

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Killeen15d100wSAM320T, Model: Longley-Rice

Start: 2022.07.20 09:31:26

Study created: 2022.07.20 09:31:26

Study build station data: LMS TV 2022-07-19

Proposal: KZAU-LD D15 LD APP KILLEEN, TX

Facility ID: 130357

Station data: User record

Record ID: 861

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KXLK-CD	D14	DC	LIC	AUSTIN, TX	BLANK0000116332	36.7 km
No	KXLK-CD	D14	DC	LIC	AUSTIN, TX	BLANK0000123233	36.7
No	K14TB-D	D14	LD	CP	COLLEGE STATION, TX	BLANK0000116855	158.4
No	KERA-TV	D14	DT	LIC	DALLAS, TX	BLEDT20140903AFQ	229.4
No	KWTC-LD	D14-	LD	LIC	KERRVILLE, TX	BLANK0000036258	97.0
No	K10PL-D	D14	LD	CP	VICTORIA, TX	BLANK0000054196	154.9
No	KXVA	D15	DT	LIC	ABILENE, TX	BLCDT20110520ADO	241.7
No	KFDM	D15	DT	LIC	BEAUMONT, TX	BLANK0000063111	380.5
No	KRHD-CD	D15	DC	LIC	BRYAN, TX	BLANK0000108095	137.9
No	KVVV-LD	D15	LD	LIC	HOUSTON, TX	BLANK0000143124	259.3
No	KHPL-CD	D15	DC	LIC	LA GRANGE, TX	BLANK0000074892	127.5
No	KLMV-LD	D15	LD	LIC	LAREDO, TX	BLDTL20110706ABB	380.6
No	DKEID-LD	D15	LD	LIC	LUFKIN, TX	BLANK0000001090	320.7
No	KYTX	D15	DT	LIC	NACOGDOCHES, TX	BLANK0000071581	302.4
No	KMLM-DT	D15	DT	LIC	ODESSA, TX	BLANK0000064406	445.6
No	KVDA	D15	DT	LIC	SAN ANTONIO, TX	BLANK0000113393	153.8
No	DDKMXU-LP	D15	LD	APP	SAN ANTONIO, TX	BDFCDTL20090909ABX	145.6
No	KVHC-LD	N15-	TX	LIC	SAN ANTONIO, TX	BLTTL20040212AAR	134.7

No	K15JR-D	D15	LD	CP	SONORA, TX	BNPDTL20100406ABU	224.5
No	K24OJ-D	N15-	TX	LIC	UVALDE, TX	BLTT19970127JB	245.5
No	KVTX-LD	D15	LD	LIC	VICTORIA, TX	BLANK0000118288	213.5
No	KJTL	D15	DT	LIC	WICHITA FALLS, TX	BLCDT20090303ACS	402.9
Yes	KADT-LD	D16	LD	LIC	AUSTIN, TX	BLDTL20140926AGY	37.0
No	KBTX-TV	D16	DT	LIC	BRYAN, TX	BLANK0000112137	179.5
No	KSAN-TV	D16	DT	LIC	SAN ANGELO, TX	BLANK0000004868	264.4
No	KHCE-TV	D16	DT	CP	SAN ANTONIO, TX	BLANK0000035698	154.2
No	KHCE-TV	D16	DT	LIC	SAN ANTONIO, TX	BLEDT20110215AEM	154.2
No	DK17GL	D16	LD	APP	UVALDE, TX	BDISDTL20090630ABK	218.0
No	DK17GL	D16	LD	APP	UVALDE, TX	BMPDTL20101201ABN	218.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D15
 Mask: Full Service
 Latitude: 30 38 37.00 N (NAD83)
 Longitude: 97 54 18.00 W
 Height AMSL: 325.0 m
 HAAT: 0.0 m
 Peak ERP: 0.100 kW
 Antenna: SAM-SAM-460 (ID 1004146) 320.0 deg
 Elev Pattnr: Generic

