# INTERFERENCE ANALYSIS FOR PROPOSED K42CM-D, CENTRALIA/CHEHALIS, WA, CHANNEL 17

tvstudy v2.2.5 (4uoc83)
Database: localhost,  Study: k42cm17p1,  Model: Longley-Rice

Study build station data: LMS TV 2018-04-16

    Proposal: K42CM17P1 D17 LD APP CENTRALIA/CHEHALIS, WA
 File number: k42cm17p1
 Facility ID: 33895
Station data: User record
   Record ID: 2611
     Country: U.S.

Build options:
Protect pre-transition records not on baseline channel
Protect baseline records from LPTV

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

| IX | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Yes | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 117.2 km |
| No | K41KT-D | D16 | LD | APP | GRAYS RIVER, WA | BLANK0000048450 | 39.1 |
| Yes | KFFV | D16 | DT | CP | SEATTLE, WA | BLANK0000027889 | 130.9 |
| Yes | KFFV | D16 | DT | APP | SEATTLE, WA | BLANK0000034504 | 130.9 |
| Yes | KFFV | D16 | DT | BL | SEATTLE, WA | DTVBL49264 | 130.9 |
| No | KBTC-TV | D16 | LD | LIC | TACOMA, WA | BLEDT20130726ADF | 130.9 |
| No | KNDO | D16 | DT | LIC | YAKIMA, WA | BLCDT20090217ACI | 195.0 |
| No | K17GK-D | D17 | LD | LIC | ARLINGTON, OR | BLDTT20100910ADG | 233.7 |
| No | K17HA-D | D17 | LD | LIC | ASTORIA, OR | BLDTT20120713ADN | 70.8 |
| Yes | K17HA-D | D17 | LD | APP | ASTORIA, OR | BPDTT20121012ACV | 70.8 |
| No | K17LY-D | D17 | LD | CP | BEND, OR | BNPDTL20100716ACU | 306.9 |
| No | KABH-CD | D17 | DC | LIC | BEND, OR | BLDTA20131029ABN | 306.9 |
| No | KMTR | D17 | DT | LIC | EUGENE, OR | BLCDT20030618AAY | 271.1 |
| Yes | KMTR | D17 | DT | APP | EUGENE, OR | BLANK0000035793 | 283.7 |
| Yes | K17GV-D | D17 | LD | LIC | Ranier, OR | BLANK0000049611 | 46.3 |
| Yes | K17GV-D | N17- | TX | LIC | Ranier, OR | BLTT20070209ABT | 46.3 |
| No | K17IL-D | D17 | LD | LIC | ELLENSBURG, ETC., WA | BLDTT20090506ACN | 202.7 |
| Yes | K17IZ-D | D17 | LD | LIC | EVERETT, WA | BLDTL20101201AEX | 178.5 |
| No | K17EV-D | D17 | LD | LIC | OMAK, WA | BLDTT20120530AOX | 351.8 |
| No | KELZ-LD | D17 | LD | CP | PASCO, WA | BNPDTL20101001AAE | 301.0 |
| No | K17KR-D | D17 | LD | LIC | WINTHROP, WA | BLDTT20120614ABY | 301.7 |
| No | K17KI-D | D17 | LD | CP | YAKIMA, WA | BNPDTL20100422ADD | 183.2 |
| No | K18EL-D | D18 | LD | LIC | NEWBERG/TIGARD, OR | BLDTT20140521ACS | 133.5 |
| No | K18HH-D | D18 | LD | LIC | THE DALLES, OR | BLDTT20120621ABT | 176.4 |
| No | KRUM-LD | D18 | LD | APP | SEATTLE, WA | BLANK0000052230 | 117.9 |
| No | KUSE-LD | D18 | LD | APP | SEATTLE, WA | BLANK0000052542 | 134.0 |
| No | CH4388 | D17 | DC | LIC | BECHER BAY, BC | BLANKCANLP30 | 203.4 |
| No | CIVI-DT-2 | D17 | DT | LIC | VANCOUVER, BC | BLANKCANADA92 | 311.4 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D17
       Mask: Stringent
   Latitude:  46 33 15.00 N (NAD83)
  Longitude: 123  3 30.00 W
Height AMSL: 487.0 m
       HAAT: 0.0 m
   Peak ERP: 6.43 kW
    Antenna: RFS-RD4UG 89.0 deg
Elev Pattrn: Generic

49.0 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---|---|---|---|
| 0.0 deg | 5.14 kW | 343.6 m | 54.4 km |
| 45.0 | 2.64 | 388.6 | 52.8 |
| 90.0 | 1.56 | 322.8 | 46.8 |
| 135.0 | 3.02 | 333.9 | 51.0 |
| 180.0 | 4.82 | 337.1 | 53.7 |
| 225.0 | 0.370 | 253.3 | 35.7 |
| 270.0 | 0.300 | 328.2 | 37.7 |
| 315.0 | 0.412 | 369.6 | 41.2 |

