25559	398.8
	KTAL-TV	D26	DT	LIC	TEXARKANA, TX	BLANK0000073076	356.4
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	253.4
	KDFI	D27	DT	LIC	DALLAS, TX	BLANK0000074883	142.1
	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	140.4

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
	39029.2	1,772,416	38692.2	1,753,131	37363.1
					1,687,227
					37243.4
					1,680,850
					0.32
					0.38

Undesired	Total IX	Unique IX, before	Unique IX, after
KRIV D26 DT BL	417.9	27,338	368.5
KRIV D26 DT APP	546.1	38,264	488.2
KPXD-TV D25 DT LIC	431.9	10,184	63.9
KHPZ-CD D25 DC LIC	2.5	1,127	2.5
KRIS-TV D26 DT BL	11.5	13,682	0.2
KTAL-TV D26 DT LIC	56.3	443	12.3
KPXL-TV D26 DT LIC	230.9	40,568	118.4
KDFI D27 DT LIC	591.3	12,987	222.1
KBVO D27 DT LIC	122.5	3,633	48.8

Interference to BLANK0000063140 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBTB-TV	D27	DT	LIC	PORT ARTHUR, TX	BLANK0000063140	
Undesireds:	KRIV	D26	DT	BL	HOUSTON, TX	DTVBL22204	159.0 km
	KRIV	D26	DT	APP	HOUSTON, TX	01086_05142021_KRIV_22	159.0
	KTVE	D27	DT	LIC	EL DORADO, AR	BLCDT20070105ABH	365.1

KATC	D28	DT	LIC	LAFAYETTE, LA	BLCDT20071109AAV	163.9
KUGB-CD	D28	DC	CP	HOUSTON, TX	BLANK0000127537	160.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
26679.0	733,729	26672.8	733,688	26545.1	732,500	26578.8	732,756	-0.13 -0.03

Undesired		Total IX		Unique IX, before		Unique IX, after
KRIV D26 DT BL	51.8	894	43.5	750		
KRIV D26 DT APP	17.8	638			9.8	494
KTVE D27 DT LIC	5.0	56	5.0	56	5.0	56
KATC D28 DT LIC	70.9	238	70.9	238	70.9	238
KUGB-CD D28 DC CP	8.3	144	0.0	0	0.3	0

Interference to BLANK0000063140 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KBTB-TV	D27	DT	LIC	PORT ARTHUR, TX	BLANK0000063140	
Undesireds:	KRIV	D26	DT	BL	HOUSTON, TX	DTVBL22204	159.0 km
	KRIV	D26	DT	APP	HOUSTON, TX	01086_05142021_KRIV_22	159.0
	KTVE	D27	DT	LIC	EL DORADO, AR	BLCDT20070105ABH	365.1
	KATC	D28	DT	LIC	LAFAYETTE, LA	BLCDT20071109AAV	163.9
	KUGB-CD	D28	DC	LIC	HOUSTON, TX	BLDTA20120801ALF	160.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
26679.0	733,729	26672.8	733,688	26545.1	732,500	26579.1	732,756	-0.13 -0.03

Undesired		Total IX		Unique IX, before		Unique IX, after
KRIV D26 DT BL	51.8	894	49.5	894		
KRIV D26 DT APP	17.8	638			15.6	638
KTVE D27 DT LIC	5.0	56	5.0	56	5.0	56
KATC D28 DT LIC	70.9	238	70.9	238	70.9	238
KUGB-CD D28 DC LIC	2.3	0	0.0	0	0.0	0

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRIV	D26	DT	APP	HOUSTON, TX	01086_05142021_KRIV_22	
Undesireds:	KYAZ	D25	DT	LIC	KATY, TX	BLANK0000125086	2.1 km
	KBCA	D26	DT	LIC	ALEXANDRIA, LA	BLANK0000078715	312.7
	KRIS-TV	D26	DT	APP	CORPUS CHRISTI, TX	BLANK0000145670	288.5
	KTAL-TV	D26	DT	LIC	TEXARKANA, TX	BLANK0000073076	396.0

KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	343.6
KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	262.1
KBTW-TV	D27	DT	LIC	PORT ARTHUR, TX	BLANK0000063140	159.0

Service area		Terrain-limited		IX-free		Percent IX
43915.7	6,093,042	43825.5	6,092,412	43139.6	6,085,553	1.57 0.11

Undesired		Total IX		Unique IX		Prcnt Unique IX
KYAZ D25 DT LIC	36.8	1,171	36.6	1,171	0.08	0.02
KBCA D26 DT LIC	3.5	0	0.0	0	0.00	0.00
KRIS-TV D26 DT APP	28.4	80	15.3	41	0.03	0.00
KTAL-TV D26 DT LIC	20.2	99	3.5	0	0.01	0.00
KPXL-TV D26 DT LIC	23.6	43	0.3	0	0.00	0.00
KXXV D26 DT LIC	393.2	3,784	348.9	3,645	0.80	0.06
KBTW-TV D27 DT LIC	235.9	1,860	235.9	1,860	0.54	0.03

Interference to proposal scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRIV	D26	DT	APP	HOUSTON, TX	01086_05142021_KRIV_22	
Undesireds:	KYAZ	D25	DT	LIC	KATY, TX	BLANK0000125086	2.1 km
	KBCA	D26	DT	LIC	ALEXANDRIA, LA	BLANK0000078715	312.7
	KRIS-TV	D26	DT	BL	CORPUS CHRISTI, TX	DTVBL25559	288.5
	KTAL-TV	D26	DT	LIC	TEXARKANA, TX	BLANK0000073076	396.0
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	343.6
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	262.1
	KBTW-TV	D27	DT	LIC	PORT ARTHUR, TX	BLANK0000063140	159.0

Service area		Terrain-limited		IX-free		Percent IX
43915.7	6,093,042	43825.5	6,092,412	43140.3	6,085,553	1.56 0.11

Undesired		Total IX		Unique IX		Prcnt Unique IX
KYAZ D25 DT LIC	36.8	1,171	36.6	1,171	0.08	0.02
KBCA D26 DT LIC	3.5	0	0.0	0	0.00	0.00
KRIS-TV D26 DT BL	26.4	80	14.6	41	0.03	0.00
KTAL-TV D26 DT LIC	20.2	99	3.5	0	0.01	0.00
KPXL-TV D26 DT LIC	23.6	43	0.3	0	0.00	0.00
KXXV D26 DT LIC	393.2	3,784	350.4	3,645	0.80	0.06
KBTW-TV D27 DT LIC	235.9	1,860	235.9	1,860	0.54	0.03