

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: 01148_06282021_KRIV_22204, Model: Longley-Rice
Start: 2021.06.28 17:47:56

Study created: 2021.06.28 17:47:56

Study build station data: LMS TV 2021-06-25

Proposal: KRIV D26 DX APP HOUSTON, TX
File number: 01148_06282021_KRIV_22204
Facility ID: 22204
Station data: User record
Record ID: 1306
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	CP	CORPUS CHRISTI, TX	BLANK0000145670	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: 553.0 m
HAAT: 534.0 m
Peak ERP: 1000 kW
Antenna: RFS SBB_24C160A_HRP_545_FCC_FILE 50.0 deg

Elev Pattn: RFS SBB_24C160A_1.0BT_Hpol_VRP_545_TVS_F
Elec Tilt: 1.00

40.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	929 kW	534.3 m	118.3 km
45.0	999	536.4	119.2
90.0	931	535.4	118.4
135.0	825	534.0	117.2
180.0	177	534.8	103.2
225.0	213	533.8	104.8
270.0	111	532.1	98.8
315.0	723	529.0	115.7

ERP exceeds maximum

ERP: 1000 kW ERP maximum: 433 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: 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 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	DX	APP	HOUSTON, TX	01148_06282021_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
37692.1	6,038,257	37640.0	6,038,071	37411.5	6,035,525	37427.6	6,035,927	-0.04 -0.01

Undesired		Total IX		Unique IX, before		Unique IX, after
KRIV D26 DT BL	64.2	1,183	56.2	1,166		
KRIV D26 DX APP	48.1	785	40.1	764		
KETH-TV D24 DT LIC	152.3	1,066	144.3	1,049	144.3	1,045
KPXD-TV D25 DT LIC	20.0	314	20.0	314	20.0	314

Interference to BLANK0000078715 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBCA	D26	DT	LIC	ALEXANDRIA, LA	BLANK0000078715	
Undesireds:	KRIV	D26	DT	BL	HOUSTON, TX	DTVBL22204	312.7 km
	KRIV	D26	DX	APP	HOUSTON, TX	01148_06282021_KRIV_22	312.7
	WLPB-TV	D25	DT	CP	BATON ROUGE, LA	BLANK0000035855	148.1
	KTAL-TV	D26	DT	LIC	TEXARKANA, TX	BLANK0000073076	257.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
24260.9	479,260	24225.2	479,219	23730.6	475,882	23730.6	475,882	0.00 0.00

Undesired		Total IX		Unique IX, before		Unique IX, after
KRIV D26 DT BL	51.8	258	4.0	0		
KRIV D26 DX APP	55.7	258	4.0	0		
KTAL-TV D26 DT LIC	490.6	3,337	442.8	3,079	438.8	3,079

Interference to BLANK0000145670 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRIS-TV	D26	DT	CP	CORPUS CHRISTI, TX	BLANK0000145670	
Undesireds:	KRIV	D26	DT	BL	HOUSTON, TX	DTVBL22204	288.5 km
	KRIV	D26	DX	APP	HOUSTON, TX	01148_06282021_KRIV_22	288.5
	KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	250.1
	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
30490.9	565,112	30426.3	565,044	29861.8	562,857	29861.8	562,857	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
KRIV D26 DT BL	0.0	0	0.0	0
KRIV D26 DX APP	4.0	0		0.0 0
KPXL-TV D26 DT LIC	528.7	2,187	528.7 2,187	524.6 2,187
XHRIO D26 DT LIC	35.8	0	35.8	0

Interference to BLANK0000073076 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KTAL-TV	D26	DT	LIC	TEXARKANA, TX	BLANK0000073076	
Undesireds:	KRIV	D26	DT	BL	HOUSTON, TX	DTVBL22204	396.0 km
	KRIV	D26	DX	APP	HOUSTON, TX	01148_06282021_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
41255.3 1,094,332	41122.7 1,092,958	39686.2 1,085,702	39686.2 1,085,702	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
KRIV D26 DT BL	12.1	297	0.0	0
KRIV D26 DX APP	12.1	297		0.0 0
KBCA D26 DT LIC	552.4	3,558	419.9 1,421	419.9 1,421
KOTV-DT D26 DT LIC	4.0	11	4.0 11	4.0 11
KXXV D26 DT LIC	48.3	1,516	40.2 1,228	40.2 1,228
KTVE D27 DT LIC	960.2	4,299	839.8 2,459	839.8 2,459

