

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
Census data selected 2000
Data Base Selected
/home/Clarence.Beverage/DTV_Data_Files/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-01-2012 Time: 10:27:24

Record Selected for Analysis

K51AK USERRECORD-01 CODY WY US
Channel 50 ERP 0.975 kW HAAT 483. m RCAMSL 02007 m FULL SERVICE MASK
Latitude 044-35-14 Longitude 0108-51-08
Status APP Zone 2 Border Site number: 01
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	51.0 dBu F(50,90)	
(Deg)	(kW)	(m)	(km)	
0.0	0.975	604.6	50.1	
45.0	0.975	547.5	49.1	
90.0	0.975	574.8	49.6	
135.0	0.975	351.3	43.0	
180.0	0.975	379.6	44.1	
225.0	0.975	423.9	45.4	
270.0	0.975	478.7	47.1	
315.0	0.975	500.7	47.9	

Contour Overlap to Proposed Station

Station
K49AI 49 CODY, POWELL * WY BLTT19810318JS

Station inside contour of Digital LPTV station
K51AK 50 CODY WY USERRECORD01

Station
K51AK 51 CODY, ETC. WY BLTT19810318JR

Station inside contour of Digital LPTV station
K51AK 50 CODY WY USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

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

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
50	K51AK	CODY WY	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
36	K36EZ	BILLINGS MT	134.8	LIC	BLTTTL	-20001227ABC
42	K42ER	SHOSHONI, ETC. WY	135.7	LIC	BLTTTL	-19990412JG
47	K47AD	CODY, ETC. WY	2.2	LIC	BLTT	-19840103IG
48	K48IQ	BILLINGS MT	134.1	LIC	BLTT	-20070326AAS
49	K51KR	BILLINGS MT	134.4	CP	BDISDTL	-20110922ACX
49	K49MA-D	SAINT XAVIER MT	128.4	CP	BNPDTL	-20100505AHA
49	K49AI	CODY, POWELL * WY	0.0	LIC	BLTT	-19810318JS
50	NEW	MC CAMMON ID	344.1	APP	BNPDTL	-20100609AHI
50	K50IE-D	PRESTON ID	398.1	LIC	BLDTT	-20090107AHQ
50	K50LT-D	ASHLAND MT	254.9	LIC	BLDTT	-20101103ACE
50	K50MK-D	COLUMBUS MT	122.4	CP	BNPDTL	-20100505AGU
50	NEW	DELL MT	293.6	APP	BNPDTL	-20100609AIF
50	K50MQ-D	FORSYTH MT	252.0	CP	BDCCDTT	-20111011AEK
50	KBGF-LP	GREAT FALLS MT	377.0	LIC	BLTTTL	-20051114AJN
50	K50MA-D	HOWARD MT	241.0	CP	BDCCDTT	-20100608AIZ
50	K50KA-D	HOWARD MT	241.0	CP	BDCCDTT	-20061010ANB
50	K50GA-D	LAKETOWN, ETC. UT	358.8	LIC	BLDTT	-20100422ACP
50	K50LW-D	LOGAN UT	385.2	CP	BNPDTL	-20090825BUZ
50	K50DR	EVANSTON WY	396.5	LIC	BLTTTL	-19960513JV
51	K51HF	DRIGGS ID	188.2	LIC	BLTT	-20110617ACN
51	K51KR	BILLINGS MT	134.4	APP	BDFCDTL	-20110818ABY
51	K51KR	BILLINGS MT	134.4	LIC	BLTTTL	-20090428AAW
51	K51MA-D	BOZEMAN MT	198.8	CP	BNPDTL	-20100422ACZ
51	NEW	GREAT FALLS MT	121.6	APP	BNPDTL	-20100505AHG
53	DK53AL	CODY, ETC. WY	2.2	LIC	BLTT	-19800519IG

