

OET-69 Post-Transition Interference Analysis (KRMJ-DT, Grand Junction, CO)

TW Census data selected 2000  
Post Transition Data Base Selected /export/home/cdbs/pt\_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-22-2008

Record Selected for Analysis

KRMJDT USERRECORD-01 GRAND JUNCTION CO US  
Channel 18 ERP 50. kW HAAT 409. m RCAMSL 02204 m  
Latitude 039-03-58 Longitude 0108-44-43  
Status APP Zone 2 Border  
Dir Antenna Make CDB Model 00000000085597 Beam tilt N Ref Azimuth 0.  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	48.941	736.2	98.9
45.0	40.088	777.2	98.4
90.0	48.807	695.7	97.5
135.0	30.070	248.0	67.9
180.0	5.611	42.1	38.7
225.0	3.063	133.7	49.2
270.0	5.578	220.4	57.6
315.0	30.381	416.7	80.3

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

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Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

	Proposed Station			
Channel	Call	City/State	ARN	
18	KRMJDT	GRAND JUNCTION CO	USERRECORD01	

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KRMA-TV	DENVER CO	310.6	CP	BPEDT	-20080617ACF
18	KRMA-TV	DENVER CO	310.4	PLN	DTVPLN	-DTVP0634

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
18	KRMA-TV	DENVER CO	BPEDT -20080617ACF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KRMJ	GRAND JUNCTION CO	269.9	PLN	DTVPLN	-DTVP0635
18	KWNB-TV	HAYES CENTER NE	371.1	APP	BMPCDT	-20080317AHX
18	KWNB-TV	HAYES CENTER NE	370.8	PLN	DTVPLN	-DTVP0645
18	KWNB-TV	HAYES CENTER NE	371.1	CP	BPCDT	-19991101AIJ
19	KTVD	DENVER CO	6.5	CP MOD	BMPCDT	-20080422ABE
19	KTVD	DENVER CO	6.4	PLN	DTVPLN	-DTVP0670
19	KTVD	DENVER CO	6.5	APP	BPCDT	-20080617ACA
18	KRMJDT	GRAND JUNCTION CO	310.6	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
18	KRMA-TV	DENVER CO	DTVPLN -DTVP0634

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KRMJ	GRAND JUNCTION CO	269.7	PLN	DTVPLN	-DTVP0635
18	KWNB-TV	HAYES CENTER NE	371.3	APP	BMPCDT	-20080317AHX
18	KWNB-TV	HAYES CENTER NE	371.0	PLN	DTVPLN	-DTVP0645
18	KWNB-TV	HAYES CENTER NE	371.3	CP	BPCDT	-19991101AIJ

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19   KTVD      DENVER CO           6.7  CP MOD  BMPCDT      -20080422ABE
19   KTVD      DENVER CO           6.7  PLN    DTVPLN      -DTVP0670
19   KTVD      DENVER CO           6.7  APP    BPCDT       -20080617ACA
18   KRMJDT    GRAND JUNCTION CO  310.4 APP    USERRECORD-01
Proposal causes no interference

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Analysis of Interference to Affected Station 3

Analysis of current record

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Channel  Call           City/State           Application Ref. No.
  18     KRMJDT        GRAND JUNCTION CO   USERRECORD-01

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Stations Potentially Affecting This Station

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Chan  Call           City/State           Dist(km) Status Application Ref. No.
  18   KRMA-TV        DENVER CO           310.6  CP    BPEDT      -20080617ACF
  18   KRMA-TV        DENVER CO           310.4  PLN   DTVPLN     -DTVP0634

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Total scenarios = 1

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Result key:      1
Scenario         1 Affected station      3
Before Analysis

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Results for: 18A CO GRAND JUNCTION USERRECORD01 APP

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HAAT 409.0 m, ATV ERP 50.0 kW
      POPULATION  AREA (sq km)
within Noise Limited Contour  152869  20124.3
not affected by terrain losses 131115  14032.6
lost to NTSC IX                0       0.0
lost to additional IX by ATV    0       0.0
lost to ATV IX only            0       0.0
lost to all IX                 0       0.0

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Potential Interfering Stations Included in above Scenario 1

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