



Kessler and Gehman Associates
Consultants • Broadcast • Wireless

Study created: 2022.07.11 20:44:17

Study build station data: LMS TV 2022-07-11

Proposal: KZHO-LD D3 LD LIC HOUSTON, TX
File number: KZHO-LD LIC
Facility ID: 130345
Station data: User record
Record ID: 2940
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	K02RA-D	D2	LD LIC	BEAUMONT, TX	BLANK0000179267	140.4 km
Yes	KLNK-LD	D2	LD LIC	GROVETON, TX	BLANK0000121226	31.1
No	KLNK-LD	D2	LD CP	GROVETON, TX	BLANK0000132752	0.0
Yes	K03IJ-D	D3	LD LIC	COLLEGE STATION, TX	BLANK0000179215	135.0
Yes	K03IJ-D	D3	LD CP	COLLEGE STATION, TX	BLANK0000184634	135.0
No	KLAO-LD	D3	LD LIC	CORPUS CHRISTI, TX	BLDVL20121227AEF	293.7
No	KLAO-LD	D3	LD CP	CORPUS CHRISTI, TX	BDISDVL20110901AAA	293.7
No	KODF-LD	D3	LD LIC	Dallas, TX	BLANK0000113889	348.8
Yes	K03JE-D	D3	LD LIC	VICTORIA, TX	BLANK0000158504	187.4
Yes	K03JE-D	D3	LD CP	VICTORIA, TX	BLANK0000190776	182.1
Yes	KAHO-LD	D4	LD LIC	WOODVILLE, TX	BLANK0000005451	7.6

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 30.00 N (NAD83)
Longitude: 95 22 5.00 W
Height AMSL: 317.0 m
HAAT: 302.3 m
Peak ERP: 2.99 kW
Antenna: Omnidirectional
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.99 kW	297.2 m	66.8 km
45.0	2.99	303.7	67.2
90.0	2.99	307.2	67.4
135.0	2.99	306.7	67.3
180.0	2.99	303.9	67.2
225.0	2.99	301.8	67.0
270.0	2.99	301.2	67.0
315.0	2.99	296.8	66.7

Distance to Canadian border: 1739.5 km

Distance to Mexican border: 447.4 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 224.2 degrees Distance: 355.7 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: 0.50 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

****IX check failure to BLANK0000121226 LIC scenario 1, 22.98% interference caused**
Proposal causes 1.92% interference to BLANK0000179215 LIC scenario 1
Proposal causes 0.33% interference to BLANK0000184634 CP scenario 1
Proposal causes no interference to BLANK0000158504 LIC
Proposal causes no interference to BLANK0000190776 CP
Proposal causes 0.06% interference to BLANK0000005451 LIC scenario 1

---- Below is IX received by proposal KZHO-LD LIC ----

Proposal receives 0.42% interference from scenario 1