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 335 m

Proposal 24.04 dBu contour does not cross Canadian border
Distance to Canadian border: 189.2 km

# INTERFERENCE ANALYSIS FOR PROPOSED K42CM-D, CENTRALIA/CHEHALIS, WA, CHANNEL 17

Distance to Mexican border: 1623.4 km

Conditions at FCC monitoring station: Ferndale WA
Bearing: 7.8 degrees  Distance: 269.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 110.0 degrees  Distance: 1600.4 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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 BLDTA20100517ABN LIC scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | |
| Undesireds: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | 117.2 km |
| | KOXO-CD | D15 | DC | CP | PORTLAND, OR | BLANK0000027193 | 0.0 |
| | KFFV | D16 | DT | CP | SEATTLE, WA | BLANK0000027889 | 235.0 |
| | KORX-CD | D16 | DC | LIC | WALLA WALLA, WA | BLANK0000001386 | 358.6 |
| | KNDO | D16 | DT | LIC | YAKIMA, WA | BLCDT20090217ACI | 206.1 |
| | KMTR | D17 | DT | LIC | EUGENE, OR | BLCDT20030618AAY | 157.6 |

| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New IX | |
|---|---|---|---|---|---|---|---|---|---|
| 13490.2 | 2,365,603 | 11621.8 | 2,286,688 | 11618.8 | 2,286,688 | 11615.7 | 2,286,688 | 0.03 | 0.00 |

| Undesired | Total IX | | Unique IX, before | | Unique IX, after | |
|---|---|---|---|---|---|---|
| K42CM17P1 D17 LD APP | 3.0 | 0 | | | 3.0 | 0 |
| KFFV D16 DT CP | 2.0 | 0 | 2.0 | 0 | 2.0 | 0 |
| KNDO D16 DT LIC | 1.0 | 0 | 1.0 | 0 | 1.0 | 0 |

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Interference to BLANK0000027889 CP scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | KFFV | D16 | DT | CP | SEATTLE, WA | BLANK0000027889 | |
| Undesireds: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | 130.9 km |
| | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 235.0 |
| | KNDO | D16 | DT | LIC | YAKIMA, WA | BLCDT20090217ACI | 181.8 |
| | CHEK-DT | D16 | DT | LIC | VICTORIA, BC | BLANKCANADA105 | 143.8 |

| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New IX | |
|---|---|---|---|---|---|---|---|---|---|
| 12188.0 | 3,715,687 | 11398.7 | 3,662,170 | 11110.1 | 3,648,528 | 11103.0 | 3,648,229 | 0.06 | 0.01 |

| Undesired | Total IX | | Unique IX, before | | Unique IX, after | |
|---|---|---|---|---|---|---|
| K42CM17P1 D17 LD APP | 7.1 | 299 | | | 7.1 | 299 |
| KORS-CD D16 DC LIC | 11.1 | 175 | 10.1 | 174 | 10.1 | 174 |
| KNDO D16 DT LIC | 32.2 | 2,209 | 15.0 | 1,029 | 15.0 | 1,029 |
| CHEK-DT D16 DT LIC | 263.5 | 12,439 | 246.3 | 11,259 | 246.3 | 11,259 |

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Interference to BLANK0000034504 APP scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | KFFV | D16 | DT | APP | SEATTLE, WA | BLANK0000034504 | |
| Undesireds: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | 130.9 km |
| | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 235.0 |
| | KORX-CD | D16 | DC | LIC | WALLA WALLA, WA | BLANK0000001386 | 363.3 |
| | KNDO | D16 | DT | LIC | YAKIMA, WA | BLCDT20090217ACI | 181.8 |
| | CHEK-DT | D16 | DT | LIC | VICTORIA, BC | BLANKCANADA105 | 143.8 |

| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New IX | |
|---|---|---|---|---|---|---|---|---|---|
| 17688.8 | 4,032,021 | 16712.3 | 4,000,353 | 16262.6 | 3,972,095 | 16248.5 | 3,967,693 | 0.09 | 0.11 |

| Undesired | Total IX | | Unique IX, before | | Unique IX, after | |
|---|---|---|---|---|---|---|
| K42CM17P1 D17 LD APP | 14.2 | 4,402 | | | 14.2 | 4,402 |
| KORS-CD D16 DC LIC | 5.1 | 947 | 2.0 | 947 | 2.0 | 947 |
| KNDO D16 DT LIC | 27.4 | 71 | 7.1 | 0 | 7.1 | 0 |
| CHEK-DT D16 DT LIC | 439.5 | 27,311 | 419.2 | 27,240 | 419.2 | 27,240 |

