

tvstudy v2.2.5 (4uoc83)
 Database: localhost, Study: KVHC NEW LOCATION, Model: Longley-Rice
 Start: 2019.12.10 08:34:43

Study created: 2019.12.10 08:34:43

Study build station data: LMS TV 2019-12-08

Proposal: KVHC-LP D31 LD LIC KERRVILLE, TX
 File number: KVHC NEW LOCATION
 Facility ID: 125586
 Station data: User record
 Record ID: 637
 Country: U.S.

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

Search options:
 Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K17GZ	N17z	TX	LIC	HARPER, TX	BLTTL20070507AEW	30.1 km
No	K17GL	N17+	TX	LIC	UVALDE, TX	BLTTL20060331AIK	113.7
No	KGSA-LD	N23-	TX	LIC	SAN ANTONIO, TX	BLTTL20110531ACJ	93.8
No	KSAA-LP	N28+	TX	LIC	SAN ANTONIO, TX	BLTTL20020122AAM	91.8
No	KTAB-TV	D30	DT	CP	ABILENE, TX	BLANK0000029890	246.8
No	KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY	167.6
No	KPLE-CD	D30	DC	CP	KILLEEN, TX	BPDTA20130211ACF	167.6
Yes	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLCDT20100527AFI	119.1
No	KEOT-LD	D31	LD	CP	ABILENE, TX	BLANK0000072036	271.0
Yes	KBV0-CD	D31	DC	LIC	AUSTIN, TX	BLANK0000001127	125.2
No	KUBE-TV	D31	DT	LIC	BAYTOWN, TX	BLANK0000072353	348.9
No	K31KJ-D	D31	LD	LIC	BIG SPRINGS, TX	BLDTT20121010ABK	326.8
No	K31GL-D	D31	LD	LIC	DE SOTO, TX	BLDTL20081110AJA	341.2
No	KGBT-TV	D31	DT	LIC	HARLINGEN, TX	BLCDT20030619ABF	456.3
No	KHXL-LP	D31-	LD	CP	HUNTSVILLE, TX	BLANK0000005630	324.9
No	K31KK-D	D31	DC	LIC	KINGSVILLE-ALICE, TX	BLANK0000001576	293.0
No	KAZD	D31	DT	CP	LAKE DALLAS, TX	BLANK0000034935	341.3
No	KX0F-CD	D31	DC	LIC	LAREDO, TX	BLDTA20101216ABZ	290.2
No	K31MU-D	D31	LD	LIC	LINGLEVILLE-CROWLEY, TX	BLDTL20150120AIJ	319.4
No	KLBK-TV	D31	DT	LIC	LUBBOCK, TX	BLANK0000078650	462.9
No	K31LL-D	D31	LD	CP	MIDLAND/ODESSA, TX	BNPDTL20090825AWQ	380.8
No	K31LM-D	D31	LD	CP	RANGER, TX	BNPDTL20100304AAZ	259.2
No	KANG-LP	N31-	TX	APP	SAN ANGELO, TX	BLANK0000059413	204.7
No	KANG-LP	D31-	LD	LIC	SAN ANGELO, TX	BLTTL19990727JE	204.7
Yes	KVDF-CD	D31	DC	LIC	SAN ANTONIO, TX	BLANK0000001489	91.8
No	NEW	D31	LD	APP	SHEFFIELD, TX	BNPDTL20100329AFB	254.9
No	K31PR-D	D31	LD	CP	TYLER, TX	BLANK0000072034	429.3
No	KVHM-LP	N31	TX	LIC	VICTORIA, TX	BLTTL19980616JF	250.9
No	K29HW-D	D32	LD	CP	AUSTIN, TX	BLANK0000054145	130.2
Yes	KMYS	D32	DT	LIC	KERRVILLE, TX	BLCDT20060608ACW	57.4
No	K34HW	N34-	TX	LIC	MASON, TX	BLTTL20070507AEV	79.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D31
 Mask: Full Service
 Latitude: 30 6 7.50 N (NAD83)
 Longitude: 99 4 39.60 W
 Height AMSL: 693.0 m
 HAAT: 120.1 m
 Peak ERP: 15.0 kW
 Antenna: Omnidirectional
 Elev Pattn: Generic
 Elec Tilt: 0.75

50.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	105.5 m	44.0 km
45.0	15.0	123.6	45.6
90.0	15.0	77.6	40.4
135.0	15.0	167.5	48.6

180.0	15.0	148.9	47.3
225.0	15.0	152.1	47.6
270.0	15.0	119.9	45.3
315.0	15.0	65.8	38.6

