

Percent allowed new interference: 0.500  
Percent allowed new interference to non Class A LPTV: 2.000  
Census data selected 2000  
Data Base Selected  
./data\_files/pt\_tvdb.sff  
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 09-18-2014 Time: 12:43:54

Record Selected for Analysis

K08LN-D USERRECORD-01 HARRISON NE US  
Channel 08 ERP 0.07 kW HAAT 193. m RCAMSL 01618 m SIMPLE MASK  
Latitude 042-47-02 Longitude 0103-59-46  
Status APP Zone 1 Border Site number: 01  
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 12.  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station  
Service Class = LD  
Maximum height/power limits not checked

Site number	1		
Azimuth	ERP	HAAT	48.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	0.051	313.0	33.2
45.0	0.057	374.4	37.2
90.0	0.069	326.4	36.1
135.0	0.014	108.5	15.2
180.0	0.000	106.6	4.6
225.0	0.000	118.1	4.8
270.0	0.000	87.1	4.2
315.0	0.001	113.2	8.1

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

Checks to Site Number 01

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

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Channel	Proposed Station	Call	City/State	ARN
08	K08LN-D	HARRISON	NE	USERRECORD01

# Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KDUH-TV	SCOTTSBLUFF NE	129.3	LIC	BLCDT	-20050914AAH
07	KEVN-TV	RAPID CITY SD	154.8	LIC	BLCDT	-20090612AAE
08	K08ND-D	AKRON CO	288.0	LIC	BLDTV	-20111122ALJ
08	K08IP-D	BAKER MT	388.5	LIC	BLDTV	-20111202AIW
08	K08JV-D	BROADUS MT	311.5	LIC	BLDTV	-20120625AAD
08	KZSD-TV	MARTIN SD	210.9	LIC	BLEDT	-20090527AGU
08	KPTW-DR	CASPER WY	192.9	APP	BPRM	-20080619ALX
08	KPTW	CASPER WY	192.9	LIC	BLEDT	-20090622ADW
08	K08CP	ENCAMPMENT WY	280.6	LIC	BLTTV	-3559
08	KCWC-DT	LANDER WY	385.8	LIC	BLEDT	-20070226AEY
08	KWYP-DT	LARAMIE WY	203.3	LIC	BLEDT	-20090317ABF
09	K09YH-D	SCOTTSBLUFF NE	106.1	APP	BSTA	-20140808ABF
09	K09YH-D	SCOTTSBLUFF NE	106.1	LIC	BLDVA	-20130321AED
09	K09XL-D	DOUGLAS WY	116.2	LIC	BLDVL	-20101203AAV
09	K09YI-D	GILLETTE WY	204.4	LIC	BLDVL	-20090807ADG

%%%

## Analysis of Interference to Affected Station 1

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KDUH-TV	SCOTTSBLUFF NE	BLCDT	-20050914AAH

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KMGH-TV	DENVER CO	296.6	LIC	BLCDT	-20100709AJY
07	KMNE-TV	BASSETT NE	301.2	LIC	BLEDT	-20090225ABN
07	KEVN-TV	RAPID CITY SD	247.8	LIC	BLCDT	-20090612AAE
08	KZSD-TV	MARTIN SD	216.2	LIC	BLEDT	-20090527AGU
08	KWYP-DT	LARAMIE WY	206.6	LIC	BLEDT	-20090317ABF
08	K08LN-D	HARRISON NE	129.3	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.
07	KEVN-TV	RAPID CITY SD	BLCDT	-20090612AAE

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KQCD-TV	DICKINSON ND	320.9	LIC	BLCDT	-20090223ABH
07	KMNE-TV	BASSETT NE	360.8	LIC	BLEDT	-20090225ABN
07	KDUH-TV	SCOTTSBLUFF NE	247.8	LIC	BLCDT	-20050914AAH
08	KZSD-TV	MARTIN SD	153.3	LIC	BLEDT	-20090527AGU
08	K08LN-D	HARRISON NE	154.8	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 3

