## Post-Transition Longley-Rice Analysis

2000 Census data selected TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-28-9 Time: 10:09:10

Record Selected for Analysis

... 30-ы BLEDT -20030131AHZ Channel 17 ERP 189 kW НААТ Latitude 43 30 : POCATELLO POCATELLO ID US kW HAAT 451.1 m RCAMSL 2017. m

Lati tude 43 -30-4 Longi tude 112 -39-41

Status LIC

Zone 2 Border Cutoff date Last update Comments Docket

Appl i cant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azi muth (Deg) 0.0 45.0 90.0 135.0 180.0 225.0	ERP (kW) 189. 000 189. 000 189. 000 189. 000 189. 000	HAAT (m) 451.3 384.3 410.4 471.6 500.7 443.5	41.0 dBu F(50,90) (km) 94.9 90.9 92.5 96.4 98.9 94.4

Avg: 448.0

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 quite zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Distance to border = 611. 2km

Proposed facility is beyond the Mexican coordination distance

Distance to border = 1211.8km

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Proposed Station

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Post-Transition Longley-Rice Analysis
Channel
            Call
                         Ci ty/State
                                                   ARŇ
           KI SU-DT
                      POCATELLO ID
                                                             20030131AHZ
   17
                                                   BLEDT
     Stations Potentially Affected by Proposed Station
               City/State
PAYETTE ID
                                      Dist(km) Status
Chan
       Cal I
                                                       Application Ref. No.
                                                                  -19980713JE
 17
      K17ED
                                          346. 3
                                                 LIC
                                                        BLTTL
 17
               MI SSOULA MT
                                          381.0
                                                 PLN
                                                        DTVPLN
                                                                  -DTVPLN81348
      KMMF
      KMMF
               MI SSOULA MT
                                                 CP
                                                        BPCDT
 17
                                          381.0
                                                                  -20080515AAK
 18
      KBGH
               FILER ID
                                                 PLN
                                                        DTVPLN
                                                                  -DTVPLN12284
                                          166. 1
               FILER ID
HAILEY ID
                                                 CP
                                                        BPEDT
                                                                  -20000427ACR
 18
      KBGH-DT
                                         166. 1
                                                 LIC
 18
      KSVX-LP
                                          140.7
                                                        BLTTA
                                                                  -20030328ABC
      KSVT-LP
               KETCHUM ID
                                                                  -19960911JE
 20
                                          140.7
                                                        BLTTL
Analysis of Interference to Affected Station
Analysis of current record
                           Ci ty/State
Channel
            Cal I
                                             Application Ref. No.
                                                          -19980713JE
  17
           K17ED
                      PAYETTE Í D
                                                 BLTTL
     Stations Potentially Affecting This Station
Chan
       Call
                 Ci ty/State
                                      Dist(km) Status
                                                        Application Ref. No.
               LA GRÁNDE OR
                                                        BPRM
      KUNP
                                          153. 3
                                                 RULE
                                                                  -20080620A0S
 16
      KI SU-DT
               POCATELLO ID
                                                        BLEDT
 17
                                          346.3
                                                 LIC
                                                                  -20030131AHZ
               POCATELLO ID
                                                        DTVPLN
                                                                  -DTVPLN62430
 17
      KI SU-TV
                                          346.4
                                                 PLN
                                          380. 9
                                                        DTVPLN
                                                                  -DTVPLN81348
                                                PLN
 17
      KMMF
               MI SSOULA MT
      KMMF
               MI SSOULA MT
                                          380.9
                                                 CP
                                                        BPCDT
                                                                  -20080515AAK
Proposal causes no interference
Analysis of Interference to Affected Station
DTV Baseline Analysis
            Call
                           Ci ty/State
                                             Application Ref. No.
Channel
                      MI SSOULA MT
                                                           -DTVPLN81348
           KMMF
                                                 DTVPLN
   17
     Stations Potentially Affecting This Station
                                      Dist(km) Status Application Ref. No.
Chan
       Cal I
                 Ci ty/State
                                                        DTVPLN
      KISU-TV POCATELLO ID
                                                                  -DTVPLN62430
                                          381.1 PLN
Results for: 17A MT MISSOULA
                                         DTVPLN
                                                    DTVPLN81348 PLN
   HAAT 628.0 m, ATV ERP
                            50.0 kW
                                  POPULATI ON
                                                AREA (sq km)
25778.9
                                     158857
   within Noise Limited Contour
  not affected by terrain losses
lost to NTSC IX
                                      132820
                                                  16726.1
                                          0
                                                      0.0
   lost to additional IX by ATV lost to ATV IX only
                                          0
                                                      0.0
                                          0
                                                      0.0
   lost to all IX
                                          0
                                                      0.0
Analysis of current record
Channel
            Cal I
                           Ci ty/State
                                             Application Ref. No.
   17
           KMMF
                      MI SSOULA MT
                                                 DTVPLN
                                                           -DTVPLN81348
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Stations Potentially Affecting This Station

Chan	Call	Ci ty/State	Dist(km)	Status	Applicati	on Ref. No.
17	KI SU-DT	POCATĚLLO ID	381. 0	LIC	BLEDT	-20030131AHZ
17	KI SU-TV	POCATELLO ID	381. 1	PLN	DTVPLN	-DTVPLN62430
Prop	osal caus	es no interference				

