

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: Hous6dFP, Model: Longley-Rice  
Start: 2018.05.22 13:04:57

Study created: 2018.05.22 13:04:56

Study build station data: LMS TV 2018-05-22

Proposal: KCVH-LD D6 LD APP HOUSTON, TX  
Facility ID: 7079  
Station data: User record  
Record ID: 762  
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
Yes	KTDJ-LD	D5	LD	LIC	DAYTON, TX	BLANK0000011256	26.1 km
Yes	KTDJ-LD	D5	LD	CP	DAYTON, TX	BLANK0000019131	25.8
No	KXKW-LP	N6+	TX	LIC	LAFAYETTE, LA	BLTVA20090728AEU	352.4
No	K22GT	N6z	TX	APP	LAKE CHARLES, LA	BDISTVL20091021ACI	224.2
No	KXTY-LP	N6	TX	APP	ELY, NV	BMAPTVL20091020ACA	304.5
Yes	KIPS-LD	D6	LD	APP	BEAUMONT, TX	BLANK0000013791	109.3
No	KIPS-LD	D6	LD	LIC	BEAUMONT, TX	BLDVL20130102AAX	148.3
Yes	KIPS-LD	D6	LD	APP	BEAUMONT, TX	BPDVL20140113ADK	148.3
No	KZFW-LP	N6-	TX	CP	DALLAS, TX	BPTVL20140121ABD	363.2
No	KZFW-LP	N6-	TX	LIC	DALLAS, TX	BLTVL20080902AEH	363.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D6

Mask: Full Service  
Latitude: 29 33 45.20 N (NAD83)  
Longitude: 95 30 35.90 W  
Height AMSL: 426.5 m  
HAAT: 0.0 m  
Peak ERP: 3.00 kW  
Antenna: ERI-ALP32L3-HSOC-30 (ID 110070) 30.0 deg  
Elev Pattn: Generic  
Elec Tilt: -0.75

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.71 kW	406.6 m	72.2 km
45.0	2.92	408.9	73.0
90.0	2.02	407.9	69.6
135.0	1.15	407.6	64.6
180.0	1.24	408.7	65.3
225.0	1.33	407.6	65.8
270.0	1.09	406.4	64.0
315.0	1.65	402.3	67.4

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 407 m

Distance to Canadian border: 1765.2 km

Distance to Mexican border: 422.3 km

Conditions at FCC monitoring station: Kingsville TX  
Bearing: 225.1 degrees    Distance: 330.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 325.6 degrees    Distance: 1468.3 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%

-----  
Interference to BLANK0000011256 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTDJ-LD	D5	LD	LIC	DAYTON, TX	BLANK0000011256	
Undesireds:	KCVH-LD	D6	LD	APP	HOUSTON, TX		26.1 km
	KCWX	D5	DT	LIC	FREDERICKSBURG, TX	BLCDT20090709AEQ	315.4
	KIPS-LD	D6	LD	APP	BEAUMONT, TX	BLANK0000013791	86.9
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
14187.3	5,599,317	14187.3	5,599,317	14186.3	5,599,317	14182.2 5,597,349	0.03 0.04
Undesired				Total IX	Unique IX, before	Unique IX, after	
KCVH-LD D6 LD APP				4.0 1,968		4.0 1,968	
KIPS-LD D6 LD APP				1.0 0	1.0 0	1.0 0	

-----  
Interference to BLANK0000011256 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTDJ-LD	D5	LD	LIC	DAYTON, TX	BLANK0000011256	
Undesireds:	KCVH-LD	D6	LD	APP	HOUSTON, TX		26.1 km
	KCWX	D5	DT	LIC	FREDERICKSBURG, TX	BLCDT20090709AEQ	315.4
	KIPS-LD	D6	LD	LIC	BEAUMONT, TX	BLDVL20130102AAX	126.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
14187.3	5,599,317	14187.3	5,599,317	14187.3	5,599,317	14183.2 5,597,349	0.03 0.04
Undesired				Total IX	Unique IX, before	Unique IX, after	
KCVH-LD D6 LD APP				4.0 1,968		4.0 1,968	

