

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: BBay29d15kwT, Model: Longley-Rice

Start: 2022.08.16 07:44:30

Study created: 2022.08.16 07:44:30

Study build station data: LMS TV 2022-08-16

Proposal: K22JW-D D29 LD APP Bay City, TX

Facility ID: 181610

Station data: User record

Record ID: 878

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K28QN-D	D28	LD	CP	COLLEGE STATION, TX	BLANK0000116857	207.4 km
No	KUGB-CD	D28	DC	CP	HOUSTON, TX	BLANK0000127537	104.4
No	KUGB-CD	D28	DC	LIC	HOUSTON, TX	BLDTA20120801ALF	104.4
No	WOAI-TV	D28	DT	LIC	SAN ANTONIO, TX	BLANK0000191508	214.4
No	K29NX-D	D29	LD	LIC	ALEXANDRIA, LA	BLANK0000177525	410.6
No	KITU-TV	D29	DT	LIC	BEAUMONT, TX	BLANK0000063643	263.7
Yes	KYLE-TV	D29	DT	LIC	BRYAN, TX	BLANK0000116951	211.8
No	KDTN	D29	DT	LIC	DENTON, TX	BLANK0000168781	428.8
No	KHPX-CD	D29	DC	LIC	GEORGETOWN, TX	BLANK0000120825	249.0
No	KEHO-LD	D29	LD	LIC	HOUSTON, TX	BLANK0000193288	140.9
No	KHTX-LD	D29	LD	CP	HUNTSVILLE, TX	BLANK0000195652	220.6
No	KCTL-LD	D29	LD	CP	LIVINGSTON, TX	BLANK0000197266	196.9
No	KFXL-LD	D29	LD	LIC	LUFKIN, TX	BLDTL20121127ADL	313.7
No	KPTD-LP	D29	LD	LIC	PARIS, TX	BLANK0000152446	428.8
Yes	KENS	D29	DT	LIC	SAN ANTONIO, TX	BLANK0000074877	214.4
No	K30QR-D	D30	LD	CP	BRYAN, TX	BNPDTL20090825BQB	207.4
No	KQSY-LD	D30	LD	LIC	CORPUS CHRISTI, TX	BLANK0000119697	172.9
Yes	KXLN-DT	D30	DT	LIC	ROSENBERG, TX	BLANK0000166964	103.7

No	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLANK0000191507	215.4
No	DKVHM-LP	D30	LD	APP	VICTORIA, TX	BLANK0000001270	89.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D29  
Mask: Stringent  
Latitude: 28 48 1.00 N (NAD83)  
Longitude: 96 7 32.90 W  
Height AMSL: 104.0 m  
HAAT: 0.0 m  
Peak ERP: 15.0 kW  
Antenna: Omnidirectional  
Elev Pattnr: Generic

50.2 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	93.6 m	42.8 km
45.0	15.0	93.6	42.8
90.0	15.0	96.8	43.2
135.0	15.0	96.2	43.2
180.0	15.0	99.8	43.6
225.0	15.0	101.2	43.8
270.0	15.0	95.8	43.1
315.0	15.0	93.5	42.8

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 96 m

Distance to Canadian border: 1868.9 km

Distance to Mexican border: 323.7 km

Conditions at FCC monitoring station: Kingsville TX

Bearing: 229.2 degrees    Distance: 229.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 329.0 degrees    Distance: 1507.3 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 BLANK0000116951 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KYLE-TV	D29	DT	LIC	BRYAN, TX	BLANK0000116951	
Undesireds:	K22JW-D	D29	LD	APP	Bay City, TX		211.8 km
	KUGB-CD	D28	DC	CP	HOUSTON, TX	BLANK0000127537	152.1
	KWKT-TV	D28	DT	LIC	WACO, TX	BLANK0000117686	110.6
	KITU-TV	D29	DT	LIC	BEAUMONT, TX	BLANK0000063643	247.9
	KDTN	D29	DT	LIC	DENTON, TX	BLANK0000168781	217.6
	KHPX-CD	D29	DC	LIC	GEORGETOWN, TX	BLANK0000120825	118.4
	KENS	D29	DT	LIC	SAN ANTONIO, TX	BLANK0000074877	237.1
	KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY	133.2
	KXLN-DT	D30	DT	LIC	ROSENBERG, TX	BLANK0000166964	152.9