Distance to Canadian border: 1938.7 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 190.3 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 158.2 degrees Distance: 317.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 335.1 degrees Distance: 1244.9 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%

Interference to BLCDT20100527AFI LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLCDT20100527AFI			
Undesireds:	KVHC-LP	D31	LD	LIC	KERRVILLE, TX	KVHC NEW LOCATION	119.1 km		
	KENS	D29	DT	LIC	SAN ANTONIO, TX	BLANK0000074877	2.4		
	KTAB-TV	D30	DT	CP	ABILENE, TX	BLANK0000029890	355.2		
	K09YZ-D	D30	DC	BL	BEEVILLE-REFUGIO, TX	DTVBL51373	129.5		
	KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY	205.2		
	KXLN-DT	D30	DT	LIC	ROSENBERG, TX	BLANK0000067755	268.9		
	KBVO-CD	D31	DC	LIC	AUSTIN, TX	BLANK0000001127	123.6		
	KVDF-CD	D31	DC	LIC	SAN ANTONIO, TX	BLANK0000001489	28.3		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
33597.4		2,473,814		32781.6		2,423,943	0.22 0.07		
Undesired				Total IX	Unique IX, before	Unique IX, after			
KVHC-LP D31 LD LIC				86.4	2,001	69.3	1,724		
KENS D29 DT LIC				343.1	1,482	330.1	1,245		
KTAB-TV D30 DT CP				97.3	1,012	40.1	131		
K09YZ-D D30 DC BL				22.8	96	20.8	96		
KPLE-CD D30 DC LIC				51.1	1,092	9.0	40		
KXLN-DT D30 DT LIC				288.5	19,654	195.2	8,982		
KBVO-CD D31 DC LIC				76.2	13,443	13.0	3,106		
KVDF-CD D31 DC LIC				27.2	6,709	21.2	6,554		

Interference to BLCDT20100527AFI LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLCDT20100527AFI			
Undesireds:	KVHC-LP	D31	LD	LIC	KERRVILLE, TX	KVHC NEW LOCATION	119.1 km		
	KENS	D29	DT	LIC	SAN ANTONIO, TX	BLANK0000074877	2.4		
	KTAB-TV	D30	DT	CP	ABILENE, TX	BLANK0000029890	355.2		
	K09YZ-D	D30	DC	BL	BEEVILLE-REFUGIO, TX	DTVBL51373	129.5		
	KPLE-CD	D30	DC	CP	KILLEEN, TX	BPDTA20130211ACF	205.2		
	KXLN-DT	D30	DT	LIC	ROSENBERG, TX	BLANK0000067755	268.9		
	KBVO-CD	D31	DC	LIC	AUSTIN, TX	BLANK0000001127	123.6		
	KVDF-CD	D31	DC	LIC	SAN ANTONIO, TX	BLANK0000001489	28.3		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
33597.4		2,473,814		32781.6		2,423,939	0.22 0.07		
Undesired				Total IX	Unique IX, before	Unique IX, after			
KVHC-LP D31 LD LIC				86.4	2,001	69.3	1,724		
KENS D29 DT LIC				343.1	1,482	330.1	1,245		
KTAB-TV D30 DT CP				97.3	1,012	36.1	131		
K09YZ-D D30 DC BL				22.8	96	20.8	96		
KPLE-CD D30 DC CP				63.1	1,644	13.0	44		
KXLN-DT D30 DT LIC				288.5	19,654	195.2	8,982		

KBV0-CD D31 DC LIC	76.2	13,443	13.0	3,106	13.0	3,106
KVDF-CD D31 DC LIC	27.2	6,709	21.2	6,554	21.2	6,554

Interference to BLANK0000001127 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	KBV0-CD	D31	DC	LIC	AUSTIN, TX	BLANK0000001127			
Undesireds:	KVHC-LP	D31	LD	LIC	KERRVILLE, TX	KVHC NEW LOCATION	125.2 km		
	KPLE-CD	D30	DC	LIC	KILLEEN, TX	BLDTL20090416ASY	84.1		
	KUBE-TV	D31	DT	LIC	BAYTOWN, TX	BLANK0000072353	235.9		
	KAZD	D31	DT	CP	LAKE DALLAS, TX	BLANK0000034935	263.5		
	KVDF-CD	D31	DC	LIC	SAN ANTONIO, TX	BLANK0000001489	119.6		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
9472.8 1,675,841		9306.7 1,670,694		9206.6 1,668,364		9200.6 1,668,237	0.07 0.01		
Undesired				Total IX	Unique IX, before	Unique IX, after			
KVHC-LP D31 LD LIC				13.0 446		6.0 127			
KUBE-TV D31 DT LIC				88.1 2,231	79.0 1,962	76.0 1,841			
KAZD D31 DT CP				13.0 170	7.0 27	6.0 27			
KVDF-CD D31 DC LIC				8.0 198	5.0 72	3.0 0			

