

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

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: KULC_Ch26_Hgt_Omni_Less_Pre, Model: Longley-Rice
Start: 2019.05.03 15:11:47

Study created: 2019.05.03 15:11:47

Study build station data: LMS TV 2019-05-02

Proposal: KULC-LD D26 LD APP Beaumont, TX
File number: KULC_Ch26_Hgt_Omni
Facility ID: 182050
Station data: User record
Record ID: 939
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel
Protect baseline records from LPTV

Search options:
Baseline record excluded if station has CP
All records for new LPTV stations excluded

Individual records excluded:
20090910AAA KAOB-LD D27 LD LIC BEAUMONT, TX BLDLTL20090910AAA

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K22GT	N22z	TX	LIC	LAKE CHARLES, LA	BLTTL20060103ABZ	53.1 km
No	K33MP-D	D25	LD	CP	ALEXANDRIA, LA	BLANK0000054048	179.3
No	WLPB-TV	D25	DT	APP	BATON ROUGE, LA	BLANK0000035855	272.7
No	WLPB-TV	D25	DT	LIC	BATON ROUGE, LA	BLEDT20101201ALR	272.7
No	W48DZ-D	D25	LD	APP	LAKE CHARLES, LA	BLANK0000071877	76.5
No	KOPS-LD	D25	LD	CP	BEAUMONT, TX	BLANK0000054093	9.1
No	KYAZ	D25	DT	LIC	KATY, TX	BLANK0000072098	155.3
No	KCTL-LD	D25	LD	LIC	LIVINGSTON, TX	BLDLTL20140508ABU	108.6
No	KZTE-LD	D26	LD	LIC	FULTON, AR	BLDLTL20121226ADR	368.0
Yes	KBCA	D26	DT	CP	ALEXANDRIA, LA	BLANK0000033835	160.9
No	WGNO	D26	DT	LIC	NEW ORLEANS, LA	BLCDT20121019AAK	392.1
Yes	KRIV	D26	DT	APP	HOUSTON, TX	BLANK0000035805	153.3
Yes	KRIV	D26	DT	LIC	HOUSTON, TX	BLCDT20111212AHM	153.3
No	KAKH-LD	D26	LD	CP	LUFKIN, TX	BLANK0000051617	151.9
Yes	KTAL-TV	D26	DT	CP	TEXARKANA, TX	BLANK0000068332	310.5
No	KXTS-LD	D26	LD	CP	VICTORIA, TX	BLANK0000052678	331.0
No	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	342.0
No	KNYS-LD	D27	LD	LIC	NATCHITOCHE, LA	BLDLTL20120203AAD	200.2
No	W27DJ-D	D27	LD	CP	SULPHUR, LA	BNPDLTL20100407ABL	56.0
No	K49LC-D	D27	LD	CP	COLLEGE STATION, TX	BLANK0000054049	198.4
No	K27JJ-D	D27	LD	LIC	FORBES/JASPER CTY, TX	BLDLTL20110610AAD	61.3
No	KBPX-LD	D27	LD	CP	HOUSTON, TX	BLANK0000053878	134.4
No	KQHO-LD	D27	LD	CP	HOUSTON, TX	BLANK0000068024	134.4
No	KLUF-LP	D27-	LD	CP	LUFKIN, TX	BLANK0000010680	150.4
No	KBTB-TV	D27	DT	LIC	PORT ARTHUR, TX	BLANK0000063140	6.5

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: 30 6 35.60 N (NAD83)
Longitude: 94 1 42.30 W
Height AMSL: 154.5 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional

Elev Pattn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	148.0 m	47.8 km
45.0	15.0	147.4	47.8
90.0	15.0	149.9	47.9
135.0	15.0	152.2	48.1
180.0	15.0	151.4	48.0
225.0	15.0	149.9	47.9
270.0	15.0	148.1	47.8
315.0	15.0	152.3	48.1

