

tvstudy v2.2.3 (Dxtpx3)
Database: localhost, Study: KUVNCD D11 2.0 kW A, Model: Longley-Rice
Start: 2017.10.20 15:46:03

Study created: 2017.10.20 15:44:24

Study build station data: LMS TV 2017-10-19 (38)

Proposal: KUVN-CD D11 DC APP FORT WORTH, TX
File number: KUVNCD D11 2.0 kW A
Facility ID: 5319
Station data: User record
Record ID: 1140
Country: U.S.

Build options:
Protect LPTV records from Class A

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
KHPK-LD	D10	LD	LIC	DE SOTO, TX	BLANK0000029265	33.2 km
KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	211.3
KLST	D11	DT	LIC	SAN ANGELO, TX	BLCDT20090316ABJ	303.5
KXII	D12	DT	LIC	SHERMAN, TX	BLCDT20090226ACF	149.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D11
Mask: Full Service
Latitude: 32 45 1.00 N (NAD83)
Longitude: 97 16 8.00 W
Height AMSL: 511.1 m
HAAT: 324.0 m
Peak ERP: 2.00 kW
Antenna: Omnidirectional
Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.00 kW	330.9 m	61.1 km
45.0	2.00	347.4	62.3
90.0	2.00	335.5	61.4
135.0	2.00	327.5	60.8
180.0	2.00	314.0	59.9
225.0	2.00	294.5	58.8
270.0	2.00	330.3	61.0
315.0	2.00	312.2	59.8

Distance to Canadian border: 1609.3 km

Distance to Mexican border: 513.5 km

Conditions at FCC monitoring station: Kingsville TX
Bearing: 185.9 degrees Distance: 593.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 321.3 degrees Distance: 1083.9 km

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 BLANK0000029265 LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KHPK-LD	D10	LD	LIC	DE SOTO, TX	BLANK0000029265	

Undesireds:	KUVN-CD	D11	DC	APP	FORT WORTH, TX	KUVNCD D11 2.0 kW A	33.2 km
	KFWD	D9	DT	LIC	FORT WORTH, TX	BLCDDT20090724AAB	0.2
	K10QL-D	D10	LD	CP	ABILENE, TX	BPDVL20140626ABB	259.6
	KWTX-TV	D10	DT	LIC	WACO, TX	BLCDDT20110822AEA	144.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
8013.7 5,413,179	7996.7 5,412,244	7859.5 5,393,393	7831.5 5,386,836	0.36 0.12

Undesired	Total IX	Unique IX, before	Unique IX, after
KUVN-CD D11 DC APP	33.0 6,611		28.0 6,557
KFWD D9 DT LIC	103.3 8,210	78.2 6,594	76.2 6,594
KWTX-TV D10 DT LIC	59.0 12,257	33.9 10,641	30.9 10,587

Interference to BLANK0000005143 LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	
Undesireds:	KUVN-CD	D11	DC	APP	FORT WORTH, TX	KUVNCD D11 2.0 kW A	211.3 km
	KOED-TV	D11	DT	LIC	TULSA, OK	BLEDT20120419ABK	341.9
	KCBD	D11	DT	LIC	LUBBOCK, TX	BLANK0000010766	297.1
	KLST	D11	DT	LIC	SAN ANGELO, TX	BLCDDT20090316ABJ	339.9
	KXII	D12	DT	LIC	SHERMAN, TX	BLCDDT20090226ACF	178.0
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
42804.2 483,103	41445.1 461,050	40420.2 448,929	40143.3 446,711	0.69 0.49			

Undesired	Total IX	Unique IX, before	Unique IX, after
KUVN-CD D11 DC APP	293.9 2,253		276.9 2,218
KOED-TV D11 DT LIC	600.7 10,664	572.5 9,537	567.5 9,502
KCBD D11 DT LIC	352.2 241	311.6 241	311.6 241
KLST D11 DT LIC	56.5 56	15.9 56	10.9 56
KXII D12 DT LIC	84.4 2,287	56.2 1,160	56.2 1,160

Interference to BLCDDT20090316ABJ LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KLST	D11	DT	LIC	SAN ANGELO, TX	BLCDDT20090316ABJ	
Undesireds:	KUVN-CD	D11	DC	APP	FORT WORTH, TX	KUVNCD D11 2.0 kW A	303.5 km
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	339.9
	KCBD	D11	DT	LIC	LUBBOCK, TX	BLANK0000010766	294.3
	KVCT	D11	DT	APP	VICTORIA, TX	BPCDDT20120105ABP	396.8
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
36400.4 199,262	33947.7 173,596	33191.2 170,386	33191.2 170,386	0.00 0.00			

Undesired	Total IX	Unique IX, before	Unique IX, after
KUVN-CD D11 DC APP	4.0 0		0.0 0
KSWO-TV D11 DT LIC	429.3 2,626	336.6 2,399	333.6 2,399
KCBD D11 DT LIC	414.8 766	322.2 539	322.2 539
KVCT D11 DT APP	5.1 45	5.1 45	5.1 45

Interference to BLCDDT20090316ABJ LIC, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KLST	D11	DT	LIC	SAN ANGELO, TX	BLCDDT20090316ABJ	
Undesireds:	KUVN-CD	D11	DC	APP	FORT WORTH, TX	KUVNCD D11 2.0 kW A	303.5 km
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	339.9
	KCBD	D11	DT	LIC	LUBBOCK, TX	BLANK0000010766	294.3
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
36400.4 199,262	33947.7 173,596	33196.2 170,431	33196.2 170,431	0.00 0.00			

Undesired	Total IX	Unique IX, before	Unique IX, after
KUVN-CD D11 DC APP	4.0 0		0.0 0
KSWO-TV D11 DT LIC	429.3 2,626	336.6 2,399	333.6 2,399
KCBD D11 DT LIC	414.8 766	322.2 539	322.2 539

Interference to BLCDDT20090226ACF LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KXII	D12	DT	LIC	SHERMAN, TX	BLCDDT20090226ACF	

Undesireds:	KUVN-CD	D11	DC	APP	FORT WORTH, TX	KUVNCD D11 2.0 kW A	149.0 km
	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	178.0
	KTHV	D12	DT	LIC	LITTLE ROCK, AR	BLCDT20041029AIX	403.4
	KGEB	D12	DT	APP	TULSA, OK	BLANK0000029672	236.4
	KETA-TV	D13	DT	LIC	OKLAHOMA CITY, OK	BLEDT20140929AOU	185.0

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
45873.4	2,291,204	44571.0	2,237,856	42935.3	2,221,834	42931.3	2,221,142	0.01	0.03

Undesired			Total IX		Unique IX, before		Unique IX, after
KUVN-CD D11 DC APP	4.0		692			4.0	692
KSWO-TV D11 DT LIC	57.9		194	54.9	181	54.9	181
KTHV D12 DT LIC	41.8		632	13.1	33	13.1	33
KGEB D12 DT APP	1567.7	15,808		1511.0	13,456	1511.0	13,456
KETA-TV D13 DT LIC	25.0	1,740		0.0	0	0.0	0

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KUVN-CD	D11	DC	APP	FORT WORTH, TX	KUVNCD D11 2.0 kW A	
Undesireds:	KSWO-TV	D11	DT	LIC	LAWTON, OK	BLANK0000005143	211.3 km

	Service area		Terrain-limited		IX-free		Percent IX
11558.0	5,206,481	11416.7	5,190,637	11262.4	5,179,417	1.35	0.22

Undesired			Total IX		Unique IX		Prcnt Unique IX
KSWO-TV D11 DT LIC	154.3		11,220	154.3	11,220	1.35	0.22