

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

Census data selected: 1990

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 03-12-2009

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 BLCT 20011128ABP

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

Contour Overlap to Proposed Station

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

Station
K13AY 13 GRACE, ETC. ID BLTTV3837 causes

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

Station
KSTU 13 SALT LAKE CITY UT BLCT19871116KE causes

Contour overlap to Class A 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 | LIC | BLCT -20011128ABP |
| 13 | K13AY | GRACE, ETC. ID | 26.2 | LIC | BLTTV -3837 |

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Analysis of Interference to Affected Station 1

NTSC Baseline Analysis

| Channel | Call | City/State | Application Ref. No. |
|---------|------|------------|----------------------|
| 12 | NEW | LOGAN UT | DTVPLN -NPLN0800 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|--------|-------------------|----------|--------|----------------------|
| 11 | KMVT | TWIN FALLS ID | 208.0 | PLN | DTVPLN -NPLN0711 |
| 11 | KBYUTV | PROVO UT | 131.0 | PLN | DTVPLN -NPLN0746 |
| 12 | KTRV | NAMPA ID | 383.9 | PLN | DTVPLN -NPLN0764 |
| 13 | KIPT | TWIN FALLS ID | 208.0 | PLN | DTVPLN -NPLN0827 |
| 13 | KSTU | SALT LAKE CITY UT | 125.2 | PLN | DTVPLN -NPLN0870 |

Results for: 12N UT LOGAN DTVPLN NPLN0800 PLN
POPULATION AREA (sq km)

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

| | | |
|--------------------------------|--------|---------|
| within Noise Limited Contour | 848274 | 46269.9 |
| not affected by terrain losses | 654597 | 30081.9 |
| lost to NTSC IX | 363270 | 2378.3 |
| lost to additional IX by ATV | 0 | 0.0 |
| lost to all IX | 363270 | 2378.3 |

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|------------|-------------|--------------|
| 12 | KUTF | LOGAN UT | BLCT | -20011128ABP |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|---------------------|----------|--------|---------------|--------------|
| 11 | KBYU-TV | PROVO UT | 130.9 | LIC | BMLET | -19880701KG |
| 11 | KBYU-TV | PROVO UT | 130.9 | APP | BPET | -19960717KE |
| 12 | KTRV-TV | NAMPA ID | 384.0 | LIC | BLCT | -19811015KE |
| 12 | KTRV-TV | NAMPA ID | 384.0 | APP | BSTA | -20070716ABQ |
| 13 | KIPT | TWIN FALLS ID | 208.0 | LIC | BMLET | -20030116AAC |
| 13 | KSTU | SALT LAKE CITY UT | 125.1 | APP | BSTA | -20060530ADY |
| 13 | KSTU | SALT LAKE CITY UT | 125.1 | LIC | BLCT | -19871116KE |
| 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 2

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 | LIC | BLCT | -20011128ABP |
| 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 | CP | BDFCDTV | -20080707AHV |
| 13 | K13HA | MINK CREEK ID | 42.1 | LIC | BLTTV | -1569 |
| 13 | KTRV | NAMPA ID | 378.9 | LIC | BPRM | -20000412AAG |
| 13 | KTRV-TV | NAMPA ID | 378.9 | LIC | BLCDT | -20050516ATS |
| 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 | KIPT | TWIN FALLS ID | 223.5 | LIC | BMLET | -20030116AAC |
| 13 | KBZK-TV | BOZEMAN MT | 344.5 | LIC | BPRM | -20001019ACI |
| 13 | KBZK | BOZEMAN MT | 344.5 | LIC | BLCDT | -20050825AAQ |
| 13 | K13YY-D | GALLATIN RIVER, ETC. MT | 294.8 | CP | BDCCDVL | -20061010ANW |
| 13 | K13QJ | RANDOLPH UT | 117.6 | LIC | BLTTV | -19800912IN |
| 13 | KSTU | SALT LAKE CITY UT | 223.3 | APP | BSTA | -20060530ADY |
| 13 | KSTU | SALT LAKE CITY UT | 223.3 | LIC | BLCT | -19871116KE |
| 13 | K13LY | HOBACK JUNCTION WY | 112.6 | LIC | BLTTV | -4392 |
| 13 | K13FZ | JACKSON WY | 119.4 | LIC | BLTVL | -20080827AAZ |
| 13 | K13FZ | JACKSON WY | 119.4 | APP | BSTA | -20060526AAY |
| 13 | K13CO | FISH CREEK, ETC. ID | 26.2 | APP | USERRECORD-01 | |