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	13200.6	323,489	13188.5	323,379	12885.1	321,295	12885.1	321,295	0.00    0.00

Undesired				Total IX	Unique IX, before	Unique IX, after
K22JW-D	D29	LD	APP	2.0    33		0.0    0
KUGB-CD	D28	DC	CP	2.0    0	0.0    0	0.0    0
KWKT-TV	D28	DT	LIC	20.2    175	5.1    0	5.1    0

KITU-TV D29 DT LIC	55.1	178	33.0	84	33.0	84
KDTN D29 DT LIC	62.4	318	10.2	29	10.2	29
KHPX-CD D29 DC LIC	12.0	175	0.0	0	0.0	0
KENS D29 DT LIC	238.1	1,735	178.8	1,393	177.8	1,360
KXLN-DT D30 DT LIC	19.0	274	12.0	201	12.0	201

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Interference to BLANK0000116951 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KYLE-TV	D29	DT	LIC	BRYAN, TX	BLANK0000116951	
Undesireds:	K22JW-D	D29	LD	APP	Bay City, TX		211.8 km
	KWKT-TV	D28	DT	LIC	WACO, TX	BLANK0000117686	110.6
	KITU-TV	D29	DT	LIC	BEAUMONT, TX	BLANK0000063643	247.9
	KDTN	D29	DT	LIC	DENTON, TX	BLANK0000168781	217.6
	KHPX-CD	D29	DC	LIC	GEORGETOWN, TX	BLANK0000120825	118.4
	KENS	D29	DT	LIC	SAN ANTONIO, TX	BLANK0000074877	237.1
	KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY	133.2
	KXLN-DT	D30	DT	LIC	ROSENBERG, TX	BLANK0000166964	152.9
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	13200.6	323,489	13188.5	323,379	12885.1	321,295	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K22JW-D D29 LD APP	2.0	33	0.0 0
KWKT-TV D28 DT LIC	20.2	175	5.1 0
KITU-TV D29 DT LIC	55.1	178	33.0 84
KDTN D29 DT LIC	62.4	318	10.2 29
KHPX-CD D29 DC LIC	12.0	175	0.0 0
KENS D29 DT LIC	238.1	1,735	179.8 1,393
KXLN-DT D30 DT LIC	19.0	274	12.0 201

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Interference to BLANK0000074877 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KENS	D29	DT	LIC	SAN ANTONIO, TX	BLANK0000074877	

Undesireds:	K22JW-D	D29	LD	APP	Bay City, TX		214.4 km
	KYVV-TV	D28	DT	APP	DEL RIO, TX	BMPCDT20080618ACC	163.9
	KRBC-TV	D29	DT	LIC	ABILENE, TX	BLCDT20070831AAK	357.7
	KYLE-TV	D29	DT	LIC	BRYAN, TX	BLANK00000116951	237.1
	KDTN	D29	DT	LIC	DENTON, TX	BLANK00000168781	389.1
	KHPX-CD	D29	DC	LIC	GEORGETOWN, TX	BLANK00000120825	159.1
	K09YZ-D	D30	DC	BL	BEEVILLE-REFUGIO, TX	DTVBL51373	127.3
	KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY	207.4
	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLANK00000191507	2.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
39182.3 2,540,613	38373.3 2,527,174	37811.5 2,516,241	37798.4 2,516,241	0.03 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K22JW-D D29 LD APP	15.2 0	13.2 0	
KYVV-TV D28 DT APP	337.7 236	334.7 236	
KRBC-TV D29 DT LIC	24.1 193	16.1 112	
KYLE-TV D29 DT LIC	26.1 1,665	11.0 894	
KDTN D29 DT LIC	11.0 626	1.0 0	
KHPX-CD D29 DC LIC	64.2 6,594	51.1 5,768	
K09YZ-D D30 DC BL	3.0 0	2.0 0	
KABB D30 DT LIC	127.9 3,097	125.8 3,097	

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Interference to BLANK0000074877 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KENS	D29	DT	LIC	SAN ANTONIO, TX	BLANK0000074877	
Undesireds:	K22JW-D	D29	LD	APP	Bay City, TX		214.4 km
	KRBC-TV	D29	DT	LIC	ABILENE, TX	BLCDT20070831AAK	357.7
	KYLE-TV	D29	DT	LIC	BRYAN, TX	BLANK00000116951	237.1
	KDTN	D29	DT	LIC	DENTON, TX	BLANK00000168781	389.1
	KHPX-CD	D29	DC	LIC	GEORGETOWN, TX	BLANK00000120825	159.1
	K09YZ-D	D30	DC	BL	BEEVILLE-REFUGIO, TX	DTVBL51373	127.3
	KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY	207.4
	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLANK00000191507	2.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
39182.3	2,540,613	38373.3	2,527,174	38146.2	2,516,477	38133.0	2,516,477	0.03 0.00

Undesired		Total IX		Unique IX, before		Unique IX, after
K22JW-D D29 LD APP	15.2	0		13.2	0	
KRBC-TV D29 DT LIC	24.1	193		17.1	112	
KYLE-TV D29 DT LIC	26.1	1,665		12.0	894	
KDTN D29 DT LIC	11.0	626		1.0	0	
KHPX-CD D29 DC LIC	64.2	6,594		51.1	5,768	
K09YZ-D D30 DC BL	3.0	0		3.0	0	
KABB D30 DT LIC	127.9	3,097		127.9	3,097	

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Interference to BLANK0000166964 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KXLN-DT	D30	DT	LIC	ROSENBERG, TX	BLANK0000166964	
Undesireds:	K22JW-D	D29	LD	APP	Bay City, TX		103.7 km
	KITU-TV	D29	DT	LIC	BEAUMONT, TX	BLANK0000063643	168.9
	KYLE-TV	D29	DT	LIC	BRYAN, TX	BLANK0000116951	152.9
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDT20060317AGE	363.9
	KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY	272.9
	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLANK0000191507	268.9
	KUBE-TV	D31	DT	LIC	BAYTOWN, TX	BLANK0000072353	1.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
40357.3	6,085,914	40272.4	6,085,819	40023.8	6,082,541	39828.9	6,081,783	0.49 0.01

Undesired		Total IX		Unique IX, before		Unique IX, after
K22JW-D D29 LD APP	194.9	758		194.9	758	
KITU-TV D29 DT LIC	60.2	924		60.2	924	
KYLE-TV D29 DT LIC	82.0	689		26.0	179	
KMPX D30 DT LIC	11.0	176		4.0	34	
KPLE-CD D30 DC LIC	7.0	140		0.0	0	
KABB D30 DT LIC	107.2	719		52.2	211	
KUBE-TV D31 DT LIC	49.2	1,420		49.2	1,420	

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Interference to BLANK0000166964 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KXLN-DT	D30	DT	LIC	ROSENBERG, TX	BLANK0000166964	
Undesireds:	K22JW-D	D29	LD	APP	Bay City, TX		103.7 km
	KITU-TV	D29	DT	LIC	BEAUMONT, TX	BLANK0000063643	168.9
	KYLE-TV	D29	DT	LIC	BRYAN, TX	BLANK0000116951	152.9
	KMPX	D30	DT	LIC	DECATUR, TX	BLCDT20060317AGE	363.9
	KPLE-CD	D30	DC	CP	KILLEEN, TX	BPDTA20130211ACF	272.9
	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLANK0000191507	268.9
	KUBE-TV	D31	DT	LIC	BAYTOWN, TX	BLANK0000072353	1.0
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	40357.3	6,085,914	40272.4	6,085,819	40023.8	6,082,541	39828.9 6,081,783 0.49 0.01
Undesired					Total IX	Unique IX, before	Unique IX, after
K22JW-D D29 LD APP		194.9			758		194.9 758
KITU-TV D29 DT LIC		60.2			924	60.2 924	60.2 924
KYLE-TV D29 DT LIC		82.0			689	26.0 179	26.0 179
KMPX D30 DT LIC		11.0			176	4.0 34	4.0 34
KPLE-CD D30 DC CP		12.0			142	0.0 0	0.0 0
KABB D30 DT LIC		107.2			719	52.2 211	52.2 211
KUBE-TV D31 DT LIC		49.2			1,420	49.2 1,420	49.2 1,420

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K22JW-D	D29	LD	APP	Bay City, TX		
Undesireds:	KUGB-CD	D28	DC	CP	HOUSTON, TX	BLANK0000127537	104.4 km
	Service area		Terrain-limited		IX-free	Percent IX	
	5846.8	40,269	5846.8	40,269	5846.8	40,269	0.00 0.00