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	DX	APP	HOUSTON, TX	01148_06282021_KRIV_22	343.6
	K25OB-D	D25	DC	LIC	SAN ANTONIO, TX	BLANK0000145156	85.1
	KRIS-TV	D26	DT	CP	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
33991.4 2,257,007	32404.9 2,243,520	30744.0 2,214,228	30740.0 2,214,228	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KRIV D26 DT BL	116.6 2,901	4.0 436	
KRIV D26 DX APP	140.7 3,153		8.0 436
K25OB-D D25 DC LIC	216.1 5,650	84.1 2,098	84.1 2,098
KRIS-TV D26 DT CP	589.8 19,003	228.8 2,910	224.8 2,910
KXXV D26 DT LIC	1191.8 20,259	758.5 6,677	754.5 6,677
KBVO D27 DT LIC	196.4 428	36.1 117	36.1 117
KCOR-CD D27 DC LIC	4.0 62	4.0 62	4.0 62

Interference to BLCDT20050630AFE LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	

Undesireds:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRIV	D26	DT	BL	HOUSTON, TX	DTVBL22204	262.1 km
	KRIV	D26	DX	APP	HOUSTON, TX	01148_06282021_KRIV_22	262.1
	KPXD-TV	D25	DT	LIC	ARLINGTON, TX	BLANK0000073172	142.8
	KRIS-TV	D26	DT	CP	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
38991.9 1,771,620	38695.5 1,748,287	37362.6 1,673,836	37242.9 1,665,768	0.32 0.48

Undesired	Total IX	Unique IX, before	Unique IX, after
KRIV D26 DT BL	395.7 44,268	347.5 5,491	
KRIV D26 DX APP	515.4 52,336		467.2 13,559
KPXD-TV D25 DT LIC	439.7 10,425	88.7 2,447	88.7 2,447
KRIS-TV D26 DT CP	4.0 0	0.0 0	0.0 0
KTAL-TV D26 DT LIC	44.5 148	16.2 42	16.2 42
KPXL-TV D26 DT LIC	235.5 46,925	131.6 5,556	131.6 5,556
KDFI D27 DT LIC	585.0 19,445	234.1 11,467	234.1 11,467
KBVO D27 DT LIC	119.7 2,764	51.9 78	51.9 78

Interference to BLANK0000063140 LIC scenario 1

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	DX	APP	HOUSTON, TX	01148_06282021_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
26681.2 734,008	26681.2 734,008	26569.1 731,971	26537.1 731,971	0.12 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KRIV D26 DT BL 48.0	1,872	44.0 1,854	
KRIV D26 DX APP 79.9	1,872		75.9 1,854
KTVE D27 DT LIC 12.0	56	12.0 56	12.0 56
KATC D28 DT LIC 52.2	109	52.2 109	52.2 109
KUGB-CD D28 DC CP 4.0	18	0.0 0	0.0 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	DX	APP	HOUSTON, TX	01148_06282021_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
26681.2 734,008	26681.2 734,008	26569.1 731,971	26537.1 731,971	0.12 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KRIV D26 DT BL 48.0	1,872	44.0 1,854	
KRIV D26 DX APP 79.9	1,872		75.9 1,854
KTVE D27 DT LIC 12.0	56	12.0 56	12.0 56
KATC D28 DT LIC 52.2	109	52.2 109	52.2 109
KUGB-CD D28 DC LIC 4.0	18	0.0 0	0.0 0

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KRIV	D26	DX	APP	HOUSTON, TX	01148_06282021_KRIV_22	

Undesireds:	KYAZ	D25	DT	LIC	KATY, TX	BLANK0000125086	2.1 km
	KRIS-TV	D26	DT	CP	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
	KBTV-TV	D27	DT	LIC	PORT ARTHUR, TX	BLANK0000063140	159.0

Service area		Terrain-limited		IX-free		Percent IX	
39637.8	6,073,584	39565.7	6,073,437	38863.0	6,062,139	1.78	0.19

Undesired				Total IX		Unique IX	Prcnt Unique IX
KYAZ D25 DT LIC	60.3		2,255	60.3	2,255	0.15	0.04
KRIS-TV D26 DT CP	16.1		258	4.0	37	0.01	0.00
KTAL-TV D26 DT LIC	12.0		139	4.0	105	0.01	0.00
KPXL-TV D26 DT LIC	4.0		164	0.0	0	0.00	0.00
KXXV D26 DT LIC	316.5		6,014	296.5	5,759	0.75	0.09
KBTV-TV D27 DT LIC	317.9		2,887	317.9	2,887	0.80	0.05