# INTERFERENCE ANALYSIS FOR PROPOSED K42CM-D, CENTRALIA/CHEHALIS, WA, CHANNEL 17

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Interference to DTVBL49264 BL scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | KFFV | D16 | DT | BL | SEATTLE, WA | DTVBL49264 | |
| Undesireds: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | 130.9 km |
| | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 235.0 |
| | KNDO | D16 | DT | LIC | YAKIMA, WA | BLCDT20090217ACI | 181.8 |
| | CHEK-DT | D16 | DT | LIC | VICTORIA, BC | BLANKCANADA105 | 143.8 |

| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New IX | |
|---|---|---|---|---|---|---|---|---|---|
| 13343.0 | 3,783,500 | 12568.7 | 3,738,600 | 12246.3 | 3,718,075 | 12240.2 | 3,717,333 | 0.05 | 0.02 |

| Undesired | Total IX | | Unique IX, before | | Unique IX, after | |
|---|---|---|---|---|---|---|
| K42CM17P1 D17 LD APP | 6.1 | 742 | | | 6.1 | 742 |
| KORS-CD D16 DC LIC | 9.1 | 69 | 7.1 | 69 | 7.1 | 69 |
| KNDO D16 DT LIC | 22.2 | 483 | 12.1 | 122 | 12.1 | 122 |
| CHEK-DT D16 DT LIC | 303.3 | 20,334 | 291.1 | 19,973 | 291.1 | 19,973 |

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Interference to BPDTT20121012ACV APP scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K17HA-D | D17 | LD | APP | ASTORIA, OR | BPDTT20121012ACV | |
| Undesireds: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | 70.8 km |
| | KMTR | D17 | DT | LIC | EUGENE, OR | BLCDT20030618AAY | 251.3 |
| | K17GV-D | D17 | LD | LIC | Ranier, OR | BLANK0000049611 | 81.5 |

| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New IX | |
|---|---|---|---|---|---|---|---|---|---|
| 5737.0 | 48,328 | 4939.5 | 44,906 | 4938.5 | 44,906 | 4937.4 | 44,906 | 0.02 | 0.00 |

| Undesired | Total IX | | Unique IX, before | | Unique IX, after | |
|---|---|---|---|---|---|---|
| K42CM17P1 D17 LD APP | 1.0 | 0 | | | 1.0 | 0 |
| K17GV-D D17 LD LIC | 1.0 | 0 | 1.0 | 0 | 1.0 | 0 |

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Interference to BLANK0000035793 APP scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | KMTR | D17 | DT | APP | EUGENE, OR | BLANK0000035793 | |
| Undesireds: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | 283.7 km |
| | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 171.5 |
| | KABH-CD | D17 | DC | LIC | BEND, OR | BLDTA20131029ABN | 142.9 |
| | KTVC | D18 | DT | APP | ROSEBURG, OR | BLANK0000036020 | 91.4 |

| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New IX | |
|---|---|---|---|---|---|---|---|---|---|
| 41659.9 | 1,037,202 | 32770.3 | 921,559 | 32261.3 | 766,844 | 32258.3 | 766,844 | 0.01 | 0.00 |

| Undesired | Total IX | | Unique IX, before | | Unique IX, after | |
|---|---|---|---|---|---|---|
| K42CM17P1 D17 LD APP | 13.2 | 0 | | | 3.1 | 0 |
| KORS-CD D16 DC LIC | 346.9 | 146,901 | 346.9 | 146,901 | 336.7 | 146,901 |
| KABH-CD D17 DC LIC | 42.1 | 0 | 42.1 | 0 | 42.1 | 0 |
| KTVC D18 DT APP | 120.0 | 7,814 | 120.0 | 7,814 | 120.0 | 7,814 |

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Interference to BLANK0000049611 LIC scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K17GV-D | D17 | LD | LIC | Ranier, OR | BLANK0000049611 | |
| Undesireds: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | 46.3 km |
| | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 71.6 |
| | K17HA-D | D17 | LD | LIC | ASTORIA, OR | BLDTT20120713ADN | 81.5 |
| | KMTR | D17 | DT | LIC | EUGENE, OR | BLCDT20030618AAY | 227.8 |

| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New IX | |
|---|---|---|---|---|---|---|---|---|---|
| 1359.0 | 88,868 | 1088.6 | 84,181 | 1082.5 | 83,365 | 1037.9 | 81,983 | 4.13 | 1.66 |

| Undesired | Total IX | | Unique IX, before | | Unique IX, after | |
|---|---|---|---|---|---|---|
| K42CM17P1 D17 LD APP | 46.7 | 1,840 | | | 44.7 | 1,382 |
| KORS-CD D16 DC LIC | 4.1 | 756 | 4.1 | 756 | 3.1 | 298 |
| K17HA-D D17 LD LIC | 2.0 | 60 | 2.0 | 60 | 1.0 | 60 |

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Interference to BLTT20070209ABT LIC scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|

