

tvstudy v2.2.2
Database: localhost, Study: KCRP 8.85 KW, Model: Longley-Rice
Start: 2017.07.01 13:33:26

Study created: 2017.07.01 13:33:19

Study build station data: LMS TV 2017-06-25 (12)

Proposal: KCRP-CD D17 DC APP CORPUS CHRISTI, TX
File number: KCRP 8.85 KW
Facility ID: 48833
Station data: User record
Record ID: 552
Country: U.S.

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
KMBH	D16	DT	BL	HARLINGEN, TX	DTVBL56079	190.9 km
KHCE-TV	D16	DT	LIC	SAN ANTONIO, TX	BLEDT20110215AEM	186.0
KNCT	D17	DT	BL	BELTON, TX	DTVBL9754	355.2
KNVO	D17	DT	BL	MCALLEN, TX	DTVBL69692	200.9
KNIC-DT	D18	DT	LIC	BLANCO, TX	BLCDT20091019ADG	237.6
KGBT-TV	D18	DT	BL	HARLINGEN, TX	DTVBL34457	187.9

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

NEW 830 DAN D CORPUS CHRISTI, TX
NEW 830 DAN N CORPUS CHRISTI, TX

Record parameters as studied:

Channel: D17
Mask: Stringent
Latitude: 27 47 47.00 N (NAD83)
Longitude: 97 23 48.00 W
Height AMSL: 107.2 m
HAAT: 0.0 m
Peak ERP: 8.85 kW
Antenna: DIE-TLP-8B-VP 0.0 deg

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	8.85 kW	98.8 m	42.2 km
45.0	7.14	104.8	41.8
90.0	3.87	107.2	39.0
135.0	2.96	106.8	37.6
180.0	3.68	99.3	37.9
225.0	3.03	97.1	36.7
270.0	3.74	93.8	37.3
315.0	7.03	103.2	41.6

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 101 m

Proposal service area is within baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 2032.1 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 197.1 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 230.7 degrees Distance: 62.1 km
ERP: 2.96 kW Field strength: 44.0 dBu, 0.2 mV/m

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 334.3 degrees Distance: 1546.5 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

Study cell size: 2.00 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 DTVBL56079 BL, scenario 1
Proposal causes no interference.

Interference to BLEDT20110215AEM LIC, scenario 1
Proposal causes no interference.

Interference to BLEDT20110215AEM LIC, scenario 2
Proposal causes no interference.

Interference to DTVBL9754 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL9754 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL69692 BL, scenario 1
Proposal causes no interference.

Interference to BLCDT20091019ADG LIC, scenario 1
Proposal causes no interference.

Interference to BLCDT20091019ADG LIC, scenario 2
Proposal causes no interference.

Interference to DTVBL34457 BL, scenario 1
Proposal causes no interference.

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCRP-CD	D17	DC	APP	CORPUS CHRISTI, TX	KCRP 8.85 KW	
Undesireds:	KNVO	D17	DT	BL	MCALLEN, TX	DTVBL69692	200.9 km
	Service area			Terrain-limited		IX-free	Percent IX
	4864.3	399,710		4864.3	399,710	4864.3	0.00 0.00