

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Gateway19d5kwELTI310T, Model: Longley-Rice

Start: 2021.08.05 08:04:44

Study created: 2021.08.05 08:04:44

Study build station data: LMS TV 2021-08-05

Proposal: K46MJ-D D19 LD APP GATEWAY, CO

Facility ID: 186350

Station data: User record

Record ID: 276

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	K18LN-D	D18	LD	CP	ASPEN, CO	BNPDTL20090825BXE	147.6 km
No	K18DR-D	D18	LD	LIC	CORTEZ, ETC, CO	BLDTT20090522ACJ	173.6
Yes	KRMJ	D18	DT	LIC	GRAND JUNCTION, CO	BLEDT20100430ADO	28.3
No	K18IQ-D	D18	LD	CP	JACKS CABIN, CO	BPDTT20150123AHE	147.4
No	K18IQ-D	D18	LD	LIC	JACKS CABIN, CO	BLDTT20091125AFJ	147.4
No	K18GD-D	D18	LD	LIC	REDSTONE, CO	BLDTT20091221ABB	116.4
No	K18IT-D	D18	LD	LIC	GREEN RIVER, UT	BLDTT20100107AAJ	146.2
No	K19FH-D	D19	LD	LIC	ASPEN, CO	BLDTT20121119AGZ	147.6
No	K19LD-D	D19	LD	LIC	BAYFIELD, CO	BLANK0000080872	210.4
No	K19DY-D	D19	LD	LIC	CANON CITY, CO	BLANK0000138251	295.0
No	K19DY-D	N19	TX	LIC	CANON CITY, CO	BLTT20001027AAF	295.0
No	K19JA-D	D19	LD	LIC	CORTEZ, CO	BLDTT20110331AFA	175.4
No	KRMA-TV	D19	LD	LIC	DENVER, CO	BLANK0000064177	335.8
No	KSBS-CD	D19	DC	LIC	DENVER, CO	BLANK0000068957	294.9
No	K19GB-D	D19	LD	LIC	DOVE CREEK, ETC, CO	BLDTT20120615ABC	132.1
No	K19MN-D	D19	LD	LIC	LAKE GEORGE, CO	BLANK0000116870	296.2
No	K19LC-D	D19-	LD	LIC	PAGOSA SPRINGS, CO	BLANK0000080871	225.9
No	K19HG-D	D19	LD	LIC	REDSTONE, CO	BLDTT20091221ABC	116.4

No	K19IX-D	D19	LD	LIC	ROMEO, CO	BLDTT20130107ABJ	314.3
No	K19CM-D	N19z	TX	LIC	FARMINGTON, NM	BLTT20060511ABS	249.1
No	K19CM-D	D19	LD	LIC	FARMINGTON, NM	BLDTT20140430ABV	249.1
No	K19MP-D	D19	LD	LIC	GALLUP, NM	BLANK0000082820	374.9
No	K19HE-D	D19	LD	LIC	BLUFF, UT	BLDTT20091222ALW	203.7
No	K19GM-D	D19	LD	LIC	CIRCLEVILLE, UT	BLDTT20110823ACM	334.0
No	K19MF-D	D19	LD	LIC	EAST CARBON COUNTY, UT	BLANK0000093701	234.7
No	K19MH-D	D19	LD	LIC	FRUITLAND, UT	BLANK0000095177	251.6
No	K19ID-D	D19	LD	LIC	GREEN RIVER, UT	BLDTT20100107ABO	146.2
No	K19GJ-D	D19	LD	LIC	HATCH, UT	BLDTT20081223AAC	364.7
No	K19LL-D	D19	LD	LIC	HENRIEVILLE, UT	BLANK0000074906	340.2
No	K19LF-D	D19	LD	LIC	KOOSHAREM, UT	BLANK0000085291	292.6
No	K19MA-D	D19	LD	LIC	LEAMINGTON, UT	BLANK0000125419	336.2
No	K19LN-D	D19	LD	LIC	MAYFIELD, UT	BLANK0000067148	279.4
No	K19IG-D	D19	LD	LIC	MEXICAN HAT, ETC, UT	BLDTT20120921ACP	229.4
No	K19HU-D	D19	LD	LIC	MONTEZUMA CK&ANETH, UT	BLDTT20091222ALX	195.4
No	K19GN-D	D19	LD	LIC	MOUNT PLEASANT, UT	BLDTT20080722ABD	259.0
No	K19EY-D	D19	LD	LIC	MYTON, UT	BLDTT20120113ABB	254.9
No	K19HA-D	D19	LD	LIC	NAVAJO MTN.SCH.,ETC., UT	BLDTT20091222ALT	288.7
No	K19HB-D	D19	LD	LIC	OLJETO, UT	BLDTT20091222ALU	262.1
No	K19MD-D	D19	LD	LIC	ORANGEVILLE, UT	BLANK0000093970	231.0
No	K19LK-D	D19	LD	LIC	PANGUITCH, UT	BLANK0000080802	365.7
No	KUES	D19	DT	LIC	RICHFIELD, UT	BLEDT20030429AAT	310.4
No	K19LG-D	D19	LD	LIC	RURAL GARFIELD COUNT, UT	BLANK0000080332	321.1
No	K19LO-D	D19	LD	LIC	RURAL SEVIER COUNTY, UT	BLANK0000083675	288.6
No	KJZZ-TV	D19	DT	LIC	SALT LAKE CITY, UT	BLANK0000113900	372.0
No	K19LY-D	D19	LD	LIC	SCIPIO, UT	BLANK0000137754	316.7
No	K19DU-D	D19	LD	LIC	SUMMIT COUNTY, UT	BLDTT20100201AED	334.5
No	K19LH-D	D19	LD	LIC	TEASDALE, ETC., UT	BLANK0000080569	270.9
No	DDKCHY-LP	D19+	LD	APP	CHEYENNE, WY	BLANK0000071845	384.5
No	K19FX-D	D19	LD	LIC	LARAMIE, WY	BLDTT20111129FFV	370.6
No	K19MG-D	D19	LD	LIC	RAWLINS, WY	BLANK0000083954	336.1
No	KSZG-LD	D20	LD	LIC	ASPEN, CO	BLDTL20091027AAO	145.3
No	K48NK-D	D20	LD	LIC	CORTEZ, ETC, CO	BLANK0000060677	173.5
No	KRMU	D20	DT	LIC	DURANGO, CO	BLEDT20041012AIM	189.5
Yes	KJCT-LP	D20	LD	LIC	GRAND JUNCTION, CO	BLDTL20150129AAO	26.5
No	K20JW-D	D20	LD	CP	JACKS CABIN, CO	BPDTT20150123AHB	147.4
No	K20JW-D	D20	LD	LIC	JACKS CABIN, CO	BLDTT20091125AFK	147.4

No	K49AH-D	D20	LD	LIC	SILT, CO	BLANK0000078709	112.4
No	K20JZ-D	D20	LD	LIC	GREEN RIVER, UT	BLDDTT20100107ABB	146.2

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: 38 54 9.00 N (NAD83)  
Longitude: 108 29 41.40 W  
Height AMSL: 1911.0 m  
HAAT: 0.0 m  
Peak ERP: 5.00 kW  
Antenna: ELTI-ELTI UHF Panel (ID 1008435) 310.0 deg  
Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.673 kW	398.0 m	44.9 km
45.0	0.008	409.2	20.5
90.0	0.035	341.8	26.1
135.0	0.009	191.6	14.2
180.0	0.027	-137.1	7.6
225.0	0.015	-174.0	6.6
270.0	1.44	-439.0	20.4
315.0	4.78	88.4	37.6

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 85 m

Distance to Canadian border: 1122.3 km

Distance to Mexican border: 791.7 km

Conditions at FCC monitoring station: Douglas AZ

Bearing: 187.6 degrees    Distance: 829.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 63.1 degrees    Distance: 309.0 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 BLEDT20100430ADO LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KRMJ	D18	DT	LIC	GRAND JUNCTION, CO	BLEDT20100430ADO	
Undesireds:	K46MJ-D	D19	LD	APP	GATEWAY, CO		28.3 km
	Service area			Terrain-limited	IX-free, before	IX-free, after	Percent New IX
	17312.8    174,139	12556.3		161,351	12556.3    161,351	12523.5    161,351	0.26    0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
K46MJ-D D19 LD APP		32.8		0		32.8    0	

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Interference to BLDTL20150129AAO LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KJCT-LP	D20	LD	LIC	GRAND JUNCTION, CO	BLDTL20150129AAO	
Undesireds:	K46MJ-D	D19	LD	APP	GATEWAY, CO		26.5 km

K20JW-D	D20	LD	CP	JACKS CABIN, CO	BPDTT20150123AHB	130.2
K49AH-D	D20	LD	LIC	SILT, CO	BLANK0000078709	86.1
K20MU-D	D20	LD	LIC	BICKNELL, ETC., UT	BLANK0000080570	295.3
K20NQ-D	D20	LD	LIC	ORANGEVILLE, UT	BLANK0000094671	249.8
K20NU-D	D20	LD	LIC	TABIONA & MYTON, UT	BLANK0000093964	261.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
17583.1	194,431	12376.1	149,046	12317.5	149,023	12296.7	149,023	0.17	0.00

Undesired				Total IX	Unique IX, before		Unique IX, after	
K46MJ-D	D19	LD	APP	20.8	0		20.8	0
K49AH-D	D20	LD	LIC	51.6	23	48.6	23	48.6
K20MU-D	D20	LD	LIC	1.0	0	0.0	0	0.0
K20NQ-D	D20	LD	LIC	5.0	0	4.0	0	4.0
K20NU-D	D20	LD	LIC	5.0	0	2.0	0	2.0

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Interference to proposal scenario 1  
12.58% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K46MJ-D	D19	LD	APP	GATEWAY, CO		
Undesireds:	KRMJ	D18	DT	LIC	GRAND JUNCTION, CO	BLEDT20100430ADO	28.3 km
	K19DY-D	D19	LD	LIC	CANON CITY, CO	BLANK0000138251	295.0
	K19CM-D	N19z	TX	LIC	FARMINGTON, NM	BLTT20060511ABS	249.1
	KJCT-LP	D20	LD	LIC	GRAND JUNCTION, CO	BLDTL20150129AAO	26.5

Service area		Terrain-limited		IX-free		Percent IX	
2056.4	138,135	1863.4	134,039	1605.4	117,175	13.84	12.58

Undesired				Total IX	Unique IX		Prcnt Unique IX	
KRMJ	D18	DT	LIC	25.9	318	0.0	0	0.00
KJCT-LP	D20	LD	LIC	257.9	16,864	232.0	16,546	12.45