

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Coahoma27d9kwELTI260FF, Model: Longley-Rice

Start: 2021.07.15 18:11:43

Study created: 2021.07.15 18:11:43

Study build station data: LMS TV 2021-07-15

Proposal: K41MC-D D27 LD APP COAHOMA, TX

Facility ID: 185303

Station data: User record

Record ID: 595

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	KTES-LD	D26	LD	LIC	ABILENE, TX	BLANK0000143282	117.0 km
No	NEW	D26	LD	CP	LUBBOCK, TX	BNPDTL20090825ARG	144.5
Yes	KMID	D26	DT	LIC	MIDLAND, TX	BLCDT20110218AAS	91.4
No	KJBA-LD	D26	LD	CP	SAN ANGELO, TX	BDISDTL20101007ABJ	120.0
No	K27NL-D	D27	LD	LIC	CLOVIS, NM	BLANK0000086777	295.4
No	K27GL-D	D27	LD	CP	HOBBS, NM	BLANK0000060815	171.3
No	K27GL-D	D27	LD	LIC	HOBBS, NM	BLDTT20121128BPR	175.2
No	KRPV-DT	D27	DT	LIC	ROSWELL, NM	BLCDT20090211ABQ	308.8
No	K27MY-D	D27	LD	LIC	ALTUS, OK	BLANK0000045306	319.9
No	K27OG-D	D27	LD	LIC	CLARENDON, TX	BLANK0000091157	293.3
No	KDFI	D27	DT	LIC	DALLAS, TX	BLANK0000074883	410.9
No	K27PA-D	D27	LD	CP	FORT STOCKTON, TX	BNPDTL20100406ABY	239.5
No	KYAM-LD	D27	LD	CP	HEREFORD, TX	BLANK0000054186	327.8
No	KDJB-LD	D27	LD	LIC	HONDO, TX	BLDTL20110706ABA	364.3
No	KBVO	D27	DT	LIC	LLANO, TX	BLCDT20090622ABA	318.3
Yes	KAMC	D27	DT	CP	LUBBOCK, TX	BLANK0000052586	146.1
Yes	KAMC	D27	DT	LIC	LUBBOCK, TX	BLCDT20080227ABN	146.1
No	K43ED-D	D27	LD	CP	NEW MOBEETIE, TX	BLANK0000053933	375.9

No	K27HM-D	D27	LD	LIC	QUANAH, TX	BLDTT20110118AAM	261.0
No	KCOR-CD	D27	DC	LIC	SAN ANTONIO, TX	BLANK0000115083	419.2
No	K27LM-D	D27	LD	CP	SONORA, TX	BNPDTL20100329ACL	204.6
No	K27BZ-D	D27	LD	LIC	WELLINGTON, TX	BLDTT20100813BHF	296.4
No	K27LG-D	D27	LD	CP	WESTBROOK, TX	BNPDTL20100310ACG	34.5
No	K28LS-D	D28	LD	CP	ACKERLY, TX	BNPDTL20100323AIL	53.0
No	DDKFMP-LP	D28+	LD	APP	LUBBOCK, TX	BLANK0000011027	146.1
Yes	KPBT-TV	D28	DT	LIC	ODESSA, TX	BLANK0000063946	91.4
No	K34HH	N34+	TX	LIC	MIDLAND, TX	BLTTL20061107AEM	74.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D27
 Mask: Full Service
 Latitude: 32 17 14.00 N (NAD83)
 Longitude: 101 20 39.50 W
 Height AMSL: 747.0 m
 HAAT: 0.0 m
 Peak ERP: 9.00 kW
 Antenna: ELTI-ELTI UHF Panel (ID 1008435) 260.0 deg
 Elev Pattn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.025 kW	-14.2 m	7.1 km
45.0	0.048	22.5	8.3
90.0	0.010	35.9	6.1
135.0	0.048	55.6	11.3
180.0	0.061	-20.7	8.8
225.0	3.44	-39.7	23.6
270.0	8.21	-24.5	27.5
315.0	0.807	-43.2	16.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: -4 m

