

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: dBern19d15kWt, Model: Longley-Rice

Start: 2023.09.13 14:00:50

Study created: 2023.09.13 14:00:50

Study build station data: LMS TV 2023-09-10

Proposal: K19NF-D D19 LD APP BERNARDO, NM

Facility ID: 186719

Station data: User record

Record ID: 1796

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
Yes	KRTN-LD	D18	LD	LIC	ALBUQUERQUE, NM	BLANK0000116308	95.7 km
No	K18LM-D	D18	LD	LIC	MUD CANYON, NM	BLANK0000021330	171.6
No	KDOS-LD	D19	LD	LIC	GLOBE, AZ	BLANK0000090731	388.6
No	KTTU	D19	DT	LIC	TUCSON, AZ	BLCDT20030926ANZ	422.3
No	K19LD-D	D19	LD	LIC	BAYFIELD, CO	BLANK0000080872	313.0
No	K19JA-D	D19	LD	LIC	CORTEZ, CO	BLDTT20110331AFA	346.1
No	K19HC-D	D19	LD	LIC	HOEHNE, CO	BLDTT20090720AAK	371.3
No	K19LC-D	D19-	LD	LIC	PAGOSA SPRINGS, CO	BLANK0000080871	309.4
No	K19IX-D	D19	LD	LIC	ROMEO, CO	BLDTT20130107ABJ	281.2
No	KVBA-LD	D19+	LD	LIC	Alamogordo, NM	BLANK0000179577	198.1
No	KVBA-LD	N19+	TX	LIC	Alamogordo, NM	BLTTT20070720AAD	198.1
No	KKAC	D19	DT	APP	CARLSBAD, NM	BLANK0000220322	303.4
No	KKAC	D19	DT	CP	CARLSBAD, NM	BLANK0000216338	303.4
No	K19JZ-D	D19	LD	LIC	CARLSBAD, NM	BLDTT20120705ABT	303.4
No	K19LP-D	D19	LD	LIC	CLOVIS, NM	BLANK0000147046	333.1
No	DK19HV	N19z	TX	APP	DEMING, NM	BLTTT20100629AOR	257.0
No	K19CM-D	D19	LD	CP	FARMINGTON, NM	BLANK0000204940	280.3
No	K19CM-D	N19z	TX	LIC	FARMINGTON, NM	BLTTT20060511ABS	280.3

No	K19CM-D	D19	LD	LIC	FARMINGTON, NM	BLDTT20140430ABV	280.3
No	K19MP-D	D19	LD	LIC	GALLUP, NM	BLANK0000082820	212.9
No	K19LZ-D	D19	LD	LIC	LAS CRUCES & ORGAN, NM	BLANK0000067391	237.8
No	K19LZ-D	D19	LD	CP	LAS CRUCES & ORGAN, NM	BLANK0000184349	237.8
No	KAMR-TV	D19	DT	LIC	AMARILLO, TX	BLCDDT20080519ACZ	469.3
Yes	KNMQ-LD	D20	LD	LIC	ALBUQUERQUE, NM	BLANK0000072913	95.7
No	K20HA-D	D20z	LD	LIC	CABALLO, NM	BLANK0000156855	164.4
No	K20HA-D	N20z	TX	LIC	CABALLO, NM	BLTT20050202ADM	164.4
No	K20GT-D	D20	LD	LIC	INDIAN VILLAGE, NM	BLDTT20120522AFA	172.6
No	DKGDR-LP	D20	LD	APP	RUIDOSO, NM	BLANK0000054750	149.2

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: 34 25 0.50 N (NAD83)
 Longitude: 106 50 40.10 W
 Height AMSL: 1479.3 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: Omnidirectional
 Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	-68.9 m	31.1 km
45.0	15.0	14.9	31.1
90.0	15.0	-32.5	31.1
135.0	15.0	-54.9	31.1
180.0	15.0	37.5	33.2
225.0	15.0	-43.3	31.1
270.0	15.0	-115.5	31.1
315.0	15.0	-16.8	31.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -35 m

Distance to Canadian border: 1620.9 km

Distance to Mexican border: 292.7 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 219.7 degrees Distance: 416.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 12.0 degrees Distance: 649.1 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%

Interference to BLANK0000116308 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRTN-LD	D18	LD	LIC	ALBUQUERQUE, NM	BLANK0000116308	
Undesireds:	K19NF-D	D19	LD	APP	BERNARDO, NM		95.7 km
	KAZQ	D17	DT	LIC	ALBUQUERQUE, NM	BLEDT20051012ACK	0.1
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	18397.2 1,028,418	16866.5	1,020,612		16825.4 1,019,953	16816.4 1,019,946	0.05 0.00
Undesired			Total IX		Unique IX, before	Unique IX, after	

K19NF-D D19 LD APP	10.0	7			9.0	7
KAZQ D17 DT LIC	41.0	659	41.0	659	40.0	659

Interference to BLANK0000072913 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance												
Desired:	KNMQ-LD	D20	LD	LIC	ALBUQUERQUE, NM	BLANK0000072913													
Undesireds:	K19NF-D	D19	LD	APP	BERNARDO, NM		95.7 km												
	KRMU	D20	DT	LIC	DURANGO, CO	BLEDT20041012AIM	262.1												
	K20HA-D	D20z	LD	LIC	CABALLO, NM	BLANK0000156855	259.3												
	K20GT-D	D20	LD	LIC	INDIAN VILLAGE, NM	BLD TT20120522AFA	164.7												
	DKGDR-LP	D20	LD	APP	RUIDOSO, NM	BLANK0000054750	210.4												
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX											
18203.7		1,027,118		16631.2		1,019,925		16429.6		1,019,551		16419.6		1,019,551		0.06		0.00	
Undesired				Total IX	Unique IX, before		Unique IX, after												
K19NF-D D19 LD APP	10.0			7	10.0		7												
KRMU D20 DT LIC	1.0			0	0.0		0												
K20GT-D D20 LD LIC	1.0			0	0.0		0												
DKGDR-LP D20 LD APP	201.6			367	200.5		367												

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance								
Desired:	K19NF-D	D19	LD	APP	BERNARDO, NM										
Undesireds:	KVBA-LD	D19+	LD	LIC	Alamogordo, NM	BLANK0000179577	198.1 km								
	KKAC	D19	DT	APP	CARLSBAD, NM	BLANK0000220322	303.4								
	K19CM-D	D19	LD	CP	FARMINGTON, NM	BLANK0000204940	280.3								
	K19LZ-D	D19	LD	LIC	LAS CRUCES & ORGAN, NM	BLANK0000067391	237.8								
Service area		Terrain-limited		IX-free		Percent IX									
3033.9		23,913		2820.5		18,651		2820.5		18,651		0.00		0.00	