

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

tvstudy v2.2.5 (4uoc83)
Database: 192.168.0.58, Study: KVHC_Ch11_1.5kW_Omnioid_130D_S3, Model: Longley-Rice
Start: 2021.06.15 16:33:56

Study created: 2021.06.15 16:33:56

Study build station data: LMS TV 2021-06-15

Proposal: KVHC-LP D11 LD APP KERRVILLE, TX
File number: KVHC_Ch11_1.5kW_Omnioid_130D_S3
Facility ID: 125586
Station data: User record
Record ID: 745
Country: U.S.

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

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
No	KNHB-LP	N7-	TX	LIC	UVALDE, TX	BLTVL20000203AAX	102.8 km
No	KZTV	D10	DT	LIC	CORPUS CHRISTI, TX	BLCDT20100111ADU	261.4
No	KSAA-LD	D10+	LD	LIC	SAN ANTONIO, TX	BLANK00000110645	55.2
No	K10PL-D	D10	LD	LIC	VICTORIA, TX	BLANK00000001129	176.3
No	KWTX-TV	D10	DT	LIC	WACO, TX	BLCDT20110822AEA	233.4
No	DDKQUX-LP	D11	LD	APP	AUSTIN, TX	BDFCDVA20090723AEL	126.5
No	KSPG-LP	N11	TX	LIC	CARRIZO SPRINGS, TX	BLTVL200001013ACD	168.1
No	KQFW-LD	D11	LD	CP	DALLAS, TX	BLANK00000054275	344.4
No	KHOU	D11	DT	LIC	HOUSTON, TX	BLCDT20120620ACK	333.4
No	K21KJ-D	D11	LD	CP	MINERAL WELLS, TX	BLANK00000054783	341.5
Yes	KLST	D11	DT	LIC	SAN ANGELO, TX	BLCDT20090316ABJ	207.5
Yes	KVCT	D11	DT	LIC	VICTORIA, TX	BLCDT20120104AAJ	203.5
Yes	KVCT	D11	DT	CP	VICTORIA, TX	BPCDT20120105ABP	203.5
Yes	KSAT-TV	D12	DT	LIC	SAN ANTONIO, TX	BLANK00000112298	85.9
No	LICITACIOND11		DT	LIC	NUEVO LAREDO, TA	BLANKBPFSXXXX0017XXX	258.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D11
Mask: Full Service
Latitude: 29 45 31.80 N (NAD83)
Longitude: 98 56 46.10 W
Height AMSL: 621.1 m
HAAT: 0.0 m
Peak ERP: 1.50 kW
Antenna: ATC-BCC42M-V3-11 130.0 deg
Elev Pattnr: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.628 kW	88.4 m	33.1 km
45.0	0.765	72.4	31.5
90.0	1.26	94.8	39.0
135.0	1.49	175.6	50.0
180.0	1.15	237.7	51.6
225.0	0.691	208.7	46.4
270.0	0.655	215.7	46.3
315.0	0.750	164.0	43.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 157 m

Distance to Canadian border: 1958.1 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 182.6 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 157.8 degrees Distance: 277.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 335.3 degrees Distance: 1284.8 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 BLCDT20090316ABJ LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KLST	D11	DT	LIC	SAN ANGELO, TX	BLCDT20090316ABJ	
Undesireds:	KVHC-LP	D11	LD	APP	KERRVILLE, TX	KVHC_Ch11_1.5kW_Omnioi	207.5 km
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	339.9
	KVCT	D11	DT	LIC	VICTORIA, TX	BLCDT20120104AAJ	396.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
36400.4	199,262	34003.1	174,967	33680.6	173,185	33631.3 173,145	0.15 0.02
Undesired		Total IX		Unique IX, before		Unique IX, after	
KVHC-LP	D11 LD APP	49.3	40			49.3 40	
KSWO-TV	D11 DT LIC	321.5	1,780	321.5	1,780	321.5 1,780	
KVCT	D11 DT LIC	1.0	2	1.0	2	1.0 2	

