

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: BLANK0000151381 #670, Model: Longley-Rice
Start: 2024.03.04 12:36:24

Study created: 2024.03.04 12:36:23

Study build station data: LMS TV 2024-02-29

Proposal: K16NN-D D16 LD LIC LAREDO, TX
File number: BLANK0000151381
Facility ID: 182183
Station data: User record
Record ID: 461
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
No	KLMV-LD	D15	LD	LIC	LAREDO, TX	BLDTL20110706ABB	0.0 km
No	KVDA	D15	DT	LIC	SAN ANTONIO, TX	BLANK0000113393	232.2
No	KVDA	D15	DT	LIC	SAN ANTONIO, TX	BLANK0000237603	232.2
No	KADT-LD	D16	LD	LIC	AUSTIN, TX	BLDTL20140926AGY	353.3
No	KBTX-TV	D16	DT	LIC	BRYAN, TX	BLANK0000112137	478.0
No	KXCC-LD	D16	LD	CP	CORPUS CHRISTI, TX	BLANK0000203596	206.0
No	KXCC-LD	D16	LD	LIC	CORPUS CHRISTI, TX	BLANK0000218484	206.0
No	KXCC-LD	D16	LD	LIC	CORPUS CHRISTI, TX	BLANK0000075141	180.7
No	K16LD-D	D16	LD	LIC	DEL RIO, TX	BLANK0000179366	242.9
No	K16LD-D	D16	LD	CP	DEL RIO, TX	BMJADTL20100517AAY	242.9
No	KFXV	D16	DT	LIC	HARLINGEN, TX	BLANK0000113281	229.8
No	KSAN-TV	D16	DT	LIC	SAN ANGELO, TX	BLANK0000004868	464.0
No	KHCE-TV	D16	DT	LIC	SAN ANTONIO, TX	BLANK0000216413	232.0
No	DK17GL	D16	LD	APP	UVALDE, TX	BDISDTL20090630ABK	204.6
No	DK17GL	D16	LD	APP	UVALDE, TX	BMPDTL20101201ABN	204.6
No	KCRP-CD	D17	DC	LIC	CORPUS CHRISTI, TX	BLANK0000068614	206.0
No	DDKEAP-LP	D17-	LD	APP	EAGLE PASS, TX	BLANK0000004471	162.8
Yes	K17OS-D	D17	LD	LIC	LAREDO, TX	BLANK0000219862	15.7
No	KNVO	D17	DT	LIC	MCALLEN, TX	BLANK0000107949	215.5
No	LICITACIOND	D15	DT	LIC	CIUDAD ACUNA, CI	BLANKBPFS20131206AEK	238.5
No	XEFB	D15	DT	LIC	MONTERREY, NL	BLANKBPFS20160309AAI	221.9
No	XHVTV	D15	DT	LIC	EL CONTROL, TA	BLANKBPFS20160318AAF	238.0
Yes	XHOPMT	D16	DT	LIC	MONTERREY, NL	BLANKBPFS20160309AAT	225.4
No	XHFN	D17	DT	LIC	MONTERREY, NL	BLANKBPFS20160309AAU	225.6
Yes	XEFE	D17	DT	LIC	NUEVO LAREDO, TA	BLANKBPFS20130220AAF	7.5

Non-directional AM stations within 0.8 km:
KLAR 1300 L ND2 D LAREDO, TX BL19991228AAV
KLAR 1300 L ND2 N LAREDO, TX BL19991228AAV

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D16
Mask: Stringent
Latitude: 27 31 28.90 N (NAD83)
Longitude: 99 31 20.80 W
Height AMSL: 242.0 m
HAAT: 0.0 m
Peak ERP: 3.50 kW
Antenna: Omnidirectional
Elev Pattn: Generic

48.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.50 kW	95.6 m	37.4 km
45.0	3.50	87.2	36.3
90.0	3.50	89.2	36.5
135.0	3.50	94.9	37.3
180.0	3.50	109.2	38.8
225.0	3.50	86.0	36.1
270.0	3.50	87.9	36.4
315.0	3.50	109.1	38.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 95 m