Total scenarios = 1

Result key: 1

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

Scenario 1 Affected station 2 K13AY
Before Analysis

| | | | |
|---------------------------------|------------|--------------|-----|
| Results for: 13N ID GRACE, ETC. | BLTTV | 3837 | LIC |
| | POPULATION | AREA (sq km) | |
| within Noise Limited Contour | 5895 | 679.6 | |
| not affected by terrain losses | 5873 | 651.9 | |
| lost to NTSC IX | 1571 | 208.4 | |
| lost to additional IX by ATV | 63 | 9.9 | |
| lost to all IX | 1634 | 218.3 | |

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 | 5895 | 679.6 | |
| not affected by terrain losses | 5873 | 651.9 | |
| lost to NTSC IX | 1440 | 199.5 | |
| lost to additional IX by ATV | 63 | 9.9 | |
| lost to all IX | 1503 | 209.4 | |

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 = -2.2222%

Worst case new IX -2.2222% Scenario 1

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Analysis of Interference to Affected Station 3

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 | LIC | BLCT -20011128ABP |
| 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 | CP | BDFCDTV -20080707AHV |
| 13 | K13HA | MINK CREEK ID | 45.9 | LIC | BLTTV -1569 |
| 13 | KTRV | NAMPA ID | 355.3 | LIC | BPRM -20000412AAG |
| 13 | KTRV-TV | NAMPA ID | 355.3 | LIC | BLCDT -20050516ATS |
| 13 | K13UF | REXBURG ID | 133.2 | APP | BDFCDTV -20090204ABA |
| 13 | KIPT | TWIN FALLS ID | 197.6 | LIC | BMLET -20030116AAC |
| 13 | KBZK-TV | BOZEMAN MT | 352.0 | LIC | BPRM -20001019ACI |
| 13 | KBZK | BOZEMAN MT | 352.0 | LIC | BLCDT -20050825AAQ |
| 13 | K13YY-D | GALLATIN RIVER, ETC. MT | 299.8 | CP | BDCCDVL -20061010ANW |

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

| | | | | | | |
|----|-------|--------------------|-------|-----|-------|--------------|
| 13 | K13QJ | RANDOLPH UT | 129.0 | LIC | BLTTV | -19800912IN |
| 13 | KSTU | SALT LAKE CITY UT | 217.8 | APP | BSTA | -20060530ADY |
| 13 | KSTU | SALT LAKE CITY UT | 217.8 | LIC | BLCT | -19871116KE |
| 13 | K13LY | HOBACK JUNCTION WY | 132.9 | LIC | BLTTV | -4392 |
| 13 | K13FZ | JACKSON WY | 138.6 | LIC | BLTVL | -20080827AAZ |
| 13 | K13FZ | JACKSON WY | 138.6 | APP | BSTA | -20060526AAY |

Total scenarios = 1

Result key: 2
 Scenario 1 Affected station 3 K13CO
 Before Analysis

| | | |
|--------------------------------------|--------------|--------------|
| Results for: 13N ID FISH CREEK, ETC. | USERRECORD01 | APP |
| | POPULATION | AREA (sq km) |
| within Noise Limited Contour | 662 | 64.2 |
| not affected by terrain losses | 648 | 61.2 |
| lost to NTSC IX | 141 | 17.8 |
| lost to additional IX by ATV | 0 | 0.0 |
| lost to all IX | 141 | 17.8 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|--------------------|-------|------|-----|
| 13N ID GRACE, ETC. | BLTTV | 3837 | LIC |
|--------------------|-------|------|-----|

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