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	K08ND-D	AKRON CO	BLDTV	-20111122ALJ

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	KTSC	PUEBLO CO	228.0	LIC	BLEDT	-20090612AAM
08	KSWK	LAKIN KS	322.2	LIC	BLEDT	-20050203ADS
08	KZSD-TV	MARTIN SD	372.9	LIC	BLEDT	-20090527AGU
08	KPTW-DR	CASPER WY	385.2	APP	BPRM	-20080619ALX
08	KPTW	CASPER WY	385.2	LIC	BLEDT	-20090622ADW

08 KWYP-DT LARAMIE WY 228.9 LIC BLEDT -20090317ABF  
08 K08LN-D HARRISON NE 288.0 APP USERRECORD-01  
Proposal causes no interference

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#### Analysis of Interference to Affected Station 4

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	K08IP-D	BAKER MT	BLDTV -20111202AIW

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KQCD-TV	DICKINSON ND	120.3	LIC	BLCDT -20090223ABH
08	KUMV-TV	WILLISTON ND	208.4	LIC	BLCDT -20090223ABG
08	KZSD-TV	MARTIN SD	379.5	LIC	BLEDT -20090527AGU
09	K09IV-D	PLEVNA MT	23.1	LIC	BLDTV -20111229ABX
09	KDSE	DICKINSON ND	112.0	LIC	BLEDT -20090806AAQ
08	K08LN-D	HARRISON NE	388.5	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 5

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	K08JV-D	BROADUS MT	BLDTV -20120625AAD

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
08	KUMV-TV	WILLISTON ND	323.4	LIC	BLCDT -20090223ABG
08	KZSD-TV	MARTIN SD	373.4	LIC	BLEDT -20090527AGU
08	KPTW-DR	CASPER WY	307.4	APP	BPRM -20080619ALX
08	KPTW	CASPER WY	307.4	LIC	BLEDT -20090622ADW
09	K09VL-D	BOYES & HAMMOND MT	44.1	LIC	BLDTV -20101103ACG
08	K08LN-D	HARRISON NE	311.5	APP	USERRECORD-01

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.
08	KZSD-TV	MARTIN SD	BLEDT -20090527AGU

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KMNE-TV	BASSETT NE	208.2	LIC	BLEDT -20090225ABN
07	KDUH-TV	SCOTTSBLUFF NE	216.2	LIC	BLCDT -20050914AAH
07	KEVN-TV	RAPID CITY SD	153.3	LIC	BLCDT -20090612AAE
08	KESD-TV	BROOKINGS SD	360.8	LIC	BLEDT -20090527AGV
08	KPTW-DR	CASPER WY	397.5	APP	BPRM -20080619ALX
08	KPTW	CASPER WY	397.5	LIC	BLEDT -20090622ADW
08	KWYP-DT	LARAMIE WY	397.8	LIC	BLEDT -20090317ABF
08	K08LN-D	HARRISON NE	210.9	APP	USERRECORD-01

Total scenarios = 1

Result key:

Scenario 1 Affected station 6  
Before Analysis

Results for: 8A SD MARTIN BLEDT 20090527AGU LIC  
HAAT 266.0 m, ATV ERP 44.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	39658	33084.1
not affected by terrain losses	31397	31457.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	50	160.4
lost to ATV IX only	50	160.4
lost to all IX	50	160.4

Potential Interfering Stations Included in above Scenario 1

7A SD RAPID CITY	BLCDT	20090612AAE	LIC
8A SD BROOKINGS	BLEDT	20090527AGV	LIC

#### After Analysis

Results for: 8A SD MARTIN BLEDT 20090527AGU LIC  
HAAT 266.0 m, ATV ERP 44.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	39658	33084.1
not affected by terrain losses	31397	31457.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	178	278.0
lost to ATV IX only	178	278.0
lost to all IX	178	278.0