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
36	K36EZ	BILLINGS MT	BLTTTL	-20001227ABC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
36	K36LQ-D	SAINT XAVIER MT	53.0	CP	BNPDTL	-20100505AGY
51	K51KR	BILLINGS MT	0.5	LIC	BLTTTL	-20090428AAW
50	K51AK	CODY WY	134.8	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
42	K42ER	SHOSHONI, ETC. WY	BLTTL -19990412JG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
50	K51AK	CODY WY	135.7	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
47	K47AD	CODY, ETC. WY	BLTT -19840103IG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
50	K51AK	CODY WY	2.2	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.
48	K48IQ	BILLINGS MT	BLTT -20070326AAS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	K47NN-D	LAUREL MT	28.6	CP	BNPDTL -20100505AGV
49	K51KR	BILLINGS MT	0.5	CP	BDISDTL -20110922ACX
50	K51AK	CODY WY	134.1	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.
49	K51KR	BILLINGS MT	BDISDTL -20110922ACX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
48	K48IQ	BILLINGS MT	0.5	CP	BDFCDTT -20090821ADL
48	K48IQ	BILLINGS MT	0.5	LIC	BLTT -20070326AAS
49	K49MA-D	SAINT XAVIER MT	52.6	CP	BNPDTL -20100505AHA
50	K51AK	CODY WY	134.4	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	K49MA-D	SAINT XAVIER MT	BNPDTL -20100505AHA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
48	K48IQ	BILLINGS MT	52.1	CP	BDFCDTT -20090821ADL
49	K51KR	BILLINGS MT	52.6	CP	BDISDTL -20110922ACX
50	K51AK	CODY WY	128.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	K49AI	CODY, POWELL * WY	BLTT -19810318JS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
50	K51AK	CODY WY	0.0	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.
50	NEW	MC CAMMON ID	BNPDTL -20100609AHI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	K49HU-D	SODA SPRINGS ID	39.5	LIC	BLDTT -20100809CNU
49	NEW	SODA SPRINGS ETC ID	39.5	APP	BDCCDTL -20061031AAC
50	K50IE-D	PRESTON ID	83.4	LIC	BLDTT -20090107AHQ
50	K50LW-D	LOGAN UT	89.3	CP	BNPDTL -20090825BUZ
50	KEJT-LP	SALT LAKE CITY UT	219.0	LIC	BLTTA -20021120ABO
50	K50DR	EVANSTON WY	176.2	LIC	BLTTL -19960513JV
51	K51HM-D	SODA SPRINGS ID	39.5	LIC	BLDTT -20100809CNV
50	K51AK	CODY WY	344.1	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.
50	K50IE-D	PRESTON ID	BLDTT -20090107AHQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	K49KB-D	MALAD CITY ID	24.4	LIC	BLDTT -20080722AEM
49	K49FS-D	LOGAN UT	38.8	LIC	BLDTT -20080909ACF
50	NEW	MC CAMMON ID	83.4	APP	BNPDTL -20100609AHI
50	K50GA-D	LAKETOWN, ETC. UT	66.9	LIC	BLDTT -20100422ACP
50	K50LW-D	LOGAN UT	22.3	CP	BNPDTL -20090825BUZ
50	KEJT-LP	SALT LAKE CITY UT	136.3	LIC	BLTTA -20021120ABO
50	K50DR	EVANSTON WY	114.0	LIC	BLTTL -19960513JV
51	K51KS-D	MALAD & SURROUNDING ID	24.4	LIC	BLDTT -20081211AFE
51	K51GA-D	LOGAN UT	38.8	LIC	BLDTT -20080909ACG
50	K51AK	CODY WY	398.1	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.
50	K50LT-D	ASHLAND MT	BLDTT -20101103ACE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
50	K50MQ-D	FORSYTH MT	92.8	CP	BDCCDTT -20111011AEK
50	K51AK	CODY WY	254.9	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.
50	K50MK-D	COLUMBUS MT	BNPDTL -20100505AGU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
