

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: KCRP-CD CP Mod App, Model: Longley-Rice
Start: 2018.10.12 15:27:45

Study created: 2018.10.12 15:27:44

Study build station data: LMS TV 2018-10-12

Proposal: KCRP-CD D17 DC CP CORPUS CHRISTI, TX
File number: KCRP-CD CP Mod App
Facility ID: 48833
Station data: User record
Record ID: 2278
Country: U.S.

Build options:
Protect LPTV records from Class A

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KXCC-LP	D16	LD	CP	CORPUS CHRISTI, TX	BDCCDTL20150112AAA	5.9 km
No	KMBH	D16	DT	CP	HARLINGEN, TX	BLANK0000028643	187.0
No	KMBH	D16	DT	BL	HARLINGEN, TX	DTVBL56079	186.9
No	KHCE-TV	D16	DT	APP	SAN ANTONIO, TX	BLANK0000035698	186.5
No	KHCE-TV	D16	DT	LIC	SAN ANTONIO, TX	BLEDT20110215AEM	186.5
No	KNCT	D17	DT	CP	BELTON, TX	BLANK0000028609	357.9
No	KNCT	D17	DT	BL	BELTON, TX	DTVBL9754	357.9
No	KEAP-LP	D17-	LD	CP	EAGLE PASS, TX	BLANK0000004471	311.5
No	K17GZ	N17z	TX	LIC	HARPER, TX	BLTTL20070507AEW	333.8
No	K17KY-D	D17	LD	CP	JUNCTION, TX	BNPDTL20100406ABP	372.8
No	NEW	D17	LD	APP	LAREDO, TX	BNPDTL20090825CBO	200.9
No	KNVO	D17	DT	CP	MCALLEN, TX	BLANK0000034467	196.5
No	KNVO	D17	DT	BL	MCALLEN, TX	DTVBL69692	196.5
No	K17MJ-D	D17	LD	LIC	SAN ANTONIO, TX	BLANK0000032609	212.6
No	K17GL	N17+	TX	LIC	UVALDE, TX	BLTTL20060331AIK	279.1
Yes	KMOL-LD	D17	LD	LIC	VICTORIA, TX	BLDTL20111219ADT	123.7
No	KNIC-DT	D18	DT	LIC	BLANCO, TX	BLCDT20091019ADG	238.0
Yes	KCCX-LP	D18	LD	CP	CORPUS CHRISTI, TX	BDISDTL20140507ACB	2.4
No	K18KN-D	D18	LD	CP	HALLETTSVILLE, TX	BMJADTL20100524AGN	203.3
No	KGBT-TV	D18	DT	CP	HARLINGEN, TX	BLANK0000034374	183.9
No	KGBT-TV	D18	DT	BL	HARLINGEN, TX	DTVBL34457	183.9
No	NEW	D18	LD	APP	LAREDO, TX	BMJADTL20100524AIH	123.7
No	KCCX-LP	N24-	TX	LIC	CORPUS CHRISTI, TX	BLTTL20140226ACY	2.4
No	XHFN	D17	DT	LIC	MONTERREY, NL	BLANKBPFS20160309AAU	371.7
No	XEFE	D17	DT	LIC	NUEVO LAREDO, TA	BLANKBPFS20130220AAF	207.1

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:
KEYS 1440 L DAN D CORPUS CHRISTI, TX BL
KEYS 1440 L DAN N CORPUS CHRISTI, TX BL

Record parameters as studied:

Channel: D17
Mask: Full Service
Latitude: 27 46 11.10 N (NAD83)
Longitude: 97 26 55.90 W
Height AMSL: 107.5 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: ERI-ALP12L6-HSER 47.5 deg
Elev Pattern: Generic
Elec Tilt: 1.50

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	14.7 kW	100.6 m	44.9 km
45.0	15.0	105.6	45.6
90.0	14.9	105.2	45.5
135.0	8.38	100.2	42.1
180.0	0.984	99.6	31.2
225.0	0.312	96.2	24.9
270.0	0.500	93.2	27.0
315.0	7.34	101.5	41.6

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 100 m

Distance to Canadian border: 2037.5 km

**Proposal is within coordination distance of Mexican border
Distance to Mexican border: 193.2 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 229.7 degrees Distance: 56.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 334.5 degrees Distance: 1546.9 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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 BLDLTL20111219ADT LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KMOL-LD	D17	LD	LIC	VICTORIA, TX	BLDTL20111219ADT	
Undesireds:	KCRP-CD	D17	DC	BL	CORPUS CHRISTI, TX	DTVBL48833	119.6 km
	KCRP-CD	D17	DC	CP	CORPUS CHRISTI, TX	KCRP-CD CP Mod App	123.7
	KHCE-TV	D16	DT	APP	SAN ANTONIO, TX	BLANK0000035698	120.4
	KNCT	D17	DT	CP	BELTON, TX	BLANK0000028609	242.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
10749.1	148,794	10748.1	148,794	10746.1	148,794	10746.1 148,794	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
KCRP-CD D17 DC BL		0.0	0	0.0	0		
KCRP-CD D17 DC CP		1.0	0			0.0 0	
KNCT D17 DT CP		2.0	0	2.0	0	1.0 0	

Interference to BDISDTL20140507ACB CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCCX-LP	D18	LD	CP	CORPUS CHRISTI, TX	BDISDTL20140507ACB	
Undesireds:	KCRP-CD	D17	DC	BL	CORPUS CHRISTI, TX	DTVBL48833	5.3 km
	KCRP-CD	D17	DC	CP	CORPUS CHRISTI, TX	KCRP-CD CP Mod App	2.4
	KSCC	D19	DT	CP	CORPUS CHRISTI, TX	BLANK0000027434	15.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
1548.7	276,069	1548.7	276,069	1286.1	265,392	1498.8 268,151	-16.54 -1.04
Undesired		Total IX		Unique IX, before		Unique IX, after	
KCRP-CD D17 DC BL		262.6	10,677	252.7	8,857		
KCRP-CD D17 DC CP		49.9	7,918			39.9 6,098	
KSCC D19 DT CP		10.0	1,820	0.0	0	0.0 0	

Interference to BDISDTL20140507ACB CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCCX-LP	D18	LD	CP	CORPUS CHRISTI, TX	BDISDTL20140507ACB	
Undesireds:	KCRP-CD	D17	DC	BL	CORPUS CHRISTI, TX	DTVBL48833	5.3 km
	KCRP-CD	D17	DC	CP	CORPUS CHRISTI, TX	KCRP-CD CP Mod App	2.4
	KSCC	D19	DT	APP	CORPUS CHRISTI, TX	BLANK0000035702	15.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
1548.7	276,069	1548.7	276,069	1161.9	265,384	1320.8 268,036	-13.67 -1.00

Undesired		Total IX	Unique IX, before	Unique IX, after
KCRP-CD D17 DC BL	262.6	10,677	163.8	5,659
KCRP-CD D17 DC CP	49.9	7,918		5.0
KSCC D19 DT APP	223.0	5,026	124.1	8
				178.1
				3,007
				115

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCRP-CD	D17	DC	CP	CORPUS CHRISTI, TX	KCRP-CD CP Mod App	
Undesireds:	KNVO	D17	DT	CP	MCALLEN, TX	BLANK0000034467	196.5 km
	Service area		Terrain-limited		IX-free	Percent IX	
	4638.4	393,533	4638.4	393,533	4638.4	393,533	0.00 0.00