Potential Interfering Stations Included in above Scenario 1

7A SD RAPID CITY	BLCDT	20090612AAE	LIC
8A SD BROOKINGS	BLEDT	20090527AGV	LIC
8A NE HARRISON	USERRECORD01		APP

Percent new IX = 0.4083%

Worst case new IX 0.4083% Scenario 1

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#### Analysis of Interference to Affected Station 7

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KPTW-DR	CASPER WY	BPRM	-20080619ALX

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KGWL-TV	LANDER WY	193.7	LIC	BLCDT	-20080915ABT
08	KZSD-TV	MARTIN SD	397.5	LIC	BLEDT	-20090527AGU
08	KPTW	CASPER WY	0.0	LIC	BLEDT	-20090622ADW
08	KCWC-DT	LANDER WY	192.9	LIC	BLEDT	-20070226AEY
08	KWYP-DT	LARAMIE WY	175.7	LIC	BLEDT	-20090317ABF
09	KFNR	RAWLINS WY	129.7	LIC	BLCDT	-20081024AAR
08	K08LN-D	HARRISON NE	192.9	APP	USERRECORD-01	

Proposal causes no interference

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#### Analysis of Interference to Affected Station 8

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KPTW	CASPER WY	BLEDT	-20090622ADW

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KGWL-TV	LANDER WY	193.7	LIC	BLCDT	-20080915ABT
08	KZSD-TV	MARTIN SD	397.5	LIC	BLEDT	-20090527AGU
08	KPTW-DR	CASPER WY	0.0	APP	BPRM	-20080619ALX
08	KCWC-DT	LANDER WY	192.9	LIC	BLEDT	-20070226AEY
08	KWYP-DT	LARAMIE WY	175.7	LIC	BLEDT	-20090317ABF
09	KFNR	RAWLINS WY	129.7	LIC	BLCDT	-20081024AAR
08	K08LN-D	HARRISON NE	192.9	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	K08CP	ENCAMPMENT WY	BLTTV	-3559

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
08	KTSC	PUEBLO CO	324.3	LIC	BLEDT	-20090612AAM
08	KPTW-DR	CASPER WY	164.6	APP	BPRM	-20080619ALX
08	KPTW	CASPER WY	164.6	LIC	BLEDT	-20090622ADW
08	KCWC-DT	LANDER WY	217.9	LIC	BLEDT	-20070226AEY
08	KWYP-DT	LARAMIE WY	106.8	LIC	BLEDT	-20090317ABF
09	KFNR	RAWLINS WY	68.3	LIC	BLCDT	-20081024AAR
08	K08LN-D	HARRISON NE	280.6	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KCWC-DT	LANDER WY	BLEDT	-20070226AEY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KGWL-TV	LANDER WY	34.7	LIC	BLCDT	-20080915ABT
08	KIFI-TV	IDAHO FALLS ID	336.8	LIC	BLCDT	-20090612AGO
08	KUSM-TV	BOZEMAN MT	384.2	LIC	BLEDT	-20050926ALC
08	KPTW-DR	CASPER WY	192.9	APP	BPRM	-20080619ALX
08	KPTW	CASPER WY	192.9	LIC	BLEDT	-20090622ADW
08	KWYP-DT	LARAMIE WY	304.0	LIC	BLEDT	-20090317ABF
09	KFNR	RAWLINS WY	151.2	LIC	BLCDT	-20081024AAR
08	K08LN-D	HARRISON NE	385.8	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KWYP-DT	LARAMIE WY	BLEDT	-20090317ABF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KMGH-TV	DENVER CO	176.5	LIC	BLCDT	-20100709AJY
07	KDUH-TV	SCOTTSBLUFF NE	206.6	LIC	BLCDT	-20050914AAH
08	KTSC	PUEBLO CO	289.5	LIC	BLEDT	-20090612AAM
08	KZSD-TV	MARTIN SD	397.8	LIC	BLEDT	-20090527AGU
08	KPTW-DR	CASPER WY	175.7	APP	BPRM	-20080619ALX
08	KPTW	CASPER WY	175.7	LIC	BLEDT	-20090622ADW
08	KCWC-DT	LANDER WY	304.0	LIC	BLEDT	-20070226AEY
09	KUSA	DENVER CO	176.5	LIC	BLCDT	-20090417AIZ
09	KFNR	RAWLINS WY	156.9	LIC	BLCDT	-20081024AAR
08	K08LN-D	HARRISON NE	203.3	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
09	K09YH-D	SCOTTSBLUFF NE	BSTA	-20140808ABF