# INTERFERENCE ANALYSIS FOR PROPOSED K42CM-D, CENTRALIA/CHEHALIS, WA, CHANNEL 17

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|---|---|---|---|---|---|---|---|
| Desired: | K17GV-D | N17- | TX | LIC | Ranier, OR | BLTT20070209ABT | |
| Undesireds: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | 46.3 km |
| | K17HA-D | D17 | LD | LIC | ASTORIA, OR | BLDTT20120713ADN | 81.5 |
| | KMTR | D17 | DT | LIC | EUGENE, OR | BLCDT20030618AAY | 227.8 |

| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New IX | |
|---|---|---|---|---|---|---|---|---|---|
| 331.9 | 70,564 | 304.5 | 67,550 | 298.4 | 67,546 | 281.2 | 66,772 | 5.78 | 1.15 |

| Undesired | Total IX | | Unique IX, before | | Unique IX, after | |
|---|---|---|---|---|---|---|
| K42CM17P1 D17 LD APP | 18.3 | 774 | | | 17.3 | 774 |
| K17HA-D D17 LD LIC | 6.1 | 4 | 6.1 | 4 | 5.1 | 4 |

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Interference to BLDTL20101201AEX LIC scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K17IZ-D | D17 | LD | LIC | EVERETT, WA | BLDTL20101201AEX | |
| Undesireds: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | 178.5 km |
| | KFFV | D16 | DT | CP | SEATTLE, WA | BLANK0000027889 | 48.3 |
| | KBTC-TV | D16 | LD | LIC | TACOMA, WA | BLEDT20130726ADF | 48.2 |
| | K17HA-D | D17 | LD | LIC | ASTORIA, OR | BLDTT20120713ADN | 235.5 |
| | K17GV-D | D17 | LD | LIC | Ranier, OR | BLANK0000049611 | 214.9 |
| | CIVI-DT-2 | D17 | DT | LIC | VANCOUVER, BC | BLANKCANADA92 | 158.8 |

| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New IX | |
|---|---|---|---|---|---|---|---|---|---|
| 623.2 | 344,960 | 578.0 | 321,328 | 554.0 | 309,337 | 554.0 | 309,337 | 0.00 | 0.00 |

| Undesired | Total IX | | Unique IX, before | | Unique IX, after | |
|---|---|---|---|---|---|---|
| K42CM17P1 D17 LD APP | 2.0 | 2,242 | | | 0.0 | 0 |
| KFFV D16 DT CP | 1.0 | 583 | 0.0 | 0 | 0.0 | 0 |
| KBTC-TV D16 LD LIC | 1.0 | 583 | 0.0 | 0 | 0.0 | 0 |
| CIVI-DT-2 D17 DT LIC | 23.1 | 11,408 | 23.1 | 11,408 | 22.1 | 9,749 |

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Interference to proposal scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | |
| Undesireds: | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 117.2 km |
| | KFFV | D16 | DT | CP | SEATTLE, WA | BLANK0000027889 | 130.9 |
| | K17HA-D | D17 | LD | LIC | ASTORIA, OR | BLDTT20120713ADN | 70.8 |
| | KMTR | D17 | DT | LIC | EUGENE, OR | BLCDT20030618AAY | 271.1 |
| | K17GV-D | D17 | LD | LIC | Ranier, OR | BLANK0000049611 | 46.3 |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 6759.0 | 334,604 | 5410.3 | 257,563 | 5376.8 | 253,881 | 0.62 | 1.43 |

| Undesired | Total IX | | Unique IX | | Prcnt Unique IX | |
|---|---|---|---|---|---|---|
| KORS-CD D16 DC LIC | 9.1 | 1,118 | 1.0 | 0 | 0.02 | 0.00 |
| K17HA-D D17 LD LIC | 1.0 | 0 | 0.0 | 0 | 0.00 | 0.00 |
| K17GV-D D17 LD LIC | 32.5 | 3,682 | 24.3 | 2,564 | 0.45 | 1.00 |

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Interference to proposal scenario 2

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | |
| Undesireds: | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 117.2 km |
| | KFFV | D16 | DT | CP | SEATTLE, WA | BLANK0000027889 | 130.9 |
| | K17HA-D | D17 | LD | LIC | ASTORIA, OR | BLDTT20120713ADN | 70.8 |
| | KMTR | D17 | DT | LIC | EUGENE, OR | BLCDT20030618AAY | 271.1 |
| | K17GV-D | N17- | TX | LIC | Ranier, OR | BLTT20070209ABT | 46.3 |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 6759.0 | 334,604 | 5410.3 | 257,563 | 5381.9 | 254,188 | 0.52 | 1.31 |

| Undesired | Total IX | | Unique IX | | Prcnt Unique IX | |
|---|---|---|---|---|---|---|
| KORS-CD D16 DC LIC | 9.1 | 1,118 | 1.0 | 0 | 0.02 | 0.00 |
| K17HA-D D17 LD LIC | 1.0 | 0 | 0.0 | 0 | 0.00 | 0.00 |
| K17GV-D N17- TX LIC | 27.4 | 3,375 | 19.3 | 2,257 | 0.36 | 0.88 |

