tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: K11WR-D .100kW\_stringent, Model: Longley-Rice

Start: 2019.12.17 10:57:36

Study created: 2019.12.17 10:57:35

Study build station data: LMS TV 2019-12-17

 Proposal: K11WR-D D11 LD LIC COUNCIL, ID

 File number: K11WR-D .100kW\_stringent

 Facility ID: 62452

 Station data: User record

 Record ID: 154

 Country: U.S.

 Build options:

 Protect pre-transition records not on baseline channel

 Stations potentially affected by proposal:

 **IX Call Chan Svc Status City, State File Number Distance**

Yes KNIN-TV D10 DT LIC CALDWELL, ID BLCDT20111007AEB 104.6 km

No K10NF-D D10 LD LIC HALFWAY, OR BLDTV20120615AAS 52.3

No KWSU-TV D10 DT LIC PULLMAN, WA BLANK0000001648 250.9

No KWSU-TV D10 DT APP PULLMAN, WA BLANK0000035683 250.9

No K11XP-D D11 LD CP BOISE, ID BLANK0000072725 104.5

No K11PB-D D11 LD CP CAMBRIDGE, ID BLANK0000081281 22.3

**IX Call Chan Svc Status City, State File Number Distance**

No K11PB-D D11 LD LIC CAMBRIDGE, ID BLDTV20090623ACP 22.4

No K11CR N11 TX LIC FERDINAND, ID BLTTV192 165.5

No K11DL-D D11 LD LIC JULIAETTA, ID BLDTV20120117ABD 213.8

No K11KO-D D11 LD LIC KAMIAH, ID BLANK0000064772 173.3

No K11KO-D N11 TX LIC KAMIAH, ID BLTTV3724 172.8

No K11BD-D D11 LD LIC LEADORE, ID BLDTV20101216AAV 245.6

Yes K11WT-D D11 LD LIC MCCALL, ID BLDTV20111208AXF 45.3

Yes K11WT-D D11 LD CP MCCALL, ID BDCCDTV20110420AAV 45.3

No K11TY-D D11 LD LIC SALMON, ID BLDTV20110104AAL 207.1

No K10OA-D D11 LD CP TERRACE LAKES, ID BDISDTV20120112AEH 69.8

No K10OA-D D11 LD LIC TERRACE LAKES, ID BLDTV20130123ADJ 69.8

No KMVT D11 DT LIC TWIN FALLS, ID BLCDT20090403ABW 269.6

No K11LA-D D11 LD LIC BASIN, MT BLDTV20091123AAC 371.3

No K11IL-D D11 LD LIC BITTERROOT RANGE, ET, MT BLDTV20090909ACI 353.4

No KUFM-TV D11 DT LIC MISSOULA, MT BLEDT20101008ACD 305.3

No K11JP-D D11 LD LIC PLAINS-PARADISE, MT BLDTV20090617AAF 337.5

No K11HO-D D11 LD LIC POLSON, MT BLDTV20090723ACX 378.9

No K11FF-D D11 LD LIC SUPERIOR, MT BLDTV20140903AHQ 303.0

No K11FQ-D D11 LD LIC THOMPSON FALLS, MT BLDTV20090610ADS 331.4

No K11MU-D D11 LD LIC PARADISE VALLEY, NV BLDTV20110701ACL 344.7

**IX Call Chan Svc Status City, State File Number Distance**

No KOAB-TV D11 DT LIC BEND, OR BLEDT20060823AAP 394.0

No KFFX-TV D11 DT LIC PENDLETON, OR BLCDT20140424AHO 173.7

No KXMN-LP N11+ TX LIC SPOKANE, ETC., WA BLTVL20071212ABD 330.5

No K12XM-D D12 LD CP BOISE, ID BLANK0000071984 104.5

No KUID-TV D12 DT LIC MOSCOW, ID BLEDT20060804AFK 228.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D11

Mask: Stringent

Latitude: 44 39 47.21 N (NAD83)

Longitude: 116 26 29.16 W

Height AMSL: 1054.0 m

HAAT: 0.0 m

Peak ERP: 0.100 kW

 Antenna: SCA-HDCA-10-11 (ID 20789) 0.0 deg

Elevation Pattern: Generic

48.0 dBu contour:

**Azimuth ERP HAAT Distance**

0.0 deg 0.100 kW 142.2 m 21.5 km

45.0 0.010 -448.0 4.6

90.0 0.000 -297.6 1.5

135.0 0.000 -222.4 2.8

180.0 0.010 130.0 9.1

225.0 0.000 137.7 6.0

270.0 0.000 114.9 1.5

315.0 0.000 -129.0 4.2

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: -72 m

Distance to Canadian border: 482.1 km

Distance to Mexican border: 1335.5 km

Conditions at FCC monitoring station: Ferndale WA

Bearing: 317.9 degrees Distance: 665.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 114.8 degrees Distance: 1044.8 km

Study cell size: 1.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

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**Interference to BLCDT20111007AEB LIC scenario 1**

 Call Chan Svc Status City, State File Number Distance

Desired: KNIN-TV D10 DT LIC CALDWELL, ID BLCDT20111007AEB

Undesireds: K11WR-D D11 LD LIC COUNCIL, ID K11WR-D .100kW\_stringen 104.6 km

 KBOI-TV D9 DT LIC BOISE, ID BLCDT20120906AAZ 0.1

 KENV-DT D10 DT LIC ELKO, NV BLANK0000001632 340.0

 KWSU-TV D10 DT LIC PULLMAN, WA BLANK0000001648 355.4

 KMVT D11 DT LIC TWIN FALLS, ID BLCDT20090403ABW 177.7

 Service area Terrain-limited I X-free, before I X-free, after Percent New IX

 38587.0 709,698 33756.9 704,800 33133.0 704,324 33127.0 704,307 0.02 0.00

Undesired Total IX Unique IX, before Unique IX, after

K11WR-D D11 LD LIC 6.0 17 6.0 17

KBOI-TV D9 DT LIC 550.8 454 550.8 454 550.8 454

KENV-DT D10 DT LIC 3.0 0 2.0 0 2.0 0

KWSU-TV D10 DT LIC 2.0 1 2.0 1 2.0 1

KMVT D11 DT LIC 69.1 21 68.1 21 68.1 21

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**Interference to BLCDT20111007AEB LIC scenario 2**

 Call Chan Svc Status City, State File Number Distance

Desired: KNIN-TV D10 DT LIC CALDWELL, ID BLCDT20111007AEB

Undesireds: K11WR-D D11 LD LIC COUNCIL, ID K11WR-D .100kW\_stringen 104.6 km

 KBOI-TV D9 DT LIC BOISE, ID BLCDT20120906AAZ 0.1

 KENV-DT D10 DT LIC ELKO, NV BLANK0000001632 340.0

 KWSU-TV D10 DT APP PULLMAN, WA BLANK0000035683 355.4

 KMVT D11 DT LIC TWIN FALLS, ID BLCDT20090403ABW 177.7

 Service area Terrain-limited IX-free, before IX-free, after Percent New IX

 38587.0 709,698 33756.9 704,800 33121.9 704,324 33116.9 704,307 0.02 0.00

Undesired Total IX Unique IX, before Unique IX, after

K11WR-D D11 LD LIC 6.0 17 5.0 17

KBOI-TV D9 DT LIC 550.8 454 550.8 454 550.8 454

KENV-DT D10 DT LIC 3.0 0 2.0 0 2.0 0

KWSU-TV D10 DT APP 13.0 1 13.0 1 12.0 1

KMVT D11 DT LIC 69.1 21 68.1 21 68.1 21

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**Interference to BLCDT20111007AEB LIC scenario 3**

 Call Chan Svc Status City, State File Number Distance

Desired: KNIN-TV D10 DT LIC CALDWELL, ID BLCDT20111007AEB

Undesireds: K11WR-D D11 LD LIC COUNCIL, ID K11WR-D .100kW\_stringen 104.6 km

 KBOI-TV D9 DT APP BOISE, ID BLANK0000036083 0.1

 KENV-DT D10 DT LIC ELKO, NV BLANK0000001632 340.0

 KWSU-TV D10 DT LIC PULLMAN, WA BLANK0000001648 355.4

 KMVT D11 DT LIC TWIN FALLS, ID BLCDT20090403ABW 177.7

 Service area Terrain-limited IX-free, before IX-free, after Percent New IX

 38587.0 709,698 33756.9 704,800 33107.7 704,309 33101.7 704,292 0.02 0.00

Undesired Total IX Unique IX, before Unique IX, after

K11WR-D D11 LD LIC 6.0 17 6.0 17

KBOI-TV D9 DT APP 576.1 469 576.1 469 576.1 469

KENV-DT D10 DT LIC 3.0 0 2.0 0 2.0 0

KWSU-TV D10 DT LIC 2.0 1 2.0 1 2.0 1

KMVT D11 DT LIC 69.1 21 68.1 21 68.1 21

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**Interference to BLCDT20111007AEB LIC scenario 4**