-----  
Interference to BLANK0000011256 LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTDJ-LD	D5	LD	LIC	DAYTON, TX	BLANK0000011256	
Undesireds:	KCVH-LD	D6	LD	APP	HOUSTON, TX		26.1 km
	KCWX	D5	DT	APP	FREDERICKSBURG, TX	BPCDT20090713ACO	315.4
	KIPS-LD	D6	LD	APP	BEAUMONT, TX	BLANK0000013791	86.9
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	14187.3 5,599,317		14187.3 5,599,317		14185.3 5,599,317	14181.2 5,597,349	0.03 0.04
Undesired				Total IX	Unique IX, before	Unique IX, after	
KCVH-LD D6 LD APP		4.0		1,968		4.0 1,968	
KCWX D5 DT APP		1.0		0	1.0 0	1.0 0	
KIPS-LD D6 LD APP		1.0		0	1.0 0	1.0 0	

-----  
Interference to BLANK0000011256 LIC scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTDJ-LD	D5	LD	LIC	DAYTON, TX	BLANK0000011256	
Undesireds:	KCVH-LD	D6	LD	APP	HOUSTON, TX		26.1 km
	KCWX	D5	DT	APP	FREDERICKSBURG, TX	BPCDT20090713ACO	315.4
	KIPS-LD	D6	LD	LIC	BEAUMONT, TX	BLDV20130102AAX	126.8
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	14187.3 5,599,317		14187.3 5,599,317		14186.3 5,599,317	14182.2 5,597,349	0.03 0.04
Undesired				Total IX	Unique IX, before	Unique IX, after	
KCVH-LD D6 LD APP		4.0		1,968		4.0 1,968	
KCWX D5 DT APP		1.0		0	1.0 0	1.0 0	

-----  
Interference to BLANK0000019131 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTDJ-LD	D5	LD	CP	DAYTON, TX	BLANK0000019131	
Undesireds:	KCVH-LD	D6	LD	APP	HOUSTON, TX		25.8 km
	KCWX	D5	DT	LIC	FREDERICKSBURG, TX	BLCDDT20090709AEQ	315.1
	KIPS-LD	D6	LD	APP	BEAUMONT, TX	BLANK0000013791	87.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
14176.4	5,599,205	14176.4	5,599,205	14175.4	5,599,205	14171.4 5,597,237	0.03 0.04
Undesired		Total IX		Unique IX, before		Unique IX, after	
KCVH-LD	D6 LD APP	4.0	1,968			4.0 1,968	
KIPS-LD	D6 LD APP	1.0	0	1.0	0	1.0 0	

-----  
Interference to BLANK0000019131 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KTDJ-LD	D5	LD	CP	DAYTON, TX	BLANK0000019131	
Undesireds:	KCVH-LD	D6	LD	APP	HOUSTON, TX		25.8 km
	KCWX	D5	DT	LIC	FREDERICKSBURG, TX	BLCDDT20090709AEQ	315.1
	KIPS-LD	D6	LD	LIC	BEAUMONT, TX	BLDVL20130102AAX	127.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
14176.4	5,599,205	14176.4	5,599,205	14176.4	5,599,205	14172.4 5,597,237	0.03 0.04
Undesired		Total IX		Unique IX, before		Unique IX, after	
KCVH-LD	D6 LD APP	4.0	1,968			4.0 1,968	

-----  
Interference to BLANK0000013791 APP scenario 1

\*\*MX: 68.31% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KIPS-LD	D6	LD	APP	BEAUMONT, TX	BLANK0000013791	

