tvstudy v2.2.3 (Dxtpx3)
Database: localhost, Study: KCRP-CD 15 kW DA (1049), Model: Longley-Rice
Start: 2017.10.05 16:06:33

Study created: 2017.10.05 16:05:20

Study build station data: LMS TV 2017-10-03 (33)

    Proposal: KCRP-CD D17 DC APP CORPUS CHRISTI, TX
 File number: KCRP-CD 15 kW DA
 Facility ID: 48833
Station data: User record
   Record ID: 1012
     Country: U.S.

Build options:
Protect LPTV records from Class A

Search options:
Non-U.S. records included
Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
KMOL-LD	D17	LD	LIC	VICTORIA, TX	BLDTL20111219ADT	119.6 km
KCCX-LP	D18	LD	CP	CORPUS CHRISTI, TX	BDISDTL20140507ACB	5.3

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: 15.0 kW
    Antenna: DIE-TLP-8B/VP (ID 1001821) 0.0 deg
Elev Pattrn: Generic
  Elec Tilt: 1.5

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	98.8 m	44.8 km
45.0	12.1	104.8	44.4
90.0	6.55	107.2	41.7
135.0	5.02	106.8	40.3
180.0	6.24	99.3	40.6
225.0	5.14	97.1	39.3
270.0	6.34	93.8	40.0
315.0	11.9	103.2	44.2

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

**Proposal service area extends beyond 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

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: 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 BLDTL20111219ADT 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	APP	CORPUS CHRISTI, TX	KCRP-CD 15 kW DA	119.6
	KNCT	D17	DT	CP	BELTON, TX	BLANK0000028609	242.8
	K17MJ-D	D17	LD	CP	SAN ANTONIO, TX	BLANK0000024612	149.5

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	10744.1	148,640	0.02	0.10

Undesired	Total IX	Unique IX, before		Unique IX, after	
KCRP-CD D17 DC BL	0.0	0	0.0	0	
KCRP-CD D17 DC APP	2.0	154		2.0	154
KNCT D17 DT CP	2.0	0	2.0	0	2.0	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	APP	CORPUS CHRISTI, TX	KCRP-CD 15 kW DA	5.3
	KUQI	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	1234.1	265,376	4.04	0.01

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 APP	314.6	10,693		304.6	8,873
KUQI D19 DT CP	10.0	1,820	0.0	0	0.0	0

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KCRP-CD	D17	DC	APP	CORPUS CHRISTI, TX	KCRP-CD 15 kW DA	
Undesireds:	KNVO	D17	DT	CP	MCALLEN, TX	BLANK0000028387	201.0 km

Service area		Terrain-limited		IX-free		Percent IX	
5524.3	407,929	5524.3	407,929	5524.3	407,929	0.00	0.00