 Call Chan Svc Status City, State File Number Distance

Desired: KNIN-TV D10 DT LIC CALDWELL, ID BLCDT20111007AEB

Undesireds: K11WR-D D11 LD LIC COUNCIL, ID K11WR-D .100kW\_stringen 104.6 km

 KBOI-TV D9 DT APP BOISE, ID BLANK0000036083 0.1

 KENV-DT D10 DT LIC ELKO, NV BLANK0000001632 340.0

 KWSU-TV D10 DT APP PULLMAN, WA BLANK0000035683 355.4

 KMVT D11 DT LIC TWIN FALLS, ID BLCDT20090403ABW 177.7

 Service area Terrain-limited IX-free, before IX-free, after Percent New IX

 38587.0 709,698 3 3756.9 704,800 33096.7 704,309 33091.7 704,292 0.02 0.00

Undesired Total IX Unique IX, before Unique IX, after

K11WR-D D11 LD LIC 6.0 17 5.0 17

KBOI-TV D9 DT APP 576.1 469 576.1 469 576.1 469

KENV-DT D10 DT LIC 3.0 0 2.0 0 2.0 0

KWSU-TV D10 DT APP 13.0 1 13.0 1 12.0 1

KMVT D11 DT LIC 69.1 21 68.1 21 68.1 21

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**Interference to BLDTV20111208AXF LIC scenario 1**

 Call Chan Svc Status City, State File Number Distance

Desired: K11WT-D D11 LD LIC MCCALL, ID BLDTV20111208AXF

Undesireds: K11WR-D D11 LD LIC COUNCIL, ID K11WR-D .100kW\_stringen 45.3 km

 K11XP-D D11 LD CP BOISE, ID BLANK0000072725 139.2

 K11PB-D D11 LD CP CAMBRIDGE, ID BLANK0000081281 66.9

 K11KO-D D11 LD LIC KAMIAH, ID BLANK0000064772 132.3

 K10OA-D D11 LD CP TERRACE LAKES, ID BDISDTV20120112AEH 99.6

 KFFX-TV D11 DT LIC PENDLETON, OR BLCDT20140424AHO 169.9

 Service area Terrain-limited IX-free, before IX-free, after Percent New IX

 2933.9 10,503 2407.6 9,272 2300.4 9,272 2252.7 9,270 2.08 0.02

Undesired Total IX Unique IX, before Unique IX, after

K11WR-D D11 LD LIC 90.3 2 47.8 2

K11XP-D D11 LD CP 98.2 0 97.2 0 56.6 0

K11PB-D D11 LD CP 3.0 0 2.0 0 1.0 0

KFFX-TV D11 DT LIC 7.0 0 7.0 0 7.0 0

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**Interference to BLDTV20111208AXF LIC scenario 2**

 Call Chan Svc Status City, State File Number Distance

Desired: K11WT-D D11 LD LIC MCCALL, ID BLDTV20111208AXF

Undesireds: K11WR-D D11 LD LIC COUNCIL, ID K11WR-D .100kW\_stringen 45.3 km

 K11XP-D D11 LD CP BOISE, ID BLANK0000072725 139.2

 K11PB-D D11 LD LIC CAMBRIDGE, ID BLDTV20090623ACP 67.0

 K11KO-D D11 LD LIC KAMIAH, ID BLANK0000064772 132.3

 K10OA-D D11 LD CP TERRACE LAKES, ID BDISDTV20120112AEH 99.6

 KFFX-TV D11 DT LIC PENDLETON, OR BLCDT20140424AHO 169.9

 Service area Terrain-limited IX-free, before IX-free, after Percent New IX

 2933.9 10,503 2407.6 9,272 2301.4 9,272 2252.7 9,270 2.12 0.02

Undesired Total IX Unique IX, before Unique IX, after

K11WR-D D11 LD LIC 90.3 2 48.7 2

K11XP-D D11 LD CP 98.2 0 97.2 0 56.6 0

K11PB-D D11 LD LIC 2.0 0 1.0 0 1.0 0

KFFX-TV D11 DT LIC 7.0 0 7.0 0 7.0 0

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**Interference to BDCCDTV20110420AAV CP scenario 1**