48.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.002 kW	21.3 m	4.1 km
45.0	0.000	37.2	2.5
90.0	0.000	37.8	2.5
135.0	0.000	38.8	2.5
180.0	0.000	24.4	2.5
225.0	0.000	-10.4	2.5
270.0	0.000	-29.7	1.5
315.0	0.089	-8.0	10.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 14 m

Distance to Canadian border: 1818.0 km

Distance to Mexican border: 317.3 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 179.7 degrees Distance: 355.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 329.9 degrees Distance: 1243.5 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 BLDTL20140926AGY LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KADT-LD	D16	LD	LIC	AUSTIN, TX	BLDTL20140926AGY	
Undesireds:	KZAU-LD	D15	LD	APP	KILLEEN, TX		37.0 km
	KBTX-TV	D16	DT	LIC	BRYAN, TX	BLANK0000112137	171.4
	K16LD-D	D16	LD	LIC	DEL RIO, TX	BLANK0000179366	313.5
	KSAN-TV	D16	DT	LIC	SAN ANGELO, TX	BLANK0000004868	289.9

KHCE-TV	D16	DT	CP	SAN ANTONIO, TX	BLANK0000035698	123.0
DK17GL	D16	LD	APP	UVALDE, TX	BDISDTL20090630ABK	205.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
4384.8	1,322,963	4301.9	1,321,042	3844.5	1,230,786	3842.5	1,230,720	0.05 0.01

Undesired		Total IX		Unique IX, before		Unique IX, after
KZAU-LD D15 LD APP	3.0	399		2.0	66	
KBTX-TV D16 DT LIC	251.8	16,320	174.0	8,962	174.0 8,962	
KSAN-TV D16 DT LIC	2.0	57	1.0	0	1.0 0	
KHCE-TV D16 DT CP	281.5	81,237	204.6	73,936	203.6 73,603	

Interference to BLDTL20140926AGY LIC scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: KADT-LD	D16	LD	LIC	AUSTIN, TX	BLDTL20140926AGY	
Undesireds: KZAU-LD	D15	LD	APP	KILLEEN, TX		37.0 km
KBTX-TV	D16	DT	LIC	BRYAN, TX	BLANK0000112137	171.4
K16LD-D	D16	LD	LIC	DEL RIO, TX	BLANK0000179366	313.5
KSAN-TV	D16	DT	LIC	SAN ANGELO, TX	BLANK0000004868	289.9
KHCE-TV	D16	DT	LIC	SAN ANTONIO, TX	BLEDT20110215AEM	123.0
DK17GL	D16	LD	APP	UVALDE, TX	BDISDTL20090630ABK	205.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
4384.8	1,322,963	4301.9	1,321,042	3866.5	1,238,374	3864.5	1,238,308	0.05 0.01

Undesired		Total IX		Unique IX, before		Unique IX, after
KZAU-LD D15 LD APP	3.0	399		2.0	66	
KBTX-TV D16 DT LIC	251.8	16,320	177.0	9,658	177.0 9,658	
KSAN-TV D16 DT LIC	2.0	57	1.0	0	1.0 0	
KHCE-TV D16 DT LIC	256.5	72,953	182.6	66,348	181.6 66,015	

Interference to proposal scenario 1

32.63% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KZAU-LD	D15	LD	APP	KILLEEN, TX		
Undesireds:	KXLK-CD	D14	DC	LIC	AUSTIN, TX	BLANK00000116332	36.7 km
	KRHD-CD	D15	DC	LIC	BRYAN, TX	BLANK00000108095	137.9
	KVDA	D15	DT	LIC	SAN ANTONIO, TX	BLANK00000113393	153.8

Service area	Terrain-limited	IX-free	Percent IX
67.8 3,998	66.8 3,996	52.8 2,692	20.90 32.63

Undesired	Total IX	Unique IX	Prcnt Unique IX
KRHD-CD D15 DC LIC	1.0 61 0.0	0	0.00 0.00
KVDA D15 DT LIC	14.0 1,304 13.0	1,243	19.41 31.11