

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: BLANK0000054252, Model: Longley-Rice

Start: 2021.08.24 16:40:01

Study created: 2021.08.24 16:40:01

Study build station data: LMS TV 2021-08-24

Proposal: KZHO-LD D3 LD CP HOUSTON, TX

File number: BLANK0000054252

Facility ID: 130345

Station data: LMS TV 2021-08-24

Record ID: 25076f916360b30001636ed6eb232277

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	BLANK0000071735	127.0 km
Yes	KLNK-LD	D2	LD	LIC	GROVETON, TX	BLANK0000121226	30.7
No	KLNK-LD	D2	LD	CP	GROVETON, TX	BLANK0000132752	0.4
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	KODF-LD	D3	LD	LIC	Dallas, TX	BLANK0000113889	348.8
No	K03IT-D	D3	LD	CP	ORANGE, TX	BNPDVL20100611AAA	169.5
Yes	K03JE-D	D3	LD	CP	VICTORIA, TX	BLANK0000157417	187.9
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: 320.0 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	300.5 m	67.0 km
45.0	3.00	306.8	67.4
90.0	3.00	310.8	67.6
135.0	3.00	309.8	67.5
180.0	3.00	307.1	67.4
225.0	3.00	305.1	67.3
270.0	3.00	304.8	67.2
315.0	3.00	299.3	66.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 306 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%

Interference to BLANK0000121226 LIC scenario 1

**IX: 21.94% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	KLNK-LD	D2	LD	LIC	GROVETON, TX	BLANK0000121226			
Undesireds:	KZHO-LD	D3	LD	CP	HOUSTON, TX	BLANK0000054252	30.7 km		
	K02RA-D	D2	LD	CP	BEAUMONT, TX	BLANK0000071735	107.8		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
3935.5 3,495,102		3935.5 3,495,102		3933.5 3,495,095		3500.4 2,728,422	11.01 21.94		
Undesired				Total IX	Unique IX, before	Unique IX, after			
KZHO-LD D3 LD CP	433.1			766,673	433.1	766,673			
K02RA-D D2 LD CP	2.0			7	2.0	7			

Interference to BNPDVL20091020AAI 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	CP	HOUSTON, TX	BLANK0000054252	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 CP	19.0			82	19.0	82			

Interference to BLANK0000157417 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K03JE-D	D3	LD	CP	VICTORIA, TX	BLANK0000157417	
Undesireds:	KZHO-LD	D3	LD	CP	HOUSTON, TX	BLANK0000054252	187.9 km
	KLAO-LD	D3	LD	LIC	CORPUS CHRISTI, TX	BLDV20121227AEF	134.0
	K04SD-D	D4	LD	CP	VICTORIA, TX	BLANK0000157418	0.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
490.4	1,883	445.8	1,495	424.5	1,430	424.5 1,430	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KZHO-LD	D3 LD CP	1.0	0			0.0 0	
K04SD-D	D4 LD CP	21.3	65	21.3	65	20.3 65	

Interference to BLANK0000157417 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K03JE-D	D3	LD	CP	VICTORIA, TX	BLANK0000157417	
Undesireds:	KZHO-LD	D3	LD	CP	HOUSTON, TX	BLANK0000054252	187.9 km
	KLAO-LD	D3	LD	CP	CORPUS CHRISTI, TX	BDISDVL20110901AAA	134.0
	K04SD-D	D4	LD	CP	VICTORIA, TX	BLANK0000157418	0.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
490.4	1,883	445.8	1,495	415.4	1,397	415.4 1,397	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KZHO-LD	D3 LD CP	1.0	0			0.0 0	
KLAO-LD	D3 LD CP	9.1	33	9.1	33	9.1 33	
K04SD-D	D4 LD CP	21.3	65	21.3	65	20.3 65	

Interference to BLANK000005451 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired:	KAHO-LD	D4	LD	LIC	WOODVILLE, TX	BLANK0000005451	
Undesireds:	KZHO-LD	D3	LD	CP	HOUSTON, TX	BLANK00000054252	7.4 km
	K38NR-D	D4	LD	CP	ALEXANDRIA, LA	BLANK00000054926	323.6
	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	4,539,589	0.10 0.11
Undesired				Total IX	Unique IX, before	Unique IX, after	
KZHO-LD D3 LD CP		5.0		5,204		5.0 5,204	

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KZHO-LD	D3	LD	CP	HOUSTON, TX	BLANK00000054252	
Undesireds:	KLNK-LD	D2	LD	LIC	GROVETON, TX	BLANK0000121226	30.7 km
	KLAO-LD	D3	LD	LIC	CORPUS CHRISTI, TX	BLDVL20121227AEF	294.1
	Service area		Terrain-limited		IX-free	Percent IX	
	14203.4	5,599,536	14203.4	5,599,536	14161.2	5,579,134	0.30 0.36
Undesired				Total IX	Unique IX	Prcnt Unique IX	
KLNK-LD D2 LD LIC		42.2		20,402	42.2	20,402	0.30 0.36

Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KZHO-LD	D3	LD	CP	HOUSTON, TX	BLANK00000054252	
Undesireds:	KLAO-LD	D3	LD	LIC	CORPUS CHRISTI, TX	BLDVL20121227AEF	294.1 km
	Service area		Terrain-limited		IX-free	Percent IX	
	14203.4	5,599,536	14203.4	5,599,536	14203.4	5,599,536	0.00 0.00