Undesireds:	KCVH-LD	D6	LD	APP	HOUSTON, TX		109.3 km
	KTDJ-LD	D5	LD	LIC	DAYTON, TX	BLANK0000011256	86.9
	K22GT	N6z	TX	APP	LAKE CHARLES, LA	BDISTVL20091021ACI	118.4
	KZFW-LP	N6-	TX	CP	DALLAS, TX	BPTVL20140121ABD	364.3

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	21383.6	1,981,568	21370.6	1,980,425	21208.8	1,832,411	17790.0	580,660	16.12 68.31

Undesired		Total IX	Unique IX, before	Unique IX, after
KCVH-LD D6 LD APP	3541.5	1,399,290		3418.7 1,251,751
KTDJ-LD D5 LD LIC	122.7	147,539	122.7 147,539	0.0 0
K22GT N6z TX APP	39.1	475	39.1 475	39.1 475

-----

Interference to BLANK0000013791 APP scenario 2

\*\*MX: 68.52% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KIPS-LD	D6	LD	APP	BEAUMONT, TX	BLANK0000013791	
Undesireds:	KCVH-LD	D6	LD	APP	HOUSTON, TX		109.3 km
	KTDJ-LD	D5	LD	CP	DAYTON, TX	BLANK0000019131	87.3
	K22GT	N6z	TX	APP	LAKE CHARLES, LA	BDISTVL20091021ACI	118.4
	KZFW-LP	N6-	TX	CP	DALLAS, TX	BPTVL20140121ABD	364.3

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	21383.6	1,981,568	21370.6	1,980,425	21219.8	1,844,795	17790.0	580,660	16.16 68.52

Undesired		Total IX	Unique IX, before	Unique IX, after
KCVH-LD D6 LD APP	3541.5	1,399,290		3429.8 1,264,135
KTDJ-LD D5 LD CP	111.7	135,155	111.7 135,155	0.0 0
K22GT N6z TX APP	39.1	475	39.1 475	39.1 475

-----

Interference to BPDVL20140113ADK APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KIPS-LD	D6	LD	APP	BEAUMONT, TX	BPDVL20140113ADK	

Undesireds:	KCVH-LD	D6	LD	APP	HOUSTON, TX		148.3 km
	KTDJ-LD	D5	LD	LIC	DAYTON, TX	BLANK0000011256	126.8
	K22GT	N6z	TX	APP	LAKE CHARLES, LA	BDISTVL20091021ACI	78.2

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
10252.0	426,117	10252.0	426,117	9680.9	419,932	9374.5	418,227	3.17	0.41

Undesired		Total IX	Unique IX, before	Unique IX, after
KCVH-LD D6 LD APP	306.4	1,705	306.4	1,705
K22GT N6z TX APP	571.2	6,185	571.2	6,185

-----

Interference to proposal scenario 1  
 \*\*MX: 17.76% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCVH-LD	D6	LD	APP	HOUSTON, TX		
Undesireds:	KTDJ-LD	D5	LD	LIC	DAYTON, TX	BLANK0000011256	26.1 km
	KIPS-LD	D6	LD	APP	BEAUMONT, TX	BLANK0000013791	109.3
	KZFW-LP	N6-	TX	CP	DALLAS, TX	BPTVL20140121ABD	363.2

	Service area		Terrain-limited		IX-free		Percent IX
14452.2	5,486,060	14452.2	5,486,060	10852.9	4,511,614	24.91	17.76

Undesired		Total IX	Unique IX	Prcnt Unique IX
KTDJ-LD D5 LD LIC	3.0	4,929	3.0	0.02 0.09
KIPS-LD D6 LD APP	3596.3	969,517	3596.3	24.88 17.67

-----

Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCVH-LD	D6	LD	APP	HOUSTON, TX		
Undesireds:	KTDJ-LD	D5	LD	LIC	DAYTON, TX	BLANK0000011256	26.1 km
	KIPS-LD	D6	LD	LIC	BEAUMONT, TX	BLDVL20130102AAX	148.3