## Post-Transition Longley-Rice Analysis Analysis of Interference to Affected Station Analysis of current record Ci ty/State Cal I Application Ref. No. Channel MI SSOULA MT -20080515AAK 17 **KMMF** BPCDT Stations Potentially Affecting This Station Call City/State KISU-DT POCATELLO ID KISU-TV POCATELLO ID Chan Dist(km) Status Application Ref. No. -20030131AHZ 381.0 LIC BLEDT 17 17 381. 1 PLN DTVPLN -DTVPLN62430 Proposal causes no interference Analysis of Interference to Affected Station DTV Baseline Analysis Channel Call Ci ty/State Application Ref. No. -DTVPLN12284 DTVPLN 18 KBGH FILER ID Stations Potentially Affecting This Station Dist(km) Status Application Ref. No. Chan Call Ci ty/State KISU-TV POCATELLO ID DTVPLN 166. 1 PLN -DTVPLN62430 Results for: 18A ID FILER DTVPLN DTVPLN12284 PLN 50.0 kW HAAT 161.0 m, ATV ERP POPULATI ON AREA (sq km) within Noise Limited Contour 132641 13688.1 not affected by terrain losses lost to NTSC IX 132602 13419.6 0.0 0 lost to additional IX by ATV lost to ATV IX only 0 0.0 0 0.0 lost to all IX 0 0.0 Analysis of current record Channel Call Ci ty/State Application Ref. No. FILER ID DTVPLN -DTVPLN12284 KBGH Stations Potentially Affecting This Station Call City/State KISU-DT POCATELLO ID Chan Dist(km) Status Application Ref. No. BLEDT -20030131AHZ 166. 1 LIC 17 KISU-TV POCATELLO ID 166. 1 PLNDTVPLN -DTVPLN62430 Proposal causes no interference

Analysis of Interference to Affected Station 5

Analysis of current record
Channel Call City/State Application Ref. No.
18 KBGH-DT FILER ID BPEDT -20000427ACR

Stations Potentially Affecting This Station

Chan Call City/State Dist(km) Status Application Ref. No.
17 KISU-DT POCATELLO ID 166.1 LIC BLEDT -20030131AHZ
17 KISU-TV POCATELLO ID 166.1 PLN DTVPLN -DTVPLN62430
Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel Call City/State Application Ref. No.
18 KSVX-LP HAILEY ID BLTTA -20030328ABC

Stations Potentially Affecting This Station

Chan	Call	Ci ty/State	Dist(km)	Status	Application	on Ref. No.
		POCATĚLLO ID	140. 7	LIC	BLEDT	-20030131AHZ
17	KI SU-TV	POCATELLO ID	140.8	PLN	DTVPLN	-DTVPLN62430
18	KBGH	FILER ID	101. 6	PLN	DTVPLN	-DTVPLN12284
18	KBGH-DT	FILER ID	101. 6	CP	BPEDT	-20000427ACR
Proposal causes no interference						

Analysis of Interference to Affected Station 7

Analysis of current record

Channel Call City/State Application Ref. No. 20 KSVT-LP KETCHUM ID BLTTL -19960911JE

Stations Potentially Affecting This Station

Chan	Call	Ci ty/State	Dist(km)	Status	Application	on Ref. No.
17	KI SU-DT	POCATĚLLO ID	140. 7	LIC	BLEDT	-20030131AHZ
17	KI SU-TV	POCATELLO ID	140.8	PLN	DTVPLN	-DTVPLN62430
18	KBGH	FILER ID	101. 6	PLN	DTVPLN	-DTVPLN12284
18	KBGH-DT	FILER ID	101. 6	CP	BPEDT	-20000427ACR
Proposal causes no interference						

Analysis of Interference to Affected Station 8

DTV Baseline Analysis

Channel Call City/State Application Ref. No.

17 KISU-TV POCATELLO ID DTVPLN -DTVPLN62430

Stations Potentially Affecting This Station

Chan Call City/State Dist(km) Status Application Ref. No.
17 KMMF MISSOULA MT 381.1 PLN DTVPLN -DTVPLN81348
18 KBGH FILER ID 166.1 PLN DTVPLN -DTVPLN12284

Results for: 17A ID POCATELLO DTVPLN DTVPLN62430 PLN HAAT 465.0 m, ATV ERP 190.0 kW

AREA (sq\_km) POPULATI ON 33706.5 within Noise Limited Contour 263522 not affected by terrain losses lost to NTSC IX 260028 29869.3 0.0 0 lost to additional IX by ATV 0 24.0 lost to ATV IX only lost to all IX 0 24.0 24.0 0

Analysis of current record

Channel Call City/State Application Ref. No. 17 KISU-DT POCATELLO ID BLEDT -20030131AHZ

Stations Potentially Affecting This Station

Post-Transition Longley-Rice Analysis
Dist(km) Status Application Ref. No.
381.0 PLN DTVPLN -DTVPLN81348 Chan 17 Ci ty/State MI SSOULA MT Cal I KMMF MI SSOULA MT **KMMF** 381.0 CP **BPCDT** 17 -20080515AAK PLN DTVPLN -DTVPLN12284 18 **KBGH** FILER ID 166. 1 KBGH-DT FILER ID CP 18 166. 1 **BPEDT** -20000427ACR 1

Result key: Scenari o 1 Affected station 8

Before Analysis

Total scenarios =

Results for: 17A ID POCATELLO HAAT 451.1 m, ATV ERP 189.0 kW BLEDT 20030131AHZ LIC POPIII ATI ON AREA (sa km)

	PUPULATION	AKEA (SQ KIII)
within Noise Limited Contour	260837	30650.3
not affected by terrain losses	257761	27605.3
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

Potential Interferring Stations Included in above Scenario 1

FINISHED FINISHED FINISHED FINISHED FINISHED