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
09	KUSA	DENVER CO	271.3	LIC	BLCDT -20090417AIZ
09	KPNE-TV	NORTH PLATTE NE	228.7	LIC	BLEDT -20090225ABM
09	KFNR	RAWLINS WY	296.5	LIC	BLCDT -20081024AAR
08	K08LN-D	HARRISON NE	106.1	APP	USERRECORD-01

Proposal causes no interference

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# Analysis of Interference to Affected Station 13

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
09	K09YH-D	SCOTTSBLUFF NE	BLDVA -20130321AED

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
09	KUSA	DENVER CO	271.3	LIC	BLCDT -20090417AIZ
09	KPNE-TV	NORTH PLATTE NE	228.7	LIC	BLEDT -20090225ABM
09	KFNR	RAWLINS WY	296.5	LIC	BLCDT -20081024AAR
08	K08LN-D	HARRISON NE	106.1	APP	USERRECORD-01

Proposal causes no interference

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# Analysis of Interference to Affected Station 14

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
09	K09XL-D	DOUGLAS WY	BLDVL -20101203AAV

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
08	KPTW-DR	CASPER WY	76.7	APP	BPRM -20080619ALX
08	KPTW	CASPER WY	76.7	LIC	BLEDT -20090622ADW
09	KUSA	DENVER CO	337.4	LIC	BLCDT -20090417AIZ
09	KFNR	RAWLINS WY	185.7	LIC	BLCDT -20081024AAR
08	K08LN-D	HARRISON NE	116.2	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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# Analysis of Interference to Affected Station 15

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
09	K09YI-D	GILLETTE WY	BLDVL -20090807ADG

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
09	K09VL-D	BOYES & HAMMOND MT	102.8	LIC	BLDTV -20101103ACG
09	KDSE	DICKINSON ND	343.4	LIC	BLEDT -20090806AAQ
09	KFNR	RAWLINS WY	307.5	LIC	BLCDT -20081024AAR
09	K09XK-D	SHERIDAN WY	132.1	APP	BPTVA -20020405ABA
10	K10PC	GILLETTE WY	9.7	LIC	BLTVL -20080313ABI
08	K08LN-D	HARRISON NE	204.4	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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# Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	K08LN-D	HARRISON NE	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KDUH-TV	SCOTTSBLUFF NE	129.3	LIC	BLCDT -20050914AAH
08	KZSD-TV	MARTIN SD	210.9	LIC	BLEDT -20090527AGU
08	KPTW-DR	CASPER WY	192.9	APP	BPRM -20080619ALX
08	KPTW	CASPER WY	192.9	LIC	BLEDT -20090622ADW
08	KCWC-DT	LANDER WY	385.8	LIC	BLEDT -20070226AEY
08	KWYP-DT	LARAMIE WY	203.3	LIC	BLEDT -20090317ABF

Total scenarios = 1

Result key: 2

Scenario 1 Affected station 16

Before Analysis

Results for: 8A NE HARRISON USERRECORD01 APP

HAAT 193.0 m, ATV ERP 0.1 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	267	1602.0
not affected by terrain losses	262	1585.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	9	34.4
lost to ATV IX only	9	34.4
lost to all IX	9	34.4

Potential Interfering Stations Included in above Scenario 1

8A SD MARTIN	BLEDT	20090527AGU	LIC
8A WY LARAMIE	BLEDT	20090317ABF	LIC

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED