INTERFERENCE ANALYSIS FOR PROPOSED K49JW-D ON CHANNEL 23 AT ROMEO, COLORADO

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tvstudy v2.2.3 (Dxtpx3)
Database: localhost,  Study: k49jw23,  Model: Longley-Rice

Study build station data: LMS TV 2017-09-24 (57)

    Proposal: K49JW23 D23 LD APP ROMEO, ETC., CO
 File number: k49jw23
 Facility ID: 168616
Station data: User record
   Record ID: 1401
     Country: U.S.

Build options:
Protect records not on baseline channel
Protect baseline records from LPTV

No protected stations found.

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D23
       Mask: Stringent
   Latitude:  36 51 35.10 N (NAD83)
  Longitude: 106  1  9.10 W
Height AMSL: 3350.0 m
       HAAT: 0.0 m
   Peak ERP: 0.170 kW
    Antenna: SCA-SL-8 (ID 23503) 140.0 deg
Elev Pattrn: Generic
  Elec Tilt: 1.8

49.7 dBu contour:
Azimuth      ERP       HAAT   Distance
  0.0 deg  0.072 kW   823.7 m   39.4 km
 45.0      0.077      869.0     40.5
 90.0      0.135      897.1     44.4
135.0      0.168      807.7     44.4
180.0      0.150      742.2     42.6
225.0      0.084      574.2     36.4
270.0      0.074      629.4     36.4
315.0      0.087      705.8     38.7

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 756 m

Distance to Canadian border: 1349.3 km

Distance to Mexican border: 566.1 km

Conditions at FCC monitoring station: Douglas AZ
Bearing: 210.3 degrees   Distance: 682.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 10.2 degrees   Distance: 368.2 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%
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ON CHANNEL 23 AT ROMEO, COLORADO

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K49JW23	D23	LD	APP	ROMEO, ETC., CO	k49jw23	
Undesireds:	K22GE	N22-	TX	LIC	DULCE, NM	BLTT20020326ABE	85.6 km
	K23GF-D	D23	LD	LIC	DOVE CREEK, ETC, CO	BLDTT20120615ABH	274.6
	K23JD-D	D23	LD	LIC	COLFAX, NM	BLDTT20100716ABZ	80.6

Service area		Terrain-limited		IX-free		Percent IX	
5093.5	7,966	4437.0	5,997	4436.0	5,997	0.02	0.00

Undesired	Total IX		Unique IX		Prcnt Unique IX	
K23JD-D D23 LD LIC	1.0	0	1.0	0	0.02	0.00