Interference to BLCDT20090316ABJ LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KLST	D11	DT	LIC	SAN ANGELO, TX	BLCDT20090316ABJ	
Undesireds:	KVHC-LP	D11	LD	APP	KERRVILLE, TX	KVHC_Ch11_1.5kW_Omnioi	207.5 km
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	339.9
	KVCT	D11	DT	CP	VICTORIA, TX	BPCDT20120105ABP	396.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
36400.4	199,262	34003.1	174,967	33679.6	173,185	33631.3 173,145	0.14 0.02
Undesired		Total IX		Unique IX, before		Unique IX, after	
KVHC-LP	D11 LD APP	49.3	40			48.3 40	
KSWO-TV	D11 DT LIC	321.5	1,780	321.5	1,780	321.5 1,780	
KVCT	D11 DT CP	2.0	2	2.0	2	1.0 2	

Interference to BLCDT20120104AAJ LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KVCT	D11	DT	LIC	VICTORIA, TX	BLCDT20120104AAJ	
Undesireds:	KVHC-LP	D11	LD	APP	KERRVILLE, TX	KVHC_Ch11_1.5kW_Omnioi	203.5 km
	KZTV	D10	DT	LIC	CORPUS CHRISTI, TX	BLCDT20100111ADU	135.8
	KHOU	D11	DT	LIC	HOUSTON, TX	BLCDT20120620ACK	176.6
	KSAT-TV	D12	DT	LIC	SAN ANTONIO, TX	BLANK0000112298	119.8
	LICITACIOND	D11	DT	LIC	NUEVO LAREDO, TA	BLANKBPFSXXXX0017XXX	278.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
27083.5	287,346	26677.2	285,475	22092.0	252,792	22088.0 252,772	0.02 0.01

Undesired		Total IX	Unique IX, before	Unique IX, after
KVHC-LP D11 LD APP	61.7	209		4.0 20
KZTV D10 DT LIC	21.9	19	2.0 15	2.0 15
KHOU D11 DT LIC	4170.9	30,704	3815.3 29,291	3815.3 29,291
KSAT-TV D12 DT LIC	728.1	3,369	408.2 1,964	406.2 1,964
LICITACION D11 DT LIC	68.3	62	2.0 0	2.0 0

Interference to BPCDT20120105ABP CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KVCT	D11	DT	CP	VICTORIA, TX	BPCDT20120105ABP	
Undesireds:	KVHC-LP	D11	LD	APP	KERRVILLE, TX	KVHC_Ch11_1.5kW_Omnioi	203.5 km
	KZTV	D10	DT	LIC	CORPUS CHRISTI, TX	BLCDT20100111ADU	135.8
	KHOU	D11	DT	LIC	HOUSTON, TX	BLCDT20120620ACK	176.6
	KSAT-TV	D12	DT	LIC	SAN ANTONIO, TX	BLANK0000112298	119.8
	LICITACIOND11	DT	LIC		NUEVO LAREDO, TA	BLANKBPFSXXXXX0017XXX	278.0
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
30307.1 303,730	29825.8 301,368	24485.7 261,070	24484.7 261,064	0.00 0.00			

Undesired		Total IX	Unique IX, before	Unique IX, after
KVHC-LP D11 LD APP	73.9	835		1.0 6
KZTV D10 DT LIC	57.8	1,862	11.0 59	11.0 59
KHOU D11 DT LIC	4906.8	37,573	4466.6 34,092	4465.6 34,077
KSAT-TV D12 DT LIC	790.9	4,319	418.3 2,666	413.3 2,634
LICITACION D11 DT LIC	87.4	117	0.0 0	0.0 0

Interference to BLANK0000112298 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KSAT-TV	D12	DT	LIC	SAN ANTONIO, TX	BLANK0000112298	
Undesireds:	KVHC-LP	D11	LD	APP	KERRVILLE, TX	KVHC_Ch11_1.5kW_Omnioi	85.9 km
	KVCT	D11	DT	LIC	VICTORIA, TX	BLCDT20120104AAJ	119.8
	KAMU-TV	D12	DT	LIC	COLLEGE STATION, TX	BLEDT20030319AFB	238.5
	KRIS-TV	D13	DT	LIC	CORPUS CHRISTI, TX	BLANK0000144907	179.6
	KAKW-DT	D13	DT	LIC	KILLEEN, TX	BLCDT20120625ABA	163.9
	XHMTA	D12	DT	LIC	MATAMOROS, TA	BLANKBPFS20160318AAI	385.0
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
42714.3 2,562,100	40859.1 2,518,216	39945.3 2,490,010	39697.8 2,484,202	0.62 0.23			