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Interference to proposal scenario 3

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | |
| Undesireds: | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 117.2 km |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | KFFV | D16 | DT | APP | SEATTLE, WA | BLANK0000034504 | 130.9 |
| | K17HA-D | D17 | LD | LIC | ASTORIA, OR | BLDTT20120713ADN | 70.8 |
| | KMTR | D17 | DT | LIC | EUGENE, OR | BLCDT20030618AAY | 271.1 |
| | K17GV-D | D17 | LD | LIC | Ranier, OR | BLANK0000049611 | 46.3 |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 6759.0 | 334,604 | 5410.3 | 257,563 | 5375.8 | 253,881 | 0.64 | 1.43 |

| Undesired | Total IX | | Unique IX | | Prcnt Unique IX | |
|---|---|---|---|---|---|---|
| KORS-CD D16 DC LIC | 9.1 | 1,118 | 1.0 | 0 | 0.02 | 0.00 |
| KFFV D16 DT APP | 1.0 | 0 | 1.0 | 0 | 0.02 | 0.00 |
| K17HA-D D17 LD LIC | 1.0 | 0 | 0.0 | 0 | 0.00 | 0.00 |
| K17GV-D D17 LD LIC | 32.5 | 3,682 | 24.3 | 2,564 | 0.45 | 1.00 |

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Interference to proposal scenario 4

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | |
| Undesireds: | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 117.2 km |
| | KFFV | D16 | DT | APP | SEATTLE, WA | BLANK0000034504 | 130.9 |
| | K17HA-D | D17 | LD | LIC | ASTORIA, OR | BLDTT20120713ADN | 70.8 |
| | KMTR | D17 | DT | LIC | EUGENE, OR | BLCDT20030618AAY | 271.1 |
| | K17GV-D | N17- | TX | LIC | Ranier, OR | BLTT20070209ABT | 46.3 |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 6759.0 | 334,604 | 5410.3 | 257,563 | 5380.9 | 254,188 | 0.54 | 1.31 |

| Undesired | Total IX | | Unique IX | | Prcnt Unique IX | |
|---|---|---|---|---|---|---|
| KORS-CD D16 DC LIC | 9.1 | 1,118 | 1.0 | 0 | 0.02 | 0.00 |
| KFFV D16 DT APP | 1.0 | 0 | 1.0 | 0 | 0.02 | 0.00 |
| K17HA-D D17 LD LIC | 1.0 | 0 | 0.0 | 0 | 0.00 | 0.00 |
| K17GV-D N17- TX LIC | 27.4 | 3,375 | 19.3 | 2,257 | 0.36 | 0.88 |

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Interference to proposal scenario 5

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | |
| Undesireds: | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 117.2 km |
| | KFFV | D16 | DT | CP | SEATTLE, WA | BLANK0000027889 | 130.9 |
| | K17HA-D | D17 | LD | LIC | ASTORIA, OR | BLDTT20120713ADN | 70.8 |
| | KMTR | D17 | DT | APP | EUGENE, OR | BLANK0000035793 | 283.7 |
| | K17GV-D | D17 | LD | LIC | Ranier, OR | BLANK0000049611 | 46.3 |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 6759.0 | 334,604 | 5410.3 | 257,563 | 5373.8 | 253,302 | 0.67 | 1.65 |

| Undesired | Total IX | | Unique IX | | Prcnt Unique IX | |
|---|---|---|---|---|---|---|
| KORS-CD D16 DC LIC | 9.1 | 1,118 | 1.0 | 0 | 0.02 | 0.00 |
| K17HA-D D17 LD LIC | 1.0 | 0 | 0.0 | 0 | 0.00 | 0.00 |
| KMTR D17 DT APP | 7.1 | 1,230 | 3.0 | 579 | 0.06 | 0.22 |
| K17GV-D D17 LD LIC | 32.5 | 3,682 | 22.3 | 1,923 | 0.41 | 0.75 |

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Interference to proposal scenario 6

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | |
| Undesireds: | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 117.2 km |
| | KFFV | D16 | DT | CP | SEATTLE, WA | BLANK0000027889 | 130.9 |
| | K17HA-D | D17 | LD | LIC | ASTORIA, OR | BLDTT20120713ADN | 70.8 |
| | KMTR | D17 | DT | APP | EUGENE, OR | BLANK0000035793 | 283.7 |
| | K17GV-D | N17- | TX | LIC | Ranier, OR | BLTT20070209ABT | 46.3 |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 6759.0 | 334,604 | 5410.3 | 257,563 | 5378.8 | 253,609 | 0.58 | 1.54 |

| Undesired | Total IX | | Unique IX | | Prcnt Unique IX | |
|---|---|---|---|---|---|---|
| KORS-CD D16 DC LIC | 9.1 | 1,118 | 1.0 | 0 | 0.02 | 0.00 |
| K17HA-D D17 LD LIC | 1.0 | 0 | 0.0 | 0 | 0.00 | 0.00 |
| KMTR D17 DT APP | 7.1 | 1,230 | 3.0 | 579 | 0.06 | 0.22 |
| K17GV-D N17- TX LIC | 27.4 | 3,375 | 17.2 | 1,616 | 0.32 | 0.63 |

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Interference to proposal scenario 7

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | |
| Undesireds: | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 117.2 km |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | KFFV | D16 | DT | APP | SEATTLE, WA | BLANK0000034504 | 130.9 |
| | K17HA-D | D17 | LD | LIC | ASTORIA, OR | BLDTT20120713ADN | 70.8 |
| | KMTR | D17 | DT | APP | EUGENE, OR | BLANK0000035793 | 283.7 |
| | K17GV-D | D17 | LD | LIC | Ranier, OR | BLANK0000049611 | 46.3 |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 6759.0 | 334,604 | 5410.3 | 257,563 | 5372.8 | 253,302 | 0.69 | 1.65 |

| Undesired | Total IX | | Unique IX | | Prcnt Unique IX | |
|---|---|---|---|---|---|---|
| KORS-CD D16 DC LIC | 9.1 | 1,118 | 1.0 | 0 | 0.02 | 0.00 |
| KFFV D16 DT APP | 1.0 | 0 | 1.0 | 0 | 0.02 | 0.00 |
| K17HA-D D17 LD LIC | 1.0 | 0 | 0.0 | 0 | 0.00 | 0.00 |
| KMTR D17 DT APP | 7.1 | 1,230 | 3.0 | 579 | 0.06 | 0.22 |
| K17GV-D D17 LD LIC | 32.5 | 3,682 | 22.3 | 1,923 | 0.41 | 0.75 |

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Interference to proposal scenario 8

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | |
| Undesireds: | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 117.2 km |
| | KFFV | D16 | DT | APP | SEATTLE, WA | BLANK0000034504 | 130.9 |
| | K17HA-D | D17 | LD | LIC | ASTORIA, OR | BLDTT20120713ADN | 70.8 |
| | KMTR | D17 | DT | APP | EUGENE, OR | BLANK0000035793 | 283.7 |
| | K17GV-D | N17- | TX | LIC | Ranier, OR | BLTT20070209ABT | 46.3 |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 6759.0 | 334,604 | 5410.3 | 257,563 | 5377.8 | 253,609 | 0.60 | 1.54 |

| Undesired | Total IX | | Unique IX | | Prcnt Unique IX | |
|---|---|---|---|---|---|---|
| KORS-CD D16 DC LIC | 9.1 | 1,118 | 1.0 | 0 | 0.02 | 0.00 |
| KFFV D16 DT APP | 1.0 | 0 | 1.0 | 0 | 0.02 | 0.00 |
| K17HA-D D17 LD LIC | 1.0 | 0 | 0.0 | 0 | 0.00 | 0.00 |
| KMTR D17 DT APP | 7.1 | 1,230 | 3.0 | 579 | 0.06 | 0.22 |
| K17GV-D N17- TX LIC | 27.4 | 3,375 | 17.2 | 1,616 | 0.32 | 0.63 |

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Interference to proposal scenario 9

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | |
| Undesireds: | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 117.2 km |
| | KFFV | D16 | DT | CP | SEATTLE, WA | BLANK0000027889 | 130.9 |
| | K17HA-D | D17 | LD | APP | ASTORIA, OR | BPDTT20121012ACV | 70.8 |
| | KMTR | D17 | DT | LIC | EUGENE, OR | BLCDT20030618AAY | 271.1 |
| | K17GV-D | D17 | LD | LIC | Ranier, OR | BLANK0000049611 | 46.3 |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 6759.0 | 334,604 | 5410.3 | 257,563 | 5376.8 | 253,881 | 0.62 | 1.43 |

| Undesired | Total IX | | Unique IX | | Prcnt Unique IX | |
|---|---|---|---|---|---|---|
| KORS-CD D16 DC LIC | 9.1 | 1,118 | 1.0 | 0 | 0.02 | 0.00 |
| K17HA-D D17 LD APP | 1.0 | 0 | 0.0 | 0 | 0.00 | 0.00 |
| K17GV-D D17 LD LIC | 32.5 | 3,682 | 24.3 | 2,564 | 0.45 | 1.00 |

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Interference to proposal scenario 10