KZFW-LP N6- TX CP DALLAS, TX BPTVL20140121ABD 363.2

Service area		Terrain-limited		IX-free		Percent IX	
14452.2	5,486,060	14452.2	5,486,060	14449.2	5,481,131	0.02	0.09

Undesired		Total IX		Unique IX		Prcnt Unique IX	
KTDJ-LD D5 LD LIC	3.0	4,929	3.0	4,929	0.02	0.09	

-----  
Interference to proposal scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCVH-LD	D6	LD	APP	HOUSTON, TX		
Undesireds:	KTDJ-LD	D5	LD	LIC	DAYTON, TX	BLANK00000011256	26.1 km
	KIPS-LD	D6	LD	APP	BEAUMONT, TX	BPDVL20140113ADK	148.3
	KZFW-LP	N6-	TX	CP	DALLAS, TX	BPTVL20140121ABD	363.2

Service area		Terrain-limited		IX-free		Percent IX	
14452.2	5,486,060	14452.2	5,486,060	14444.2	5,480,527	0.06	0.10

Undesired		Total IX		Unique IX		Prcnt Unique IX	
KTDJ-LD D5 LD LIC	3.0	4,929	3.0	4,929	0.02	0.09	
KIPS-LD D6 LD APP	5.0	604	5.0	604	0.03	0.01	

-----  
Interference to proposal scenario 4

\*\*MX: 17.70% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCVH-LD	D6	LD	APP	HOUSTON, TX		
Undesireds:	KTDJ-LD	D5	LD	CP	DAYTON, TX	BLANK00000019131	25.8 km
	KIPS-LD	D6	LD	APP	BEAUMONT, TX	BLANK00000013791	109.3
	KZFW-LP	N6-	TX	CP	DALLAS, TX	BPTVL20140121ABD	363.2

Service area		Terrain-limited		IX-free		Percent IX	
14452.2	5,486,060	14452.2	5,486,060	10854.9	4,515,006	24.89	17.70

Undesired			Total IX		Unique IX	Prcnt Unique IX
KTDJ-LD D5 LD CP	1.0		1,537	1.0	1,537	0.01 0.03
KIPS-LD D6 LD APP	3596.3		969,517	3596.3	969,517	24.88 17.67

-----  
Interference to proposal scenario 5

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCVH-LD	D6	LD	APP	HOUSTON, TX		
Undesireds:	KTDJ-LD	D5	LD	CP	DAYTON, TX	BLANK00000019131	25.8 km
	KIPS-LD	D6	LD	LIC	BEAUMONT, TX	BLDVL20130102AAX	148.3
	KZFW-LP	N6-	TX	CP	DALLAS, TX	BPTVL20140121ABD	363.2

	Service area		Terrain-limited		IX-free	Percent IX
14452.2	5,486,060	14452.2	5,486,060	14451.2	5,484,523	0.01 0.03

Undesired			Total IX		Unique IX	Prcnt Unique IX
KTDJ-LD D5 LD CP	1.0		1,537	1.0	1,537	0.01 0.03

-----  
Interference to proposal scenario 6

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCVH-LD	D6	LD	APP	HOUSTON, TX		
Undesireds:	KTDJ-LD	D5	LD	CP	DAYTON, TX	BLANK00000019131	25.8 km
	KIPS-LD	D6	LD	APP	BEAUMONT, TX	BPDVL20140113ADK	148.3
	KZFW-LP	N6-	TX	CP	DALLAS, TX	BPTVL20140121ABD	363.2

	Service area		Terrain-limited		IX-free	Percent IX
14452.2	5,486,060	14452.2	5,486,060	14446.2	5,483,919	0.04 0.04

Undesired			Total IX		Unique IX	Prcnt Unique IX
KTDJ-LD D5 LD CP	1.0		1,537	1.0	1,537	0.01 0.03
KIPS-LD D6 LD APP	5.0		604	5.0	604	0.03 0.01