Interference to BLANK0000001489 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	KVDF-CD	D31	DC	LIC	SAN ANTONIO, TX	BLANK0000001489			
Undesireds:	KVHC-LP	D31	LD	LIC	KERRVILLE, TX	KVHC NEW LOCATION	91.8 km		
	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLC DT20100527AFI	28.3		
	KBV0-CD	D31	DC	LIC	AUSTIN, TX	BLANK0000001127	119.6		
	KUBE-TV	D31	DT	LIC	BAYTOWN, TX	BLANK0000072353	290.1		
	KMYS	D32	DT	LIC	KERRVILLE, TX	BLC DT20060608ACW	41.8		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
5452.4 1,848,642		5407.1 1,846,542		4036.5 1,777,542		4022.4 1,777,282	0.35 0.01		
Undesired				Total IX	Unique IX, before	Unique IX, after			
KVHC-LP D31 LD LIC				66.4 4,137		14.1 260			
KABB D30 DT LIC				932.1 49,476	498.2 31,243	478.0 29,451			
KBV0-CD D31 DC LIC				10.1 318	1.0 3	0.0 0			
KUBE-TV D31 DT LIC				7.0 23	1.0 0	0.0 0			
KMYS D32 DT LIC				862.4 37,439	433.4 19,498	421.3 18,135			

Interference to BLC DT20060608ACW LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	KMYS	D32	DT	LIC	KERRVILLE, TX	BLC DT20060608ACW			
Undesireds:	KVHC-LP	D31	LD	LIC	KERRVILLE, TX	KVHC NEW LOCATION	57.4 km		
	KVDF-CD	D31	DC	LIC	SAN ANTONIO, TX	BLANK0000001489	41.8		
	KPXB-TV	D32	DT	LIC	CONROE, TX	BLANK0000035588	327.8		
	KDAF	D32	DT	LIC	DALLAS, TX	BLC DT20010606ABJ	374.3		
	KVUE	D33	DT	LIC	AUSTIN, TX	BLC DT20050624AAI	131.3		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
34821.2 2,274,366		33510.7 2,268,376		33137.4 2,256,582		33087.3 2,256,413	0.15 0.01		
Undesired				Total IX	Unique IX, before	Unique IX, after			
KVHC-LP D31 LD LIC				50.1 169		50.1 169			
KVDF-CD D31 DC LIC				14.1 5,095	12.1 5,095	12.1 5,095			
KPXB-TV D32 DT LIC				148.6 4,185	64.3 2,622	64.3 2,622			
KDAF D32 DT LIC				10.0 0	5.0 0	5.0 0			
KVUE D33 DT LIC				289.9 4,077	206.6 2,514	206.6 2,514			

Interference to proposal scenario 1
7.34% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KVHC-LP	D31	LD	LIC	KERRVILLE, TX	KVHC NEW LOCATION	
Undesireds:	KABB	D30	DT	LIC	SAN ANTONIO, TX	BLC DT20100527AFI	119.1 km
	KBV0-CD	D31	DC	LIC	AUSTIN, TX	BLANK0000001127	125.2
	KAZD	D31	DT	CP	LAKE DALLAS, TX	BLANK0000034935	341.3
	KANG-LP	N31-	TX	APP	SAN ANGELO, TX	BLANK0000059413	204.7

	KVDF-CD	D31	DC	LIC	SAN ANTONIO, TX	BLANK0000001489	91.8
	KMYS	D32	DT	LIC	KERRVILLE, TX	BLCDT20060608ACW	57.4
	Service area	Terrain-limited			IX-free	Percent IX	
6350.7	103,080	5593.7	89,402	5244.9	82,841	6.24	7.34
Undesired		Total IX			Unique IX	Prcnt Unique IX	
KABB D30 DT LIC	7.0	149	0.0	0	0.00	0.00	
KBVO-CD D31 DC LIC	36.1	158	35.1	158	0.63	0.18	
KAZD D31 DT CP	2.0	0	2.0	0	0.04	0.00	
KVDF-CD D31 DC LIC	72.4	2,775	19.1	669	0.34	0.75	
KMYS D32 DT LIC	292.7	5,734	237.4	3,575	4.24	4.00	