

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: HOUSTONTX2D3KWDIR200TTP, Model: Longley-Rice

Start: 2020.02.14 10:36:07

Study created: 2020.02.14 10:36:07

Study build station data: LMS TV 2020-02-14

Proposal: KLNK-LD D2 LD APP HOUSTON, TX

Facility ID: 125128

Station data: User record

Record ID: 1316

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	K02QB	N2-	TX	LIC	ALEXANDRIA, LA	BLTVL20080125ADH	290.4 km
No	K02RA-D	D2	LD	CP	BEAUMONT, TX	BLANK0000071735	112.0
No	KSFW-LD	D2	LD	LIC	DALLAS, TX	BLANK0000001483	305.1
No	KNCD-LP	N2z	TX	LIC	Lufkin, TX	BLTVL19930430IA	161.3
No	KNHB-LP	D2-	LD	CP	UVALDE, TX	BLANK0000004806	407.8
No	K03IJ-D	D3	LD	CP	COLLEGE STATION, TX	BNPDVL20091020AAI	111.8
Yes	KZHO-LD	D3	LD	CP	HOUSTON, TX	BLANK0000054252	57.0
No	K03IT-D	D3	LD	CP	ORANGE, TX	BNPDVL20100611AAA	153.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D2

Mask: Stringent

Latitude: 30 15 45.40 N (NAD83)

Longitude: 95 14 47.90 W  
Height AMSL: 347.5 m  
HAAT: 0.0 m  
Peak ERP: 3.00 kW  
Antenna: SCA-CA2 (ID 89783) 200.0 deg  
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.176 kW	291.4 m	43.6 km
45.0	0.159	301.0	43.4
90.0	0.015	309.1	28.2
135.0	0.215	314.9	46.3
180.0	2.51	314.3	66.3
225.0	2.23	308.0	64.9
270.0	0.108	300.7	40.6
315.0	0.021	291.6	29.5

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 304 m

Distance to Canadian border: 1687.5 km

Distance to Mexican border: 504.1 km

Conditions at FCC monitoring station: Kingsville TX  
Bearing: 220.0 degrees    Distance: 405.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 323.2 degrees    Distance: 1419.8 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 BLANK0000054252 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KZHO-LD	D3	LD	CP	HOUSTON, TX	BLANK0000054252	
Undesireds:	KLNK-LD	D2	LD	APP	HOUSTON, TX		57.0 km
	KLAO-LD	D3	LD	LIC	CORPUS CHRISTI, TX	BLDVL20121227AEF	294.1
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
14203.4	5,599,536	14203.4	5,599,536	14203.4	5,599,536	13928.0 5,574,405	1.94 0.45
Undesired				Total IX	Unique IX, before	Unique IX, after	
KLNK-LD D2 LD APP				275.4 25,131		275.4 25,131	

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Interference to proposal scenario 1  
19.82% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KLNK-LD	D2	LD	APP	HOUSTON, TX		
Undesireds:	K02RA-D	D2	LD	CP	BEAUMONT, TX	BLANK0000071735	112.0 km
	KZHO-LD	D3	LD	CP	HOUSTON, TX	BLANK0000054252	57.0
Service area		Terrain-limited		IX-free		Percent IX	
6962.2	3,371,092	6959.2	3,371,079	6588.9	2,702,809	5.32 19.82	
Undesired				Total IX	Unique IX	Prcnt Unique IX	
K02RA-D D2 LD CP				10.0 63	10.0 63	0.14 0.00	
KZHO-LD D3 LD CP				360.3 668,207	360.3 668,207	5.18 19.82	