50	K51AK	CODY WY	122.4	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.
50	NEW	DELL MT	BNPDTL -20100609AIF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
50	K51AK	CODY WY	293.6	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.
50	K50MQ-D	FORSYTH MT	BDCCDTT -20111011AEK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	K49MH-D	FORSYTH MT	0.0	CP	BDCCDTT -20111011AEL
49	K49MH-D	FORSYTH MT	0.0	APP	BSTA -20111013AGP
49	K49LN-D	FORSYTH MT	0.0	CP	BDCCDTT -20100608AJE
50	K50LT-D	ASHLAND MT	92.8	LIC	BLDTT -20101103ACE
50	K50MA-D	HOWARD MT	25.7	CP	BDCCDTT -20100608AIZ
50	K50KA-D	HOWARD MT	25.7	CP	BDCCDTT -20061010ANB
51	K51LI-D	FORSYTH MT	0.0	CP	BDCCDTT -20100608AJD
50	K51AK	CODY WY	252.0	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.
50	KBGF-LP	GREAT FALLS MT	BLTTL -20051114AJN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
50	K51AK	CODY WY	377.0	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.
50	K50MA-D	HOWARD MT	BDCCDTT -20100608AIZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	K49MH-D	FORSYTH MT	25.7	CP	BDCCDTT -20111011AEL
49	K49MH-D	FORSYTH MT	25.7	APP	BSTA -20111013AGP
49	K49LN-D	FORSYTH MT	25.7	CP	BDCCDTT -20100608AJE
50	K50LT-D	ASHLAND MT	114.5	LIC	BLDTT -20101103ACE
50	K50MQ-D	FORSYTH MT	25.7	CP	BDCCDTT -20111011AEK
50	K50KA-D	HOWARD MT	0.0	CP	BDCCDTT -20061010ANB
51	K51LI-D	FORSYTH MT	25.7	CP	BDCCDTT -20100608AJD
51	NEW	HYSHAM MT	29.4	APP	BNPDTL -20100510ABR
50	K51AK	CODY WY	241.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	K50KA-D	HOWARD MT	BDCCDTT -20061010ANB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	K49MH-D	FORSYTH MT	25.7	CP	BDCCDTT -20111011AEL
49	K49MH-D	FORSYTH MT	25.7	APP	BSTA -20111013AGP
49	K49LN-D	FORSYTH MT	25.7	CP	BDCCDTT -20100608AJE
50	K50LT-D	ASHLAND MT	114.5	LIC	BLDTT -20101103ACE
50	K50MQ-D	FORSYTH MT	25.7	CP	BDCCDTT -20111011AEK
50	K50MA-D	HOWARD MT	0.0	CP	BDCCDTT -20100608AIZ
51	K51LI-D	FORSYTH MT	25.7	CP	BDCCDTT -20100608AJD
51	NEW	HYSHAM MT	29.4	APP	BNPDTL -20100510ABR
50	K51AK	CODY WY	241.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	K50GA-D	LAKETOWN, ETC. UT	BLDTT -20100422ACP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
50	NEW	MC CAMMON ID	111.2	APP	BNPDTL -20100609AHI
50	K50IE-D	PRESTON ID	66.9	LIC	BLDTT -20090107AHQ
50	K50LW-D	LOGAN UT	44.7	CP	BNPDTL -20090825BUZ
50	KEJT-LP	SALT LAKE CITY UT	156.5	LIC	BLTTA -20021120ABO
50	K50DR	EVANSTON WY	66.2	LIC	BLTTTL -19960513JV
50	K51AK	CODY WY	358.8	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	K50LW-D	LOGAN UT	BNPDTL -20090825BUZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	K49KB-D	MALAD CITY ID	40.3	LIC	BLDTT -20080722AEM
49	K49FS-D	LOGAN UT	37.2	LIC	BLDTT -20080909ACF
50	NEW	MC CAMMON ID	89.3	APP	BNPDTL -20100609AHI
50	K50IE-D	PRESTON ID	22.3	LIC	BLDTT -20090107AHQ
50	K50GA-D	LAKETOWN, ETC. UT	44.7	LIC	BLDTT -20100422ACP
50	KEJT-LP	SALT LAKE CITY UT	138.6	LIC	BLTTA -20021120ABO
50	K50DR	EVANSTON WY	94.8	LIC	BLTTTL -19960513JV
51	K51KS-D	MALAD & SURROUNDING ID	40.3	LIC	BLDTT -20081211AFE
51	K51GA-D	LOGAN UT	37.2	LIC	BLDTT -20080909ACG
50	K51AK	CODY WY	385.2	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 19

