

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: McAllen8d3kwFP, Model: Longley-Rice
Start: 2020.01.14 10:04:31

Study created: 2020.01.14 10:04:31

Study build station data: LMS TV 2020-01-14

Proposal: K08QJ-D D8 LD APP MCALLEN, TX
Facility ID: 130352
Station data: User record
Record ID: 1276
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	KIII	D8	DT	LIC	CORPUS CHRISTI, TX	BLCDT20060710ACO	170.0 km
No	KTMV-LP	N8	TX	LIC	CORPUS CHRISTI, TX	BLTTTL19970522JH	184.8
No	KUHT	D8	DT	CP	HOUSTON, TX	BLANK0000063824	454.9
No	KUHT	D8	DT	LIC	HOUSTON, TX	BLEDT20110718ACN	456.1
Yes	KGNS-TV	D8	DT	LIC	LAREDO, TX	BLCDT20090617ADS	220.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D8
Mask: Full Service
Latitude: 26 12 38.60 N (NAD83)

Longitude: 98 9 14.10 W
Height AMSL: 88.0 m
HAAT: 0.0 m
Peak ERP: 3.00 kW
Antenna: Omnidirectional
Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	59.2 m	37.7 km
45.0	3.00	62.6	38.4
90.0	3.00	62.6	38.5
135.0	3.00	61.9	38.3
180.0	3.00	60.3	37.9
225.0	3.00	57.8	37.4
270.0	3.00	50.3	35.3
315.0	3.00	53.3	36.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 58 m

Distance to Canadian border: 2219.3 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 15.0 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 11.0 degrees Distance: 139.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 338.8 degrees Distance: 1678.5 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 BLCDT20060710ACO LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	KIII	D8	DT	LIC	CORPUS CHRISTI, TX	BLCDT20060710ACO			
Undesireds:	K08QJ-D	D8	LD	APP	MCALLEN, TX		170.0 km		
	KUHT	D8	DT	CP	HOUSTON, TX	BLANK0000063824	294.6		
	KGNS-TV	D8	DT	LIC	LAREDO, TX	BLCDT20090617ADS	203.1		
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
38181.6	569,792	37810.7	566,989	37304.3	566,143	36512.2	566,036	2.12	0.02
Undesired	Total IX		Unique IX, before		Unique IX, after				
K08QJ-D D8 LD APP	807.2	107			792.1	107			
KUHT D8 DT CP	7.9	0	6.9	0	6.9	0			
KGNS-TV D8 DT LIC	499.4	846	498.5	846	484.4	846			

Interference to BLCDT20060710ACO LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	KIII	D8	DT	LIC	CORPUS CHRISTI, TX	BLCDT20060710ACO			
Undesireds:	K08QJ-D	D8	LD	APP	MCALLEN, TX		170.0 km		
	KUHT	D8	DT	LIC	HOUSTON, TX	BLEDT20110718ACN	296.0		
	KGNS-TV	D8	DT	LIC	LAREDO, TX	BLCDT20090617ADS	203.1		
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX		
38181.6	569,792	37810.7	566,989	37292.4	565,893	36500.3	565,786	2.12	0.02
Undesired	Total IX		Unique IX, before		Unique IX, after				
K08QJ-D D8 LD APP	807.2	107			792.1	107			
KUHT D8 DT LIC	19.8	250	18.8	250	18.8	250			

KGNS-TV D8 DT LIC 499.4 846 498.5 846 484.4 846

Interference to BLCDT20090617ADS LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KGNS-TV	D8	DT	LIC	LAREDO, TX	BLCDT20090617ADS	

Undesireds:	K08QJ-D	D8	LD	APP	MCALLEN, TX		220.9 km
	KIII	D8	DT	LIC	CORPUS CHRISTI, TX	BLCDT20060710ACO	203.1

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
15551.6	267,387	15204.4	260,887	13005.9	255,071	13002.9	255,071	0.02	0.00
12664.9	405,080	12490.4	405,011	11913.5	404,794	11912.5	404,794	0.01	0.00

(in Mexico)

Undesired		Total IX	Unique IX, before	Unique IX, after	
K08QJ-D D8 LD APP	84.3	100		3.0	0
K08QJ-D D8 LD APP	16.1	75		1.0	0 (in Mexico)
KIII D8 DT LIC	2198.5	5,816	2198.5	5,816	2117.2 5,716
KIII D8 DT LIC	576.9	217	576.9	217	561.8 142 (in Mexico)

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K08QJ-D	D8	LD	APP	MCALLEN, TX		

	Service area		Terrain-limited		IX-free		Percent IX
3101.2	795,623	3101.2	795,623	3101.2	795,623	0.00	0.00
1319.2	714,646	1319.2	714,646	1319.2	714,646	0.00	0.00 (in Mexico)