

Post-Transition OET-69 Interference Analysis (K13CO, Fish Creek, Etc., ID) (Worst-Case Scenarios)

Census data selected: 2000

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 03-12-2009 Time: 15:05:11

Record Selected for Analysis

K13CO USERRECORD-01 FISH CREEK, ETC. ID US
Channel 13 ERP 0.1 kW HAAT 309. m RCAMSL 01887 m
Latitude 042-36-46 Longitude 0112-00-08
Status APP Zone 2 Border Offset Z
Dir Antenna Make CDB Model 00000000020786 Beam tilt N Ref Azimuth 280.
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

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	68.0 dBu F(50,50) (km)
0.0	0.000	142.3	0.9
45.0	0.000	33.0	0.9
90.0	0.000	138.8	0.9
135.0	0.000	33.0	0.9
180.0	0.000	33.0	0.9
225.0	0.000	118.2	0.9
270.0	0.089	308.7	12.9
315.0	0.021	33.0	3.0

Evaluation from Class A Station

Station inside contour of station

KUTF 12 LOGAN UT DTVPLN DTVP0408

Station inside contour of station

KUTF 12 LOGAN UT BPCDT 20080328ADR

Contour Overlap Evaluation from Class A Complete

Contour Overlap Evaluation from LPTV Station to LPTV Stations

Contour overlap to station

K13AY 13 GRACE, ETC. ID BLTTV 3837

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

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Contour Overlap to Proposed Station

Station
K13AY 13 GRACE, ETC. ID BLTTV3837 causes

Contour overlap to station
K13CO 13 FISH CREEK, ETC. ID USERRECORD01

Contour Overlap Evaluation to Proposed Station 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

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
13	K13CO	FISH CREEK, ETC. ID	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
12	KUTF	LOGAN UT	94.0	PLN	DTVPLN	-DTVP0408
12	KUTF	LOGAN UT	94.0	CP	BPCDT	-20080328ADR
13	K13AY	GRACE, ETC. ID	26.2	LIC	BLTTV	-3837

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
12	KUTF	LOGAN UT	DTVPLN	-DTVP0408

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
11	KMVT	TWIN FALLS ID	208.0	CP MOD	BMPCDT	-20080619AFV
11	KMVT	TWIN FALLS ID	208.0	PLN	DTVPLN	-DTVP0312
11	KCBU	PRICE UT	203.0	APP	BMPCDT	-20080620AAQ
11	KBEO	JACKSON WY	222.3	PLN	DTVPLN	-DTVP0356
12	KKCO	GRAND JUNCTION CO	422.1	LIC	BLCDT	-20030401ABM
12	KKCO	GRAND JUNCTION CO	422.1	PLN	DTVPLN	-DTVP0362
13	K13CO	FISH CREEK, ETC. ID	94.0	APP	USERRECORD-01	

Proposal causes no interference

Post-Transition OET-69 Interference Analysis (K13CO, Fish Creek, Etc., ID) (Worst-Case Scenarios)

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
12	KUTF	LOGAN UT	BPCDT	-20080328ADR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
11	KMVT	TWIN FALLS ID	208.0	CP MOD	BMPCDT	-20080619AFV
11	KMVT	TWIN FALLS ID	208.0	PLN	DTVPLN	-DTVP0312
11	KCBU	PRICE UT	203.0	APP	BMPCDT	-20080620AAQ
11	KBEO	JACKSON WY	222.3	PLN	DTVPLN	-DTVP0356
12	KKCO	GRAND JUNCTION CO	422.1	LIC	BLCDDT	-20030401ABM
12	KKCO	GRAND JUNCTION CO	422.1	PLN	DTVPLN	-DTVP0362
13	K13CO	FISH CREEK, ETC. ID	94.0	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.
13	K13AY	GRACE, ETC. ID	BLTTV	-3837

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
12	K12LK	SODA SPRINGS, ETC. ID	0.0	LIC	BLTTV	-19820111IT
12	KUTF	LOGAN UT	104.3	PLN	DTVPLN	-DTVP0408
12	KUTF	LOGAN UT	104.3	CP	BPCDT	-20080328ADR
13	K13VI	BLACKFOOT ID	83.6	LIC	BLTVL	-19880811IE
13	K13QY	DINGLE, ETC. ID	47.3	LIC	BLTTV	-19810721II
13	K13QE	DRIGGS, ETC. ID	138.3	LIC	BLTTV	-19800910IA
13	K13CO	FISH CREEK, ETC. ID	26.1	LIC	BLTTV	-3326
13	K13QH	IRWIN & SWAN VALLEY ID	95.8	LIC	BLTTV	-19820216JQ
13	K13HA	MINK CREEK ID	42.1	LIC	BLTTV	-1569
13	K13HA	MINK CREEK ID	42.1	CP	BDFCDTV	-20080707AHV
13	KTRV-TV	NAMPA ID	378.9	LIC	BLCDDT	-20050516ATS
13	KTRV-TV	NAMPA ID	378.9	PLN	DTVPLN	-DTVP0430
13	K13UF	REXBURG ID	130.2	APP	BDFCDTV	-20090204ABA
13	K13UF	REXBURG ID	130.2	LIC	BLTTV	-20080717ABY
13	K13VJ	SHELLEY ID	91.0	LIC	BLTVL	-19880811IF
13	KBZK	BOZEMAN MT	344.5	PLN	DTVPLN	-DTVP0447
13	KBZK	BOZEMAN MT	344.5	LIC	BLCDDT	-20050825AAQ
13	K13YY-D	GALLATIN RIVER, ETC. MT	294.8	CP	BDCCDVL	-20061010ANW
13	K13QJ	RANDOLPH UT	117.6	LIC	BLTTV	-19800912IN
13	K13LY	HOBACK JUNCTION WY	112.6	LIC	BLTTV	-4392
13	K13FZ	JACKSON WY	119.4	APP	BSTA	-20060526AAY
13	K13FZ	JACKSON WY	119.4	LIC	BLTVL	-20080827AAZ
13	KGWR-TV	ROCK SPRINGS WY	250.2	CP MOD	BMPCDT	-20080506ABK
13	KGWR-TV	ROCK SPRINGS WY	250.2	PLN	DTVPLN	-DTVP0489
13	K13CO	FISH CREEK, ETC. ID	26.2	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 3 K13AY

Post-Transition OET-69 Interference Analysis (K13CO, Fish Creek, Etc., ID) (Worst-Case Scenarios)

Before Analysis

Results for: 13N ID GRACE, ETC.	BLTTV	3837	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	6055	680.6	
not affected by terrain losses	6034	653.9	
lost to NTSC IX	1562	210.4	
lost to additional IX by ATV	51	9.9	
lost to all IX	1613	220.3	

Potential Interfering Stations Included in above Scenario 1

13N ID MINK CREEK	BLTTV	1569	LIC
13A ID MINK CREEK	BDFCDTV	20080707AHV	CP
13N ID FISH CREEK, ETC.	BLTTV	3326	LIC

After Analysis

Results for: 13N ID GRACE, ETC.	BLTTV	3837	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	6055	680.6	
not affected by terrain losses	6034	653.9	
lost to NTSC IX	1509	202.5	
lost to additional IX by ATV	51	9.9	
lost to all IX	1560	212.4	

Potential Interfering Stations Included in above Scenario 1

13N ID MINK CREEK	BLTTV	1569	LIC
13A ID MINK CREEK	BDFCDTV	20080707AHV	CP
13N ID FISH CREEK, ETC.	USERRECORD01		APP

Percent new IX = -0.8753%

Worst case new IX -0.8753% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
13	K13CO	FISH CREEK, ETC. ID	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
12	K12LK	SODA SPRINGS, ETC. ID	26.2	LIC	BLTTV -19820111IT
12	KUTF	LOGAN UT	94.0	PLN	DTVPLN -DTVP0408
12	KUTF	LOGAN UT	94.0	CP	BPCDT -20080328ADR
13	K13VI	BLACKFOOT ID	71.2	LIC	BLTVL -19880811IE
13	K13QY	DINGLE, ETC. ID	67.0	LIC	BLTTV -19810721II
13	K13QE	DRIGGS, ETC. ID	152.3	LIC	BLTTV -19800910IA
13	K13AY	GRACE, ETC. ID	26.2	LIC	BLTTV -3837
13	K13QH	IRWIN & SWAN VALLEY ID	107.8	LIC	BLTTV -19820216JQ
13	K13HA	MINK CREEK ID	45.9	LIC	BLTTV -1569
13	K13HA	MINK CREEK ID	45.9	CP	BDFCDTV -20080707AHV
13	KTRV-TV	NAMPA ID	355.3	LIC	BLCDT -20050516ATS
13	KTRV-TV	NAMPA ID	355.3	PLN	DTVPLN -DTVP0430
13	K13UF	REXBURG ID	133.2	APP	BDFCDTV -20090204ABA
13	KBZK	BOZEMAN MT	352.0	PLN	DTVPLN -DTVP0447
13	KBZK	BOZEMAN MT	352.0	LIC	BLCDT -20050825AAQ
13	K13YY-D	GALLATIN RIVER, ETC. MT	299.8	CP	BDCCDVL -20061010ANW
13	K13QJ	RANDOLPH UT	129.0	LIC	BLTTV -19800912IN

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13	K13LY	HOBACK JUNCTION WY	132.9	LIC	BLTTV	-4392
13	K13FZ	JACKSON WY	138.6	APP	BSTA	-20060526AAY
13	K13FZ	JACKSON WY	138.6	LIC	BLTVL	-20080827AAZ
13	KGWR-TV	ROCK SPRINGS WY	272.0	CP MOD	BMPCDT	-20080506ABK
13	KGWR-TV	ROCK SPRINGS WY	272.0	PLN	DTVPLN	-DTVP0489

Total scenarios = 1

Result key: 2
 Scenario 1 Affected station 4 K13CO
 Before Analysis

Results for: 13N ID FISH CREEK, ETC.	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	823	63.2
not affected by terrain losses	796	60.3
lost to NTSC IX	162	16.8
lost to additional IX by ATV	0	0.0
lost to all IX	162	16.8

Potential Interfering Stations Included in above Scenario 1

13N ID GRACE, ETC.	BLTTV	3837	LIC
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