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 150 m

Distance to Canadian border: 1633.5 km

Distance to Mexican border: 540.2 km

Conditions at FCC monitoring station: Kingsville TX

Bearing: 232.6 degrees Distance: 478.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 320.6 degrees Distance: 1505.4 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 BLANK0000033835 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KBCA	D26	DT	CP	ALEXANDRIA, LA	BLANK0000033835	
Undesireds:	KULC-LD	D26	LD	APP	Beaumont, TX	KULC_Ch26_Hgt_Omni	160.9 km
	WLPB-TV	D25	DT	APP	BATON ROUGE, LA	BLANK0000035855	148.1
	KRIV	D26	DT	APP	HOUSTON, TX	BLANK0000035805	312.7
	KTAL-TV	D26	DT	CP	TEXARKANA, TX	BLANK0000068332	257.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
24245.6	478,850	24141.0		478,462	23674.5	476,211	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KULC-LD	D26 LD APP	35.7		164		1.0 0	
KRIV	D26 DT APP	67.3		451	13.3 31	8.2 31	
KTAL-TV	D26 DT CP	453.2		2,220	399.2 1,800	397.2 1,800	

Interference to BLANK0000033835 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KBCA	D26	DT	CP	ALEXANDRIA, LA	BLANK0000033835	
Undesireds:	KULC-LD	D26	LD	APP	Beaumont, TX	KULC_Ch26_Hgt_Omni	160.9 km
	WLPB-TV	D25	DT	APP	BATON ROUGE, LA	BLANK0000035855	148.1
	KRIV	D26	DT	LIC	HOUSTON, TX	BLCDT20111212AHM	312.7
	KTAL-TV	D26	DT	CP	TEXARKANA, TX	BLANK0000068332	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	0.01 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KULC-LD	D26 LD APP	35.7		164		2.0 0	
KRIV	D26 DT LIC	56.1		426	8.2 17	4.1 17	
KTAL-TV	D26 DT CP	453.2		2,220	405.3 1,811	402.3 1,811	

Interference to BLANK0000035805 APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRIV	D26	DT	APP	HOUSTON, TX	BLANK0000035805	
Undesireds:	KULC-LD	D26	LD	APP	Beaumont, TX	KULC_Ch26_Hgt_Omni	153.3 km
	KYAZ	D25	DT	LIC	KATY, TX	BLANK0000072098	2.1
	KBCA	D26	DT	CP	ALEXANDRIA, LA	BLANK0000033835	312.7
	KTAL-TV	D26	DT	CP	TEXARKANA, TX	BLANK0000068332	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, before		IX-free, after	Percent New IX
	41644.7	6,091,985	41531.8	6,091,428	40862.4	6,082,629	39781.8 6,073,477 2.64 0.15

Undesired	Total IX		Unique IX, before		Unique IX, after	
KULC-LD D26 LD APP	1499.1	14,637			1080.6	9,152
KYAZ D25 DT LIC	4.0	963	4.0	963	4.0	963
KBCA D26 DT CP	3.0	41	0.0	0	0.0	0
KTAL-TV D26 DT CP	12.0	413	4.0	110	2.0	110
KPXL-TV D26 DT LIC	10.0	10	1.0	3	1.0	3
KXXV D26 DT LIC	249.9	2,534	233.9	2,231	233.9	2,231
KBTW-TV D27 DT LIC	409.5	5,182	409.5	5,182	0.0	0

Interference to BLCDT20111212AHM LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRIV	D26	DT	LIC	HOUSTON, TX	BLCDT20111212AHM	
Undesireds:	KULC-LD	D26	LD	APP	Beaumont, TX	KULC_Ch26_Hgt_Omni	153.3 km
	KYAZ	D25	DT	LIC	KATY, TX	BLANK0000072098	2.1
	KBCA	D26	DT	CP	ALEXANDRIA, LA	BLANK0000033835	312.7
	KTAL-TV	D26	DT	CP	TEXARKANA, TX	BLANK0000068332	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, before		IX-free, after	Percent New IX
	40166.1	6,079,002	40081.2	6,078,683	39538.0	6,069,969	38538.9 6,061,409 2.53 0.14

Undesired	Total IX		Unique IX, before		Unique IX, after	
KULC-LD D26 LD APP	1319.3	12,004			999.1	8,560
KYAZ D25 DT LIC	5.0	1,232	5.0	1,232	5.0	1,232
KBCA D26 DT CP	3.0	242	0.0	0	0.0	0
KTAL-TV D26 DT CP	9.0	365	2.0	110	1.0	110
KPXL-TV D26 DT LIC	15.0	57	2.0	0	2.0	0
KXXV D26 DT LIC	221.0	4,183	202.9	3,871	201.9	3,871
KBTW-TV D27 DT LIC	311.2	3,189	311.2	3,189	0.0	0

Interference to BLANK0000068332 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTAL-TV	D26	DT	CP	TEXARKANA, TX	BLANK0000068332	
Undesireds:	KULC-LD	D26	LD	APP	Beaumont, TX	KULC_Ch26_Hgt_Omni	310.5 km
	KBCA	D26	DT	CP	ALEXANDRIA, LA	BLANK0000033835	257.5
	KOTV-DT	D26	DT	CP	TULSA, OK	BLANK0000028019	378.8
	KRIV	D26	DT	APP	HOUSTON, TX	BLANK0000035805	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, before		IX-free, after	Percent New IX
	41290.7	1,094,202	40983.6	1,091,227	39818.6	1,085,241	39817.6 1,085,241 0.00 0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KULC-LD D26 LD APP	1.0	0			1.0	0
KBCA D26 DT CP	489.8	2,784	398.6	2,412	398.6	2,412
KOTV-DT D26 DT CP	11.9	2	11.9	2	11.9	2
KRIV D26 DT APP	19.2	53	2.0	0	2.0	0
KXXV D26 DT LIC	57.1	1,124	51.1	1,117	51.1	1,117

KTVE D27 DT LIC	680.2	2,395	609.3	2,083	609.3	2,083
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Interference to BLANK0000068332 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTAL-TV	D26	DT	CP	TEXARKANA, TX	BLANK0000068332	
Undesireds:	KULC-LD	D26	LD	APP	Beaumont, TX	KULC_Ch26_Hgt_Omni	310.5 km
	KBCA	D26	DT	CP	ALEXANDRIA, LA	BLANK0000033835	257.5
	KOTV-DT	D26	DT	CP	TULSA, OK	BLANK0000028019	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, before		IX-free, after	Percent New IX
41290.7	1,094,202	40983.6	1,091,227	39818.6	1,085,241	39817.6 1,085,241	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KULC-LD D26 LD APP	1.0 0		1.0 0
KBCA D26 DT CP	489.8 2,784	400.7 2,412	400.7 2,412
KOTV-DT D26 DT CP	11.9 2	11.9 2	11.9 2
KRIV D26 DT LIC	16.2 53	2.0 0	2.0 0
KXXV D26 DT LIC	57.1 1,124	52.1 1,117	52.1 1,117
KTVE D27 DT LIC	680.2 2,395	609.3 2,083	609.3 2,083

Interference to proposal scenario 1
**MX: 8.48% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KULC-LD	D26	LD	APP	Beaumont, TX	KULC_Ch26_Hgt_Omni	
Undesireds:	KRIV	D26	DT	APP	HOUSTON, TX	BLANK0000035805	153.3 km
	K27JJ-D	D27	LD	LIC	FORBES/JASPER CTY, TX	BLDTL20110610AAD	61.3
	KBTB-TV	D27	DT	LIC	PORT ARTHUR, TX	BLANK0000063140	6.5
Service area		Terrain-limited		IX-free		Percent IX	
7221.2	408,658	7221.2	408,658	3805.9	373,989	47.30 8.48	

Undesired	Total IX	Unique IX	Prcnt Unique IX
KRIV D26 DT APP	632.7 7,114	0.0 0	0.00 0.00
K27JJ-D D27 LD LIC	1.0 0	1.0 0	0.01 0.00
KBTB-TV D27 DT LIC	3414.3 34,669	2781.6 27,555	38.52 6.74

Interference to proposal scenario 2
8.48% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KULC-LD	D26	LD	APP	Beaumont, TX	KULC_Ch26_Hgt_Omni	
Undesireds:	KRIV	D26	DT	LIC	HOUSTON, TX	BLCDT20111212AHM	153.3 km
	K27JJ-D	D27	LD	LIC	FORBES/JASPER CTY, TX	BLDTL20110610AAD	61.3
	KBTB-TV	D27	DT	LIC	PORT ARTHUR, TX	BLANK0000063140	6.5
Service area		Terrain-limited		IX-free		Percent IX	
7221.2	408,658	7221.2	408,658	3805.9	373,989	47.30 8.48	

Undesired	Total IX	Unique IX	Prcnt Unique IX
KRIV D26 DT LIC	578.5 6,437	0.0 0	0.00 0.00
K27JJ-D D27 LD LIC	1.0 0	1.0 0	0.01 0.00
KBTB-TV D27 DT LIC	3414.3 34,669	2835.8 28,232	39.27 6.91