Distance to Canadian border: 1857.6 km

Distance to Mexican border: 275.8 km

Conditions at FCC monitoring station: Kingsville TX

Bearing: 147.3 degrees Distance: 633.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 339.3 degrees Distance: 937.1 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 BLCDT20110218AAS LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KMID	D26	DT	LIC	MIDLAND, TX	BLCDT20110218AAS	
Undesireds:	K41MC-D	D27	LD	APP	COAHOMA, TX		91.4 km
	KAMC	D27	DT	CP	LUBBOCK, TX	BLANK0000052586	163.6
	Service area			Terrain-limited	IX-free, before	IX-free, after	Percent New IX
28443.5	383,421	28232.9		383,411	28232.9 383,411	28220.8 382,800	0.04 0.16
Undesired				Total IX	Unique IX, before	Unique IX, after	
K41MC-D D27 LD APP		12.1		611	12.1	611	

Interference to BLANK0000052586 CP scenario 1

Desired:	Call KAMC	Chan D27	Svc DT	Status CP	City, State LUBBOCK, TX	File Number BLANK0000052586	Distance
Undesireds:	K41MC-D	D27	LD	APP	COAHOMA, TX		146.1 km
	Service area 23791.2			Terrain-limited 390,483	IX-free, before 23557.4	IX-free, after 390,452	Percent New IX 0.00
				390,452	23556.4	390,452	0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
K41MC-D D27 LD APP				1.0	0	1.0	0

Interference to BLCDT20080227ABN LIC scenario 1

Desired:	Call KAMC	Chan D27	Svc DT	Status LIC	City, State LUBBOCK, TX	File Number BLCDT20080227ABN	Distance
Undesireds:	K41MC-D	D27	LD	APP	COAHOMA, TX		146.1 km
	Service area 23941.8			Terrain-limited 391,914	IX-free, before 23672.2	IX-free, after 391,890	Percent New IX 0.00
				391,890	23671.2	391,890	0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
K41MC-D D27 LD APP				1.0	0	1.0	0

Interference to BLANK0000063946 LIC scenario 1

Desired:	Call KPBT-TV	Chan D28	Svc DT	Status LIC	City, State ODESSA, TX	File Number BLANK0000063946	Distance
Undesireds:	K41MC-D	D27	LD	APP	COAHOMA, TX		91.4 km
	KAMC	D27	DT	CP	LUBBOCK, TX	BLANK0000052586	164.7
	KYVV-TV	D28	DT	APP	DEL RIO, TX	BMPCDT20080618ACC	367.0
	Service area			Terrain-limited	IX-free, before	IX-free, after	Percent New IX

18568.6	339,881	18568.6	339,881	18568.6	339,881	18564.6	338,771	0.02	0.33
Undesired		Total IX		Unique IX, before		Unique IX, after			
K41MC-D D27 LD APP		4.0		1,110		4.0		1,110	

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K41MC-D	D27	LD	APP	COAHOMA, TX		
Undesireds:	KMID	D26	DT	LIC	MIDLAND, TX	BLCDDT20110218AAS	91.4 km
	K27GL-D	D27	LD	CP	HOBBS, NM	BLANK0000060815	171.3
	KAMC	D27	DT	CP	LUBBOCK, TX	BLANK0000052586	146.1
	K27LG-D	D27	LD	CP	WESTBROOK, TX	BNPDTL20100310ACG	34.5

Service area		Terrain-limited		IX-free		Percent IX	
757.5	34,082	644.8	32,016	514.0	31,517	20.28	1.56
Undesired		Total IX		Unique IX		Prcnt Unique IX	
KMID D26 DT LIC		4.0		62		0.00	
KAMC D27 DT CP		69.4		275		4.22	
K27LG-D D27 LD CP		101.6		303		9.51	

Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K41MC-D	D27	LD	APP	COAHOMA, TX		
Undesireds:	KMID	D26	DT	LIC	MIDLAND, TX	BLCDDT20110218AAS	91.4 km
	K27GL-D	D27	LD	CP	HOBBS, NM	BLANK0000060815	171.3
	KAMC	D27	DT	LIC	LUBBOCK, TX	BLCDDT20080227ABN	146.1
	K27LG-D	D27	LD	CP	WESTBROOK, TX	BNPDTL20100310ACG	34.5

Service area		Terrain-limited		IX-free		Percent IX	
757.5	34,082	644.8	32,016	476.8	31,499	26.05	1.61

Undesired		Total IX		Unique IX	Prcnt Unique IX	
KMID D26 DT LIC	4.0	62	0.0	0	0.00	0.00
KAMC D27 DT LIC	122.7	307	64.4	205	9.99	0.64
K27LG-D D27 LD CP	101.6	303	45.2	210	7.02	0.66