

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Gateway19d0.2kwinceltiat90fA1, Model: Longley-Rice

Start: 2022.05.04 09:08:45

Study created: 2022.05.04 09:08:45

Study build station data: LMS TV 2022-05-03 #164

Proposal: K19NE-D D19 LD CP GATEWAY, CO

Facility ID: 186350

Station data: User record

Record ID: 2033

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	KRMJ	D18	DT	LIC	GRAND JUNCTION, CO	BLEDT20100430ADO	0.1 km
No	K18IQ-D	D18	LD	CP	JACKS CABIN, CO	BPDTT20150123AHE	172.1
No	K18IQ-D	D18	LD	LIC	JACKS CABIN, CO	BLDTT20091125AFJ	172.1
No	K18GD-D	D18	LD	LIC	REDSTONE, CO	BLDTT20091221ABB	133.1
No	K18IT-D	D18	LD	LIC	GREEN RIVER, UT	BLDTT20100107AAJ	124.4
No	K19FH-D	D19	LD	LIC	ASPEN, CO	BLDTT20121119AGZ	165.6
No	K19LD-D	D19	LD	LIC	BAYFIELD, CO	BLANK0000080872	236.5
No	K19DY-D	D19	LD	LIC	CANON CITY, CO	BLANK00000138251	319.7
No	K19DY-D	N19	TX	LIC	CANON CITY, CO	BLTT20001027AAF	319.7
No	K19JA-D	D19	LD	LIC	CORTEZ, CO	BLDTT20110331AFA	198.1
No	KRMA-TV	D19	LD	LIC	DENVER, CO	BLANK0000064177	344.7
No	KSBS-CD	D19	DC	LIC	DENVER, CO	BLANK0000068957	310.4
No	K19GB-D	D19	LD	LIC	DOVE CREEK, ETC, CO	BLDTT20120615ABC	145.9
No	K19MN-D	D19	LD	LIC	LAKE GEORGE, CO	BLANK00000116870	317.6
No	K19LC-D	D19-	LD	LIC	PAGOSA SPRINGS, CO	BLANK0000080871	253.2
No	K19HG-D	D19	LD	LIC	REDSTONE, CO	BLDTT20091221ABC	133.1
No	K19IX-D	D19	LD	LIC	ROMEO, CO	BLDTT20130107ABJ	342.6
No	K19CM-D	N19z	TX	LIC	FARMINGTON, NM	BLTT20060511ABS	270.0
No	K19CM-D	D19	LD	LIC	FARMINGTON, NM	BLDTT20140430ABV	270.0
No	K19HE-D	D19	LD	LIC	BLUFF, UT	BLDTT20091222ALW	211.8
No	K19GM-D	D19	LD	LIC	CIRCLEVILLE, UT	BLDTT20110823ACM	317.4

