tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: PortArthur26d15kwincfD1, Model: Longley-Rice
Start: 2022.09.06 14:32:24

Study created: 2022.09.06 14:32:24

Study build station data: LMS TV 2022-09-07

    Proposal: KULC-LD D26 LD LIC PORT ARTHUR, TX
 Facility ID: 182050
Station data: User record
   Record ID: 2379
     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	DK22GT	N22z	TX	APP	LAKE CHARLES, LA	BLTTL20060103ABZ	46.1 km
No	K25PZ-D	D25	LD	LIC	ALEXANDRIA, LA	BLANK0000149500	181.3
No	WLPB-TV	D25	DT	CP	BATON ROUGE, LA	BLANK0000035855	266.0
No	WLPB-TV	D25	DT	LIC	BATON ROUGE, LA	BLEDT20101201ALR	266.0
Yes	KOPS-LD	D25	LD	LIC	BEAUMONT, TX	BLANK0000159557	25.0
No	KYAZ	D25	DT	LIC	KATY, TX	BLANK0000125086	158.8
No	KCTL-LD	D25	LD	LIC	LIVINGSTON, TX	BLDTL20140508ABU	125.0
Yes	KBCA	D26	DT	LIC	ALEXANDRIA, LA	BLANK0000078715	162.4
No	WRUG-LD	D26	LD	LIC	Baton rouge, LA	BLANK0000162879	290.5
No	WGNO	D26	DT	LIC	NEW ORLEANS, LA	BLCDT20121019AAK	382.9
No	KRIS-TV	D26	DT	LIC	CORPUS CHRISTI, TX	BLANK0000190646	434.2
No	KLHP-LD	D26	LD	LIC	DALLAS, TX	BLANK0000155145	424.3
Yes	KRIV	D26	DT	LIC	HOUSTON, TX	BLANK0000166191	157.0
Yes	KRIV	D26	DT	CP	HOUSTON, TX	BLANK0000192984	157.0
No	KTAL-TV	D26	DT	LIC	TEXARKANA, TX	BLANK0000192877	325.3
No	KXTS-LD	D26	LD	LIC	VICTORIA, TX	BLANK0000114183	333.6
No	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	356.5
No	KNXG-LD	D27	LD	LIC	COLLEGE STATION, TX	BLANK0000186734	211.3
No	KBPX-LD	D27	LD	LIC	HOUSTON, TX	BLANK0000072640	139.9
No	KQHO-LD	D27	LD	LIC	HOUSTON, TX	BLANK0000072691	139.9
No	KLUF-LD	D27-	LD	APP	LUFKIN, TX	BLANK0000010680	167.6

No	KLUF-LD	D27-	LD	LIC	LUFKIN, TX	BLANK0000151859	167.7
No	KLUF-LD	D27-	LD	CP	LUFKIN, TX	BLANK0000153447	167.6
No	KBTV-TV	D27	DT	LIC	PORT ARTHUR, TX	BLANK0000063140	20.5

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
       Mask: Full Service
   Latitude:  29 58 36.00 N (NAD83)
  Longitude:  93 56  3.00 W
Height AMSL: 53.0 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic
```

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	49.8 m	35.9 km
45.0	15.0	50.8	36.2
90.0	15.0	52.2	36.5
135.0	15.0	52.2	36.5
180.0	15.0	51.2	36.3
225.0	15.0	51.4	36.3
270.0	15.0	48.9	35.7
315.0	15.0	51.2	36.3

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 51 m

Distance to Canadian border: 1640.8 km

Distance to Mexican border: 532.8 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 234.8 degrees Distance: 477.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 320.8 degrees Distance: 1522.6 km

Study cell size: 1.00 km
Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Interference to BLANK0000159557 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KOPS-LD	D25	LD	LIC	BEAUMONT, TX	BLANK0000159557	
Undesireds:	KULC-LD	D26	LD	LIC	PORT ARTHUR, TX		25.0 km
	WLPB-TV	D25	DT	CP	BATON ROUGE, LA	BLANK0000035855	281.1
	KYAZ	D25	DT	LIC	KATY, TX	BLANK0000125086	148.3
	KCTL-LD	D25	LD	LIC	LIVINGSTON, TX	BLDTL20140508ABU	100.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
6277.0	402,714	6277.0	402,714	5402.3	394,658	5399.2	393,909	0.06
0.19								

Undesired	Total IX		Unique IX, before		Unique IX, after	
KULC-LD D26 LD LIC	3.0	749			3.0	749
KYAZ D25 DT LIC	708.8	6,977	609.6	6,185	609.6	6,185
KCTL-LD D25 LD LIC	265.1	1,871	165.9	1,079	165.9	1,079

Interference to BLANK0000078715 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBCA	D26	DT	LIC	ALEXANDRIA, LA	BLANK0000078715	

Undesireds:	KULC-LD	D26	LD	LIC	PORT ARTHUR, TX		162.4 km
	WLPB-TV	D25	DT	CP	BATON ROUGE, LA	BLANK0000035855	148.1
	KRIV	D26	DT	LIC	HOUSTON, TX	BLANK0000166191	312.7
	KTAL-TV	D26	DT	LIC	TEXARKANA, TX	BLANK0000192877	257.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
24245.6	478,850	24141.0	478,462	23679.6	476,225	23679.6	476,225	0.00
0.00								

Undesired	Total IX		Unique IX, before		Unique IX, after	
KULC-LD D26 LD LIC	14.3	51			0.0	0
KRIV D26 DT LIC	56.1	426	8.2	17	7.1	17
KTAL-TV D26 DT LIC	453.2	2,220	405.3	1,811	404.3	1,811

Interference to BLANK0000078715 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KBCA	D26	DT	LIC	ALEXANDRIA, LA	BLANK0000078715	

Undesireds:	KULC-LD	D26	LD	LIC	PORT ARTHUR, TX		162.4 km
	WLPB-TV	D25	DT	CP	BATON ROUGE, LA	BLANK0000035855	148.1
	KRIV	D26	DT	CP	HOUSTON, TX	BLANK0000192984	312.7
	KTAL-TV	D26	DT	LIC	TEXARKANA, TX	BLANK0000192877	257.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
24245.6	478,850	24141.0	478,462	23680.6	476,225	23680.6	476,225	0.00
0.00								

Undesired	Total IX		Unique IX, before		Unique IX, after	
KULC-LD D26 LD LIC	14.3	51			0.0	0
KRIV D26 DT CP	43.8	399	7.1	17	6.1	17
KTAL-TV D26 DT LIC	453.2	2,220	416.5	1,838	415.5	1,838

Interference to BLANK0000166191 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRIV	D26	DT	LIC	HOUSTON, TX	BLANK0000166191	
Undesireds:	KULC-LD	D26	LD	LIC	PORT ARTHUR, TX		157.0 km
	KYAZ	D25	DT	LIC	KATY, TX	BLANK0000125086	2.1
	KBCA	D26	DT	LIC	ALEXANDRIA, LA	BLANK0000078715	312.7
	KRIS-TV	D26	DT	LIC	CORPUS CHRISTI, TX	BLANK0000190646	288.5
	KTAL-TV	D26	DT	LIC	TEXARKANA, TX	BLANK0000192877	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, before		IX-free, after		Percent New IX
40166.1	6,079,002	40081.2	6,078,683	39535.0	6,069,959	39332.8	6,068,176	0.51
0.03								

Undesired	Total IX		Unique IX, before		Unique IX, after	
KULC-LD D26 LD LIC	502.4	5,090			202.2	1,783
KYAZ D25 DT LIC	5.0	1,232	5.0	1,232	5.0	1,232
KBCA D26 DT LIC	3.0	242	0.0	0	0.0	0
KRIS-TV D26 DT LIC	17.1	92	3.0	10	3.0	10
KTAL-TV D26 DT LIC	9.0	365	2.0	110	1.0	110
KPXL-TV D26 DT LIC	15.0	57	1.0	0	1.0	0
KXXV D26 DT LIC	221.0	4,183	196.9	3,844	196.9	3,844
KBTV-TV D27 DT LIC	311.2	3,189	311.2	3,189	15.0	137

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Interference to BLANK0000192984 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRIV	D26	DT	CP	HOUSTON, TX	BLANK0000192984	
Undesireds:	KULC-LD	D26	LD	LIC	PORT ARTHUR, TX		157.0 km
	KYAZ	D25	DT	LIC	KATY, TX	BLANK0000125086	2.1
	KBCA	D26	DT	LIC	ALEXANDRIA, LA	BLANK0000078715	312.7
	KRIS-TV	D26	DT	LIC	CORPUS CHRISTI, TX	BLANK0000190646	288.5
	KTAL-TV	D26	DT	LIC	TEXARKANA, TX	BLANK0000192877	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, before		IX-free, after		Percent New IX
43107.4	6,088,788	42994.5	6,088,005	42453.6	6,080,991	42252.4	6,077,283	0.47
0.06								

Undesired	Total IX	Unique IX, before		Unique IX, after	
KULC-LD D26 LD LIC	413.0	5,614		201.2	3,708
KYAZ D25 DT LIC	8.0	969	8.0	969	8.0	969
KBCA D26 DT LIC	2.0	0	0.0	0	0.0	0
KRIS-TV D26 DT LIC	28.1	13	16.1	0	16.1	0
KTAL-TV D26 DT LIC	13.0	229	3.0	110	3.0	110
KPXL-TV D26 DT LIC	23.0	48	2.0	0	2.0	0
KXXV D26 DT LIC	292.0	4,068	255.9	3,900	253.9	3,900
KBTV-TV D27 DT LIC	218.8	1,867	218.8	1,867	12.0	71

Interference to proposal scenario 1
9.38% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KULC-LD	D26	LD	LIC	PORT ARTHUR, TX		
Undesireds:	KOPS-LD	D25	LD	LIC	BEAUMONT, TX	BLANK0000159557	25.0 km
	KRIV	D26	DT	LIC	HOUSTON, TX	BLANK0000166191	157.0
	KBTV-TV	D27	DT	LIC	PORT ARTHUR, TX	BLANK0000063140	20.5

Service area		Terrain-limited		IX-free		Percent IX	
4126.1	331,712	4126.1	331,712	2392.7	300,600	42.01	9.38

Undesired	Total IX	Unique IX		Prcnt Unique IX	
KOPS-LD D25 LD LIC	87.2	9,248	6.0	1,169	0.15	0.35
KRIV D26 DT LIC	236.1	3,525	0.0	0	0.00	0.00
KBTV-TV D27 DT LIC	1727.3	29,943	1419.0	19,177	34.39	5.78

Interference to proposal scenario 2

9.38% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KULC-LD	D26	LD	LIC	PORT ARTHUR, TX		
Undesireds:	KOPS-LD	D25	LD	LIC	BEAUMONT, TX	BLANK0000159557	25.0 km
	KRIV	D26	DT	CP	HOUSTON, TX	BLANK0000192984	157.0
	KBTV-TV	D27	DT	LIC	PORT ARTHUR, TX	BLANK0000063140	20.5

Service area		Terrain-limited		IX-free		Percent IX	
4126.1	331,712	4126.1	331,712	2392.7	300,600	42.01	9.38

Undesired		Total IX		Unique IX		Prcnt Unique IX	
KOPS-LD D25 LD LIC	87.2	9,248	6.0	1,169	0.15	0.35	
KRIV D26 DT CP	148.7	1,755	0.0	0	0.00	0.00	
KBTV-TV D27 DT LIC	1727.3	29,943	1498.4	20,243	36.32	6.10	