Undesired		Total IX	Unique IX, before	Unique IX, after
KVHC-LP D11 LD APP	247.5	5,808		247.5 5,808
KVCT D11 DT LIC	733.4	5,531	725.3 5,520	725.3 5,520
KAMU-TV D12 DT LIC	77.4	8,903	46.2 5,521	46.2 5,521
KRIS-TV D13 DT LIC	4.0	0	3.0 0	3.0 0
KAKW-DT D13 DT LIC	115.3	17,055	92.2 13,684	92.2 13,684
XHMTA D12 DT LIC	15.9	99	14.9 99	14.9 99

Interference to BLANK0000112298 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KSAT-TV	D12	DT	LIC	SAN ANTONIO, TX	BLANK0000112298	
Undesireds:	KVHC-LP	D11	LD	APP	KERRVILLE, TX	KVHC_Ch11_1.5kW_Omnioi	85.9 km
	KVCT	D11	DT	CP	VICTORIA, TX	BPCDT20120105ABP	119.8
	KAMU-TV	D12	DT	LIC	COLLEGE STATION, TX	BLEDT20030319AFB	238.5
	KRIS-TV	D13	DT	LIC	CORPUS CHRISTI, TX	BLANK0000144907	179.6
	KAKW-DT	D13	DT	LIC	KILLEEN, TX	BLCDT20120625ABA	163.9
	XHMTA	D12	DT	LIC	MATAMOROS, TA	BLANKBPFS20160318AAI	385.0
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
42714.3 2,562,100	40859.1 2,518,216	39876.6 2,488,826	39629.1 2,483,018	0.62 0.23			

Undesired		Total IX	Unique IX, before	Unique IX, after
KVHC-LP D11 LD APP	247.5	5,808		247.5 5,808
KVCT D11 DT CP	802.1	6,715	794.0 6,704	794.0 6,704
KAMU-TV D12 DT LIC	77.4	8,903	46.2 5,521	46.2 5,521

KRIS-TV D13 DT LIC	4.0	0	3.0	0	3.0	0
KAKW-DT D13 DT LIC	115.3	17,055	92.2	13,684	92.2	13,684
XHMTA D12 DT LIC	15.9	99	14.9	99	14.9	99

Interference to proposal scenario 1
39.56% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KVHC-LP	D11	LD	APP	KERRVILLE, TX	KVHC_Ch11_1.5kW_Omnioid	
Undesireds:	KSAA-LD	D10+	LD	LIC	SAN ANTONIO, TX	BLANK0000110645	55.2 km
	KLST	D11	DT	LIC	SAN ANGELO, TX	BLCDT20090316ABJ	207.5
	KVCT	D11	DT	LIC	VICTORIA, TX	BLCDT20120104AAJ	203.5
	KSAT-TV	D12	DT	LIC	SAN ANTONIO, TX	BLANK0000112298	85.9
Service area		Terrain-limited		IX-free		Percent IX	
5885.4	717,160	5486.3	579,948	5288.4	350,541	3.61	39.56

Undesired		Total IX	Unique IX	Prcnt Unique IX
KSAA-LD D10+ LD LIC	6.1	7,323	0.0	0.00
KLST D11 DT LIC	2.0	3,206	1.0	0.02
KVCT D11 DT LIC	3.0	3,709	0.0	0.00
KSAT-TV D12 DT LIC	196.8	226,201	188.7	3.44

Interference to proposal scenario 2
39.56% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KVHC-LP	D11	LD	APP	KERRVILLE, TX	KVHC_Ch11_1.5kW_Omnioid	
Undesireds:	KSAA-LD	D10+	LD	LIC	SAN ANTONIO, TX	BLANK0000110645	55.2 km
	KLST	D11	DT	LIC	SAN ANGELO, TX	BLCDT20090316ABJ	207.5
	KVCT	D11	DT	CP	VICTORIA, TX	BPCDT20120105ABP	203.5
	KSAT-TV	D12	DT	LIC	SAN ANTONIO, TX	BLANK0000112298	85.9
Service area		Terrain-limited		IX-free		Percent IX	
5885.4	717,160	5486.3	579,948	5288.4	350,541	3.61	39.56

Undesired		Total IX	Unique IX	Prcnt Unique IX
KSAA-LD D10+ LD LIC	6.1	7,323	0.0	0.00
KLST D11 DT LIC	2.0	3,206	1.0	0.02
KVCT D11 DT CP	7.1	6,791	0.0	0.00
KSAT-TV D12 DT LIC	196.8	226,201	185.7	3.38