 Call Chan Svc Status City, State File Number Distance

Desired: K11WT-D D11 LD CP MCCALL, ID BDCCDTV20110420AAV

Undesireds: K11WR-D D11 LD LIC COUNCIL, ID K11WR-D .100kW\_stringen 45.3 km

 K11XP-D D11 LD CP BOISE, ID BLANK0000072725 139.2

 K11PB-D D11 LD CP CAMBRIDGE, ID BLANK0000081281 66.9

 K11KO-D D11 LD LIC KAMIAH, ID BLANK0000064772 132.3

 K10OA-D D11 LD CP TERRACE LAKES, ID BDISDTV20120112AEH 99.6

 KFFX-TV D11 DT LIC PENDLETON, OR BLCDT20140424AHO 169.9

 Service area Terrain-limited IX-free, before IX-free, after Percent New IX

 2915.9 10,288 2398.6 9,272 2291.4 9,272 2243.7 9,270 2.08 0.02

Undesired Total IX Unique IX, before Unique IX, after

K11WR-D D11 LD LIC 90.3 2 47.8 2

K11XP-D D11 LD CP 98.2 0 97.2 0 56.6 0

K11PB-D D11 LD CP 2.0 0 1.0 0 0.0 0

KFFX-TV D11 DT LIC 8.0 0 8.0 0 8.0 0

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**Interference to BDCCDTV20110420AAV CP scenario 2**

 Call Chan Svc Status City, State File Number Distance

Desired: K11WT-D D11 LD CP MCCALL, ID BDCCDTV20110420AAV

Undesireds: K11WR-D D11 LD LIC COUNCIL, ID K11WR-D .100kW\_stringen 45.3 km

 K11XP-D D11 LD CP BOISE, ID BLANK0000072725 139.2

 K11PB-D D11 LD LIC CAMBRIDGE, ID BLDTV20090623ACP 67.0

 K11KO-D D11 LD LIC KAMIAH, ID BLANK0000064772 132.3

 K10OA-D D11 LD CP TERRACE LAKES, ID BDISDTV20120112AEH 99.6

 KFFX-TV D11 DT LIC PENDLETON, OR BLCDT20140424AHO 169.9

 Service area Terrain-limited IX-free, before IX-free, after Percent New IX

 2915.9 10,288 2398.6 9,272 2292.4 9,272 2243.7 9,270 2.13 0.02

Undesired Total IX Unique IX, before Unique IX, after

K11WR-D D11 LD LIC 90.3 2 48.7 2

K11XP-D D11 LD CP 98.2 0 97.2 0 56.6 0

K11PB-D D11 LD LIC 1.0 0 0.0 0 0.0 0

KFFX-TV D11 DT LIC 8.0 0 8.0 0 8.0 0

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**Interference to proposal scenario 1**

 Call Chan Svc Status City, State File Number Distance

Desired: K11WR-D D11 LD LIC COUNCIL, ID K11WR-D .100kW\_stringen

Undesireds: K11XP-D D11 LD CP BOISE, ID BLANK0000072725 104.5 km

 K11PB-D D11 LD CP CAMBRIDGE, ID BLANK0000081281 22.3

 K11KO-D D11 LD LIC KAMIAH, ID BLANK0000064772 173.3

 K11WT-D D11 LD LIC MCCALL, ID BLDTV20111208AXF 45.3

 K10OA-D D11 LD CP TERRACE LAKES, ID BDISDTV20120112AEH 69.8

 Service area Terrain-limited IX-free Percent IX

 183.1 1,593 179.1 1,593 178.0 1,593 0.57 0.00

Undesired Total IX Unique IX Prcnt Unique IX

K11XP-D D11 LD CP 1.0 0 1.0 0 0.57 0.00