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | |
| Undesireds: | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 117.2 km |
| | KFFV | D16 | DT | CP | SEATTLE, WA | BLANK0000027889 | 130.9 |
| | K17HA-D | D17 | LD | APP | ASTORIA, OR | BPDTT20121012ACV | 70.8 |
| | KMTR | D17 | DT | LIC | EUGENE, OR | BLCDT20030618AAY | 271.1 |
| | K17GV-D | N17- | TX | LIC | Ranier, OR | BLTT20070209ABT | 46.3 |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 6759.0 | 334,604 | 5410.3 | 257,563 | 5381.9 | 254,188 | 0.52 | 1.31 |

| Undesired | Total IX | | Unique IX | | Prcnt Unique IX | |
|---|---|---|---|---|---|---|
| KORS-CD D16 DC LIC | 9.1 | 1,118 | 1.0 | 0 | 0.02 | 0.00 |
| K17HA-D D17 LD APP | 1.0 | 0 | 0.0 | 0 | 0.00 | 0.00 |
| K17GV-D N17- TX LIC | 27.4 | 3,375 | 19.3 | 2,257 | 0.36 | 0.88 |

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Interference to proposal scenario 11

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | |
| Undesireds: | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 117.2 km |

# INTERFERENCE ANALYSIS FOR PROPOSED K42CM-D, CENTRALIA/CHEHALIS, WA, CHANNEL 17

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | KFFV | D16 | DT | APP | SEATTLE, WA | BLANK0000034504 | 130.9 |
| | K17HA-D | D17 | LD | APP | ASTORIA, OR | BPDTT20121012ACV | 70.8 |
| | KMTR | D17 | DT | LIC | EUGENE, OR | BLCDT20030618AAY | 271.1 |
| | K17GV-D | D17 | LD | LIC | Ranier, OR | BLANK0000049611 | 46.3 |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 6759.0 | 334,604 | 5410.3 | 257,563 | 5375.8 | 253,881 | 0.64 | 1.43 |

| Undesired | Total IX | | Unique IX | | Prcnt Unique IX | |
|---|---|---|---|---|---|---|
| KORS-CD D16 DC LIC | 9.1 | 1,118 | 1.0 | 0 | 0.02 | 0.00 |
| KFFV D16 DT APP | 1.0 | 0 | 1.0 | 0 | 0.02 | 0.00 |
| K17HA-D D17 LD APP | 1.0 | 0 | 0.0 | 0 | 0.00 | 0.00 |
| K17GV-D D17 LD LIC | 32.5 | 3,682 | 24.3 | 2,564 | 0.45 | 1.00 |

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Interference to proposal scenario 12

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | |
| Undesireds: | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 117.2 km |
| | KFFV | D16 | DT | APP | SEATTLE, WA | BLANK0000034504 | 130.9 |
| | K17HA-D | D17 | LD | APP | ASTORIA, OR | BPDTT20121012ACV | 70.8 |
| | KMTR | D17 | DT | LIC | EUGENE, OR | BLCDT20030618AAY | 271.1 |
| | K17GV-D | N17- | TX | LIC | Ranier, OR | BLTT20070209ABT | 46.3 |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 6759.0 | 334,604 | 5410.3 | 257,563 | 5380.9 | 254,188 | 0.54 | 1.31 |

| Undesired | Total IX | | Unique IX | | Prcnt Unique IX | |
|---|---|---|---|---|---|---|
| KORS-CD D16 DC LIC | 9.1 | 1,118 | 1.0 | 0 | 0.02 | 0.00 |
| KFFV D16 DT APP | 1.0 | 0 | 1.0 | 0 | 0.02 | 0.00 |
| K17HA-D D17 LD APP | 1.0 | 0 | 0.0 | 0 | 0.00 | 0.00 |
| K17GV-D N17- TX LIC | 27.4 | 3,375 | 19.3 | 2,257 | 0.36 | 0.88 |

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Interference to proposal scenario 13

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | |
| Undesireds: | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 117.2 km |
| | KFFV | D16 | DT | CP | SEATTLE, WA | BLANK0000027889 | 130.9 |
| | K17HA-D | D17 | LD | APP | ASTORIA, OR | BPDTT20121012ACV | 70.8 |
| | KMTR | D17 | DT | APP | EUGENE, OR | BLANK0000035793 | 283.7 |
| | K17GV-D | D17 | LD | LIC | Ranier, OR | BLANK0000049611 | 46.3 |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 6759.0 | 334,604 | 5410.3 | 257,563 | 5373.8 | 253,302 | 0.67 | 1.65 |

| Undesired | Total IX | | Unique IX | | Prcnt Unique IX | |
|---|---|---|---|---|---|---|
| KORS-CD D16 DC LIC | 9.1 | 1,118 | 1.0 | 0 | 0.02 | 0.00 |
| K17HA-D D17 LD APP | 1.0 | 0 | 0.0 | 0 | 0.00 | 0.00 |
| KMTR D17 DT APP | 7.1 | 1,230 | 3.0 | 579 | 0.06 | 0.22 |
| K17GV-D D17 LD LIC | 32.5 | 3,682 | 22.3 | 1,923 | 0.41 | 0.75 |

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Interference to proposal scenario 14

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | |
| Undesireds: | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 117.2 km |
| | KFFV | D16 | DT | CP | SEATTLE, WA | BLANK0000027889 | 130.9 |
| | K17HA-D | D17 | LD | APP | ASTORIA, OR | BPDTT20121012ACV | 70.8 |
| | KMTR | D17 | DT | APP | EUGENE, OR | BLANK0000035793 | 283.7 |
| | K17GV-D | N17- | TX | LIC | Ranier, OR | BLTT20070209ABT | 46.3 |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 6759.0 | 334,604 | 5410.3 | 257,563 | 5378.8 | 253,609 | 0.58 | 1.54 |

| Undesired | Total IX | | Unique IX | | Prcnt Unique IX | |
|---|---|---|---|---|---|---|
| KORS-CD D16 DC LIC | 9.1 | 1,118 | 1.0 | 0 | 0.02 | 0.00 |
| K17HA-D D17 LD APP | 1.0 | 0 | 0.0 | 0 | 0.00 | 0.00 |
| KMTR D17 DT APP | 7.1 | 1,230 | 3.0 | 579 | 0.06 | 0.22 |
| K17GV-D N17- TX LIC | 27.4 | 3,375 | 17.2 | 1,616 | 0.32 | 0.63 |

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Interference to proposal scenario 15

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | |
| Undesireds: | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 117.2 km |

# INTERFERENCE ANALYSIS FOR PROPOSED K42CM-D, CENTRALIA/CHEHALIS, WA, CHANNEL 17

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | KFFV | D16 | DT | APP | SEATTLE, WA | BLANK0000034504 | 130.9 |
| | K17HA-D | D17 | LD | APP | ASTORIA, OR | BPDTT20121012ACV | 70.8 |
| | KMTR | D17 | DT | APP | EUGENE, OR | BLANK0000035793 | 283.7 |
| | K17GV-D | D17 | LD | LIC | Ranier, OR | BLANK0000049611 | 46.3 |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 6759.0 | 334,604 | 5410.3 | 257,563 | 5372.8 | 253,302 | 0.69 | 1.65 |

| Undesired | Total IX | | Unique IX | | Prcnt Unique IX | |
|---|---|---|---|---|---|---|
| KORS-CD D16 DC LIC | 9.1 | 1,118 | 1.0 | 0 | 0.02 | 0.00 |
| KFFV D16 DT APP | 1.0 | 0 | 1.0 | 0 | 0.02 | 0.00 |
| K17HA-D D17 LD APP | 1.0 | 0 | 0.0 | 0 | 0.00 | 0.00 |
| KMTR D17 DT APP | 7.1 | 1,230 | 3.0 | 579 | 0.06 | 0.22 |
| K17GV-D D17 LD LIC | 32.5 | 3,682 | 22.3 | 1,923 | 0.41 | 0.75 |

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Interference to proposal scenario 16

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|---|---|---|---|---|---|---|---|
| Desired: | K42CM17P1 | D17 | LD | APP | CENTRALIA/CHEHALIS, WA | k42cm17p1 | |
| Undesireds: | KORS-CD | D16 | DC | LIC | PORTLAND, OR | BLDTA20100517ABN | 117.2 km |
| | KFFV | D16 | DT | APP | SEATTLE, WA | BLANK0000034504 | 130.9 |
| | K17HA-D | D17 | LD | APP | ASTORIA, OR | BPDTT20121012ACV | 70.8 |
| | KMTR | D17 | DT | APP | EUGENE, OR | BLANK0000035793 | 283.7 |
| | K17GV-D | N17- | TX | LIC | Ranier, OR | BLTT20070209ABT | 46.3 |

| Service area | | Terrain-limited | | IX-free | | Percent IX | |
|---|---|---|---|---|---|---|---|
| 6759.0 | 334,604 | 5410.3 | 257,563 | 5377.8 | 253,609 | 0.60 | 1.54 |

| Undesired | Total IX | | Unique IX | | Prcnt Unique IX | |
|---|---|---|---|---|---|---|
| KORS-CD D16 DC LIC | 9.1 | 1,118 | 1.0 | 0 | 0.02 | 0.00 |
| KFFV D16 DT APP | 1.0 | 0 | 1.0 | 0 | 0.02 | 0.00 |
| K17HA-D D17 LD APP | 1.0 | 0 | 0.0 | 0 | 0.00 | 0.00 |
| KMTR D17 DT APP | 7.1 | 1,230 | 3.0 | 579 | 0.06 | 0.22 |
| K17GV-D N17- TX LIC | 27.4 | 3,375 | 17.2 | 1,616 | 0.32 | 0.63 |

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