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	K50DR	EVANSTON WY	BLTTTL -19960513JV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
42	KUED	SALT LAKE CITY UT	133.2	LIC	BLEDT -20020403ABL
46	KJZZ-TV	SALT LAKE CITY UT	133.2	LIC	BLCDD -20021106ABD
48	KUCW	OGDEN UT	133.2	LIC	BLCDD -20020422AAQ
50	K50GA-D	LAKETOWN, ETC. UT	66.2	LIC	BLDTT -20100422ACP
50	K50GO	ROOSEVELT UT	130.5	LIC	BLTT -20040319AGP
50	KEJT-LP	SALT LAKE CITY UT	133.1	LIC	BLTTA -20021120ABO
50	K50AC	WOODLAND & KAMAS UT	91.7	LIC	BLTT -2151
50	K51AK	CODY WY	396.5	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 20

Analysis of current record

Channel	Call	City/State	Application Ref. No.
51	K51HF	DRIGGS ID	BLTT -20110617ACN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
51	K51HU	POCATELLO ID	131.7	LIC	BLTTL -20070604ADA
51	K51AK	CODY, ETC. WY	188.2	LIC	BLTT -19810318JR
50	K51AK	CODY WY	188.2	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 21

Analysis of current record

Channel	Call	City/State	Application Ref. No.
51	K51KR	BILLINGS MT	BDFCDTL -20110818ABY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
51	K51MA-D	BOZEMAN MT	187.4	CP	BNPDTL -20100422ACZ
51	NEW	GREAT FALLS MT	99.4	APP	BNPDTL -20100505AHG
51	NEW	HYSHAM MT	99.2	APP	BNPDTL -20100510ABR
51	K51AK	CODY, ETC. WY	134.4	LIC	BLTT -19810318JR
50	K51AK	CODY WY	134.4	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 22

Analysis of current record

Channel	Call	City/State	Application Ref. No.
51	K51KR	BILLINGS MT	BLTTL -20090428AAW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
51	K51AK	CODY, ETC. WY	134.4	LIC	BLTT -19810318JR
50	K51AK	CODY WY	134.4	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 23

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
51	K51MA-D	BOZEMAN MT	BNPDTL	-20100422ACZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
51	K51HF	DRIGGS ID	209.6	LIC	BLTT	-20110617ACN
51	K51LX-D	HELENA MT	150.9	CP	BNPDTL	-20100409ABP
51	K51AK	CODY, ETC. WY	198.8	LIC	BLTT	-19810318JR
50	K51AK	CODY WY	198.8	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 24

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
51	NEW	GREAT FALLS MT	BNPDTL	-20100505AHG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
51	K51KR	BILLINGS MT	99.4	APP	BDFCDTL	-20110818ABY
51	K51KR	BILLINGS MT	99.4	LIC	BLTTL	-20090428AAW
51	NEW	HYSHAM MT	117.0	APP	BNPDTL	-20100510ABR
51	K51AK	CODY, ETC. WY	121.6	LIC	BLTT	-19810318JR
50	K51AK	CODY WY	121.6	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 25

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
53	DK53AL	CODY, ETC. WY	BLTT	-19800519IG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
50	K51AK	CODY WY	2.2	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 26

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	K51AK	CODY WY	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	K49AI	CODY, POWELL * WY	0.0	LIC	BLTT -19810318JS
50	K50MK-D	COLUMBUS MT	122.4	CP	BNPDTL -20100505AGU

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 26
Before Analysis

Results for: 50A WY CODY USERRECORD01 APP

HAAT 483.0 m, ATV ERP 1.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	29820	6586.1
not affected by terrain losses	29308	5935.3
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 Interfering Stations Included in above Scenario 1

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED