tvstudy v2.2.2
Database: localhost, Study: KHPZ, Model: Longley-Rice
Start: 2017.07.03 12:32:14

Study created: 2017.07.03 12:31:49

Study build station data: LMS TV 2017-06-28 (31)

    Proposal: KHPZ-CD D25 DC BL ROUND ROCK, TX
 File number: DTVBL35910
 Facility ID: 35910
Station data: User record
   Record ID: 1138
     Country: U.S.

Non-U.S. records included

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
KXLK-CD	D24	DC	BL	AUSTIN, TX	DTVBL48836	33.7 km
KXAS-TV	D24	DT	BL	FORT WORTH, TX	DTVBL49330	230.0
KETH-TV	D24	DT	LIC	HOUSTON, TX	BLEDT20101019ABX	236.3
KNIC-CD	D24	DC	BL	SAN ANTONIO, TX	DTVBL48837	153.1
KPXD-TV	D25	DT	BL	ARLINGTON, TX	DTVBL68834	225.8
KYAZ	D25	DT	BL	KATY, TX	DTVBL31870	236.8
K27LF-D	D25	DC	CP	SAN ANTONIO, TX	BLANK0000024497	158.5
K27LF-D	D25	DC	BL	SAN ANTONIO, TX	DTVBL24570	158.5
KRIV	D26	DT	LIC	HOUSTON, TX	BLCDT20111212AHM	237.5
KPXL-TV	D26	DT	LIC	UVALDE, TX	BLCDT20090612AHU	172.5
KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	88.4
XHHE	D25	DT	LIC	CIUDAD ACUNA, CI	BLANKBPFS20110927ACL	346.6
XHBR	D25	DT	LIC	NUEVO LAREDO, TA	BLANKBPFS20080923AAT	394.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D25
       Mask: Full Service
   Latitude: 30 36 5.00 N (NAD83)
  Longitude: 97 39 35.00 W
Height AMSL: 395.1 m
       HAAT: 160.0 m
   Peak ERP: 0.085 kW
    Antenna: TLP-16B (ID 16531) 195.0 deg

49.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.038 kW	176.9 m	19.3 km
45.0	0.035	177.9	19.0
90.0	0.033	175.6	18.5
135.0	0.057	191.6	22.1
180.0	0.083	165.1	22.5
225.0	0.077	144.9	20.8
270.0	0.047	107.7	15.9
315.0	0.031	139.8	15.6

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

Distance to Canadian border: 1805.7 km

Distance to Mexican border: 335.1 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 183.6 degrees Distance: 351.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 329.2 degrees Distance: 1259.5 km

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 DTVBL48836 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL48836 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL49330 BL, scenario 1
Proposal causes no interference.

Interference to BLEDT20101019ABX LIC, scenario 1
Proposal causes no interference.

Interference to DTVBL48837 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL48837 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL68834 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL68834 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL68834 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL68834 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL31870 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL31870 BL, scenario 2
Proposal causes no interference.

Interference to BLANK0000024497 CP, scenario 1

Proposal causes no interference.

Interference to DTVBL24570 BL, scenario 1

Proposal causes no interference.

Interference to BLCDT20111212AHM LIC, scenario 1

Proposal causes no interference.

Interference to BLCDT20111212AHM LIC, scenario 2

Proposal causes no interference.

Interference to BLCDT20111212AHM LIC, scenario 3

Proposal causes no interference.

Interference to BLCDT20111212AHM LIC, scenario 4

Proposal causes no interference.

Interference to BLCDT20090612AHU LIC, scenario 1

Proposal causes no interference.

Interference to BLCDT20090612AHU LIC, scenario 2

Proposal causes no interference.

Interference to BLCDT20090612AHU LIC, scenario 3

Proposal causes no interference.

Interference to BLCDT20090612AHU LIC, scenario 4

Proposal causes no interference.

Interference to BLCDT20050630AFE LIC, scenario 1

Proposal causes no interference.

Interference to BLCDT20050630AFE LIC, scenario 2

Proposal causes no interference.

Interference to BLCDT20050630AFE LIC, scenario 3

Proposal causes no interference.

Interference to BLCDT20050630AFE LIC, scenario 4

Proposal causes no interference.

Interference to BLANKBPFS20110927ACL LIC, scenario 1

Proposal causes no interference.

Interference to BLANKBPFS20110927ACL LIC, scenario 2

Proposal causes no interference.

Interference to BLANKBPFS20080923AAT LIC, scenario 1

Proposal causes no interference.

Interference to BLANKBPFS20080923AAT LIC, scenario 2

Proposal causes no interference.

Interference to proposal, scenario 1

1.69% interference

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KHPZ-CD	D25	DC	BL	ROUND ROCK, TX	DTVBL35910	
Undesireds:	KXLK-CD	D24	DC	BL	AUSTIN, TX	DTVBL48836	33.7 km
	KPXD-TV	D25	DT	BL	ARLINGTON, TX	DTVBL68834	225.8
	KYAZ	D25	DT	BL	KATY, TX	DTVBL31870	236.8
	K27LF-D	D25	DC	CP	SAN ANTONIO, TX	BLANK0000024497	158.5
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	88.4

Service area		Terrain-limited		IX-free		Percent IX	
1176.3	441,885	1176.3	441,885	1172.3	434,422	0.34	1.69

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KXLK-CD D24 DC BL	4.0	7,463	0.0	0	0.00	0.00
KYAZ D25 DT BL	4.0	7,463	0.0	0	0.00	0.00

Interference to proposal, scenario 2

1.69% interference

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KHPZ-CD	D25	DC	BL	ROUND ROCK, TX	DTVBL35910	
Undesireds:	KXLK-CD	D24	DC	BL	AUSTIN, TX	DTVBL48836	33.7 km
	KPXD-TV	D25	DT	BL	ARLINGTON, TX	DTVBL68834	225.8
	KYAZ	D25	DT	BL	KATY, TX	DTVBL31870	236.8
	K27LF-D	D25	DC	BL	SAN ANTONIO, TX	DTVBL24570	158.5
	KXXV	D26	DT	LIC	WACO, TX	BLCDT20050630AFE	88.4

Service area		Terrain-limited		IX-free		Percent IX	
1176.3	441,885	1176.3	441,885	1172.3	434,422	0.34	1.69

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KXLK-CD D24 DC BL	4.0	7,463	0.0	0	0.00	0.00
KYAZ D25 DT BL	4.0	7,463	0.0	0	0.00	0.00