No	K19MF-D	D19	LD	LIC	EAST CARBON COUNTY, UT	BLANK0000093701	207.4
No	K19MH-D	D19	LD	LIC	FRUITLAND, UT	BLANK0000095177	223.3
No	K19ID-D	D19	LD	LIC	GREEN RIVER, UT	BLDTT20100107ABO	124.4
No	K19GJ-D	D19	LD	LIC	HATCH, UT	BLDTT20081223AAC	351.7
No	K19LL-D	D19	LD	LIC	HENRIEVILLE, UT	BLANK0000074906	329.3
No	K19LR-D	D19	LD	LIC	HUNTSVILLE, ETC., UT	BLANK0000074712	362.9
No	K19LF-D	D19	LD	LIC	KOOSHAREM, UT	BLANK0000085291	274.5
No	K19MA-D	D19	LD	LIC	LEAMINGTON, UT	BLANK0000125419	311.1
No	K19LN-D	D19	LD	LIC	MAYFIELD, UT	BLANK0000067148	256.4
No	K19IG-D	D19	LD	LIC	MEXICAN HAT, ETC, UT	BLDTT20120921ACP	235.1
No	K19HU-D	D19	LD	LIC	MONTEZUMA CK&ANETH, UT	BLDTT20091222ALX	206.3
No	K19GN-D	D19	LD	LIC	MOUNT PLEASANT, UT	BLDTT20080722ABD	233.2
No	K19EY-D	D19	LD	LIC	MYTON, UT	BLDTT20120113ABB	226.5
No	K19HA-D	D19	LD	LIC	NAVAJO MTN.SCH.,ETC., UT	BLDTT20091222ALT	288.0
No	K19HB-D	D19	LD	LIC	OLJETO, UT	BLDTT20091222ALU	264.4
No	K19MD-D	D19	LD	LIC	ORANGEVILLE, UT	BLANK0000093970	207.2
No	K19LK-D	D19	LD	LIC	PANGUITCH, UT	BLANK0000080802	351.5
No	KUES	D19	DT	LIC	RICHFIELD, UT	BLEDT20030429AAT	290.8
No	K19LG-D	D19	LD	LIC	RURAL GARFIELD COUNT, UT	BLANK0000080332	308.9
No	K19LO-D	D19	LD	LIC	RURAL SEVIER COUNTY, UT	BLANK0000083675	270.3
No	KJZZ-TV	D19	DT	LIC	SALT LAKE CITY, UT	BLANK0000113900	343.9
No	K19LY-D	D19	LD	LIC	SCIPIO, UT	BLANK0000137754	293.3
No	K19DU-D	D19	LD	LIC	SUMMIT COUNTY, UT	BLDTT20100201AED	306.1
No	K19LH-D	D19	LD	LIC	TEASDALE, ETC., UT	BLANK0000080569	255.2
No	DDKCHY-LP	D19+	LD	APP	CHEYENNE, WY	BLANK0000071845	390.1
No	K19FX-D	D19	LD	LIC	LARAMIE, WY	BLDTT20111129FFV	373.3
No	K19MG-D	D19	LD	LIC	RAWLINS, WY	BLANK0000083954	326.6
No	KSZG-LD	D20	LD	LIC	ASPEN, CO	BLDTL20091027AAO	163.4
No	KRMU	D20	DT	LIC	DURANGO, CO	BLEDT20041012AIM	213.7
No	KJCT-LP	D20	LD	LIC	GRAND JUNCTION, CO	BLDTL20150129AAO	42.7
No	K20JW-D	D20	LD	CP	JACKS CABIN, CO	BPDTT20150123AHB	172.1
No	K20JW-D	D20	LD	LIC	JACKS CABIN, CO	BLDTT20091125AFK	172.1
No	K20OE-D	D20	LD	LIC	SILT, CO	BLANK0000078709	124.4
No	K20JZ-D	D20	LD	LIC	GREEN RIVER, UT	BLDTT20100107ABB	124.4

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: Full Service
Latitude: 39 3 59.90 N (NAD83)
Longitude: 108 44 47.40 W
Height AMSL: 2162.9 m
HAAT: 0.0 m
Peak ERP: 0.200 kW
Antenna: ELTI-ELTI UHF Panel (ID 1008435) 90.0 deg
Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	701.9 m	7.8 km
45.0	0.043	725.9	35.3
90.0	0.200	639.3	43.3
135.0	0.040	161.9	19.4
180.0	0.000	-35.0	2.2
225.0	0.002	111.8	7.1
270.0	0.000	212.9	7.3
315.0	0.001	454.0	12.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 372 m

Distance to Canadian border: 1104.0 km

Distance to Mexican border: 811.0 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 185.9 degrees Distance: 845.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 67.6 degrees Distance: 321.2 km

No land mobile station failures found

Study cell size: 1.00 km
Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%
 Maximum new IX to LPTV: 2.00%

 --

Interference to proposal scenario 1
 5.05% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K19NE-D	D19	LD	CP	GATEWAY, CO		
Undesireds:	KRMJ	D18	DT	LIC	GRAND JUNCTION, CO	BLEDT20100430ADO	0.1 km
	K19DY-D	D19	LD	LIC	CANON CITY, CO	BLANK0000138251	319.7
	K19CM-D	N19z	TX	LIC	FARMINGTON, NM	BLTT20060511ABS	270.0
	KJCT-LP	D20	LD	LIC	GRAND JUNCTION, CO	BLDTL20150129AAO	42.7

	Service area		Terrain-limited		IX-free		Percent IX
	1537.1	135,666	1438.7	126,913	1323.5	120,508	8.01 5.05

Undesired		Total IX	Unique IX	Prcnt Unique IX
KRMJ D18 DT LIC	99.3	6,405	42.7	0 2.97 0.00
KJCT-LP D20 LD LIC	72.6	6,405	15.9	0 1.11 0.00