

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Socorro19d15kwTUA10T, Model: Longley-Rice

Start: 2021.07.16 15:00:03

Study created: 2021.07.16 15:00:03

Study build station data: LMS TV 2021-07-16

Proposal: K49NC-D D19 LD APP SOCORRO, NM

Facility ID: 186719

Station data: User record

Record ID: 621

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	KRTN-LD	D18	LD	LIC	ALBUQUERQUE, NM	BLANK0000116308	148.8 km
No	K18LM-D	D18	LD	LIC	MUD CANYON, NM	BLANK0000021330	135.0
No	KDBC-TV	D18	DT	LIC	EL PASO, TX	BLCDT20090713ABW	239.2
No	KDBC-TV	D18	DT	CP	EL PASO, TX	BLANK0000035801	237.0
No	KDOS-LD	D19	LD	LIC	GLOBE, AZ	BLANK0000090731	372.6
No	KTTU	D19	DT	LIC	TUCSON, AZ	BLCDT20030926ANZ	394.3
No	K19LD-D	D19	LD	LIC	BAYFIELD, CO	BLANK0000080872	366.7
No	K19LC-D	D19-	LD	LIC	PAGOSA SPRINGS, CO	BLANK0000080871	364.0
No	K19IX-D	D19	LD	LIC	ROMEO, CO	BLDTT20130107ABJ	335.2
No	KVBA-LP	D19+	LD	CP	ALAMOGORDO, NM	BLANK0000150554	153.3
No	KVBA-LP	N19+	TX	LIC	ALAMOGORDO, NM	BLTTT20070720AAD	153.3
No	K19JZ-D	D19	LD	LIC	CARLSBAD, NM	BLDTT20120705ABT	277.7
No	K19LP-D	D19	LD	LIC	CLOVIS, NM	BLANK0000147046	342.0
No	K19HV	N19z	TX	LIC	DEMING, NM	BLTT20100629AOR	203.8
No	K19CM-D	N19z	TX	LIC	FARMINGTON, NM	BLTT20060511ABS	329.3
No	K19CM-D	D19	LD	LIC	FARMINGTON, NM	BLDTT20140430ABV	329.3
No	K19MP-D	D19	LD	LIC	GALLUP, NM	BLANK0000082820	247.2
No	K19KT-D	D19	LD	LIC	HOBBS, NM	BLANK0000060808	375.6

No	K19LZ-D	D19	LD	LIC	LAS CRUCES & ORGAN, NM	BLANK0000067391	182.8
No	KNMQ-LD	D20	LD	LIC	ALBUQUERQUE, NM	BLANK0000072913	148.8
No	K20HA	D20z	LD	CP	CABALLO, NM	BLANK0000074864	110.5
No	K20HA	N20z	TX	LIC	CABALLO, NM	BLTT20050202ADM	110.5
No	KCWF-LP	N20+	TX	LIC	LAS CRUCES, NM	BLTTTL20110415AAC	169.1
No	KGDR-LP	D20	LD	CP	RUIDOSO, NM	BLANK0000054750	116.6
No	KTFN	D20	DT	LIC	EL PASO, TX	BLANK0000068199	238.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D19  
 Mask: Stringent  
 Latitude: 33 55 22.00 N (NAD83)  
 Longitude: 106 52 39.00 W  
 Height AMSL: 1453.0 m  
 HAAT: 0.0 m  
 Peak ERP: 15.0 kW  
 Antenna: DIE-TUA (ID 120649) 10.0 deg  
 Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	13.9 kW	55.1 m	37.6 km
45.0	5.59	-44.5	26.6
90.0	0.013	-48.0	6.3
135.0	0.077	6.5	9.8
180.0	0.045	73.2	13.2
225.0	0.030	-206.2	7.8
270.0	0.044	-268.5	8.5
315.0	1.15	-131.3	19.3

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: -70 m

Distance to Canadian border: 1675.8 km

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

Distance to Mexican border: 237.8 km

Conditions at FCC monitoring station: Douglas AZ

Bearing: 224.7 degrees Distance: 374.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 11.3 degrees Distance: 703.5 km

No land mobile station failures found

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%

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K49NC-D	D19	LD	APP	SOCORRO, NM		
Undesireds:	KVBA-LP	D19+	LD	CP	ALAMOGORDO, NM	BLANK00000150554	153.3 km
	K19CM-D	N19z	TX	LIC	FARMINGTON, NM	BLTT20060511ABS	329.3
	K20HA	D20z	LD	CP	CABALLO, NM	BLANK0000074864	110.5

	Service area		Terrain-limited		IX-free		Percent IX
	1004.7	11,564	961.1	11,562	954.2	11,562	0.72 0.00
Undesired				Total IX		Unique IX	Prcnt Unique IX
KVBA-LP D19+ LD CP			6.9	0	6.9	0	0.72 0.00

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Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K49NC-D	D19	LD	APP	SOCORRO, NM		
Undesireds:	K19CM-D	N19z	TX	LIC	FARMINGTON, NM	BLTT20060511ABS	329.3 km
	K20HA	D20z	LD	CP	CABALLO, NM	BLANK00000074864	110.5

	Service area		Terrain-limited		IX-free		Percent IX
1004.7	11,564	961.1	11,562	961.1	11,562	0.00	0.00