

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: Hous3dFP, Model: Longley-Rice  
Start: 2018.05.16 07:58:24

Study created: 2018.05.16 07:58:21

Study build station data: LMS TV 2018-05-14

Proposal: KZHO-LD D3 LD APP HOUSTON, TX  
Facility ID: 130345  
Station data: User record  
Record ID: 696  
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	K02RA-D	D2	LD	CP	BEAUMONT, TX	BNPDVL20100610AFB	123.9 km
No	KODF-LD	D3	LD	APP	BRITTON, TX	BLANK0000051675	348.8
Yes	K03IJ-D	D3	LD	CP	COLLEGE STATION, TX	BNPDVL20091020AAI	133.2
No	KLAO-LD	D3	LD	LIC	CORPUS CHRISTI, TX	BLDVL20121227AEF	294.1
No	KLAO-LD	D3	LD	CP	CORPUS CHRISTI, TX	BDISDVL20110901AAA	294.1
No	K03IT-D	D3	LD	CP	ORANGE, TX	BNPDVL20100611AAA	169.5
Yes	KAHO-LD	D4	LD	LIC	WOODVILLE, TX	BLANK0000005451	7.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D3  
Mask: Full Service  
Latitude: 29 45 36.80 N (NAD83)  
Longitude: 95 21 49.70 W

Height AMSL: 323.0 m  
HAAT: 0.0 m  
Peak ERP: 3.00 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	303.5 m	67.2 km
45.0	3.00	309.8	67.5
90.0	3.00	313.8	67.8
135.0	3.00	312.8	67.7
180.0	3.00	310.1	67.6
225.0	3.00	308.1	67.4
270.0	3.00	307.8	67.4
315.0	3.00	302.3	67.1

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 309 m

Distance to Canadian border: 1739.1 km

Distance to Mexican border: 447.8 km

Conditions at FCC monitoring station: Kingsville TX  
Bearing: 224.3 degrees    Distance: 356.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 324.8 degrees    Distance: 1458.3 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%

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Interference to BNPDL20091020AAI CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K03IJ-D	D3	LD	CP	COLLEGE STATION, TX	BNPDVL20091020AAI	
Undesireds:	KZHO-LD	D3	LD	APP	HOUSTON, TX		133.2 km
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	1619.3 195,134		1617.3 195,089		1617.3 195,089	1598.3 195,007	1.17 0.04
Undesired			Total IX		Unique IX, before	Unique IX, after	
KZHO-LD D3 LD APP			19.0 82		19.0 82		

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Interference to BLANK0000005451 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KAHO-LD	D4	LD	LIC	WOODVILLE, TX	BLANK0000005451	
Undesireds:	KZHO-LD	D3	LD	APP	HOUSTON, TX		7.4 km
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	4804.7 4,545,689		4801.6 4,544,793		4801.6 4,544,793	4796.6 4,539,589	0.10 0.11
Undesired			Total IX		Unique IX, before	Unique IX, after	
KZHO-LD D3 LD APP			5.0 5,204		5.0 5,204		

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KZHO-LD	D3	LD	APP	HOUSTON, TX		
Undesireds:	KLAO-LD	D3	LD	LIC	CORPUS CHRISTI, TX	BLDVL20121227AEF	294.1 km

Service area		Terrain-limited		IX-free		Percent IX	
14284.9	5,602,915	14283.9	5,602,867	14283.9	5,602,867	0.00	0.00