Distance to Canadian border: 2183.4 km

****Proposal is within coordination distance of Mexican border**

Distance to Mexican border: 0.2 km

Conditions at FCC monitoring station: Kingsville TX

Bearing: 92.9 degrees Distance: 161.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 340.9 degrees Distance: 1494.6 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 BLANK0000219862 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K17OS-D	D17	LD LIC	LAREDO, TX	BLANK0000219862	
Undesireds:	K16NN-D	D16	LD LIC	LAREDO, TX	BLANK0000151381	15.7 km
	KNVO	D17	DT LIC	MCALLEN, TX	BLANK0000107949	200.4
	XEFE	D17	DT LIC	NUEVO LAREDO, TA	BLANKBPFS20130220AAF	9.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
84.1 52,574	81.1 52,574	17.0 3,062	17.0 3,062	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K16NN-D D16 LD LIC	26.0	36,251	0.0 0
KNVO D17 DT LIC	7.0	18,209 0.0 0	0.0 0
XEFE D17 DT LIC	64.1	49,512 57.0 31,303	38.1 13,261

Interference to BLANKBPFS20160309AAT LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	XHOPMT	D16	DT LIC	MONTERREY, NL	BLANKBPFS20160309AAT	
Undesireds:	K16NN-D	D16	LD LIC	LAREDO, TX	BLANK0000151381	225.4 km
	KFXV	D16	DT LIC	HARLINGEN, TX	BLANK0000113281	255.6
	XEFB	D15	DT LIC	MONTERREY, NL	BLANKBPFS20160309AAI	8.3
	XHFN	D17	DT LIC	MONTERREY, NL	BLANKBPFS20160309AAU	0.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
15733.4 4,361,788	12017.9 4,237,817	10320.0 4,117,712	10309.1 4,117,700	0.10 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K16NN-D D16 LD LIC	30.5	14	10.8 12
KFXV D16 DT LIC	845.0	64,967 109.6 16,933	93.9 16,931
XEFB D15 DT LIC	1550.7	100,220 762.9 52,136	761.0 52,136
XHFN D17 DT LIC	136.6	3,471 32.7 2,952	31.7 2,952

Interference to BLANKBPFS20130220AAF LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	XEFE	D17	DT LIC	NUEVO LAREDO, TA	BLANKBPFS20130220AAF	

Undesireds:	K16NN-D	D16	LD LIC	LAREDO, TX	BLANK0000151381	7.5 km
	KNVO	D17	DT LIC	MCALLEN, TX	BLANK0000107949	210.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
4919.9 249,788	4906.9 249,722	4501.7 249,696	4500.7 249,696	0.02 0.00 (in U.S.)
3864.6 386,381	3861.6 386,381	3596.1 385,621	3594.1 385,621	0.06 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
K16NN-D D16 LD LIC	13.0	0	1.0 0 (in U.S.)
K16NN-D D16 LD LIC	13.0	87	2.0 0

KNVO D17 DT LIC	405.2	26	405.2	26	393.2	26 (in U.S.)
KNVO D17 DT LIC	265.4	760	265.4	760	254.4	673

Interference to proposal scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K16NN-D	D16	LD LIC	LAREDO, TX		BLANK0000151381

Undesireds:	KLMV-LD	D15	LD LIC	LAREDO, TX	BLDTL20110706ABB	0.0 km
	KXCC-LD	D16	LD CP	CORPUS CHRISTI, TX	BLANK0000203596	206.0
	K16LD-D	D16	LD LIC	DEL RIO, TX	BLANK0000179366	242.9
	KHCE-TV	D16	DT LIC	SAN ANTONIO, TX	BLANK0000216413	232.0
	DK17GL	D16	LD APP	UVALDE, TX	BDISDTL20090630ABK	204.6
	XEFE	D17	DT LIC	NUEVO LAREDO, TA	BLANKBPFS20130220AAF	7.5

Service area		Terrain-limited		IX-free		Percent IX	
2593.6	248,695	2593.6	248,695	2570.6	248,695	0.89	0.00
1805.7	384,641	1805.7	384,641	1798.6	384,502	0.39	0.04 (in Mexico)

Undesired	Total IX		Unique IX		Prent Unique IX		
KLMV-LD D15 LD LIC	19.0	0	19.0	0	0.73	0.00	
KLMV-LD D15 LD LIC	4.0	2	4.0	2	0.22	0.00	(in Mexico)
KHCE-TV D16 DT LIC	3.0	0	3.0	0	0.12	0.00	
XEFE D17 DT LIC	1.0	0	1.0	0	0.04	0.00	
XEFE D17 DT LIC	3.0	137	3.0	137	0.17	0.04	(in Mexico)