

# 47 C.F.R. Section 74.1233(a)(1) "Showing of Reduced Interference"

## Present Operation K217EI.L - Scio, OR

Pursuant to 47 C.F.R. Section 74.1233(a)(1)(i)(A)(2), this showing of reduced interference to or from any other broadcast station as a remedial change to a same-band frequency has been demonstrated for K217EI.L - Scio, OR (Facility ID: 93023). The present K217EI.L operation results in -25.9 km of predicted received co-channel contour overlap and -34.9 km and -26.0 km of predicted first-adjacent channel contour overlap from three separate allocation protections (see attached **Present Operation Study**). The proposed CH207D.P operation results in a reduced -9.2 km of predicted received first-adjacent channel contour overlap from only one, single allocation protection (see attached **Proposed Operation Study**). As a result, the potential for predicted interference will be reduced for this remedial same-band frequency change both in magnitude and raw number of sources of predicted interference.

| Lifetalk Radio, Inc. |          |         |     |                             |                 |              |                |            |                            |          |        |
|----------------------|----------|---------|-----|-----------------------------|-----------------|--------------|----------------|------------|----------------------------|----------|--------|
| REFERENCE            | CH#      | 217D    | -   | 91.3 MHz,                   | Pwr= 0.028 kW   | DA,          | HAAT= 178.2 M, | COR= 385 M | DISPLAY DATES              |          |        |
| 44 40 59.40 N.       |          |         |     | Average Protected F(50-50)= | 10.12 km        |              |                |            | DATA                       | 05-22-23 |        |
| 122 46 58.30 W.      |          |         |     | Standard Directional        |                 |              |                |            | SEARCH                     | 05-23-23 |        |
| CH                   | CALL     | TYPE    | ANT | AZI                         | DIST            | LAT          | PWR(kW)        | INT(km)    | PRO(km)                    | *IN*     | *OUT*  |
| CITY                 |          | STATE   |     | <--                         | FILE #          | LNG          | HAAT(M)        | COR(M)     | LICENSEE                   | (Overlap | in km) |
| 218C0                | KOPB-FM  | LIC _CN |     | 1.7                         | 93.34           | 45 31 20.40  | 73.000         | 122.9      | 82.7                       | -34.5*   | 3.7    |
| Portland             |          | OR      |     | 181.7                       | BLED20030213AAI | 122 44 49.40 | 470            | 561        | Oregon Public Broadcasting |          |        |
| 216C1                | KWAX     | LIC _EN |     | 199.2                       | 80.28           | 44 00 03.40  | 21.500         | 96.2       | 65.0                       | -26.0*   | 0.7    |
| Eugene               |          | OR      |     | 19.0                        | BLED19930308KB  | 123 06 49.30 | 370            | 562        | University Of Oregon       |          |        |
| 217C1                | KOAB-FM  | LIC _CN |     | 119.8                       | 133.37          | 44 04 40.40  | 75.000         | 156.0      | 62.4                       | -25.9*   | 64.7   |
| Bend                 |          | OR      |     | 300.8                       | BLED20100330AAK | 121 20 01.10 | 199            | 1338       | Oregon Public Broadcasting |          |        |
| 217D                 | K217EI   | LIC DVN |     | 0.0                         | 0.00            | 44 40 59.40  | 0.028          |            | ---Reference---            |          |        |
| Scio                 |          | OR      |     | 0.0                         | BLFT20070410ADJ | 122 46 58.30 | 178            | 385        | Lifetalk Radio, Inc.       |          |        |
| 06 --                | KPWC-LD« | LI _HN  |     | 319.2                       | 43.26           | 44 58 37.40  | 3.000          | 1.1        | 32.0                       | 33.1R    | 10.2M  |
| Tillamook            |          | OR      |     | 138.9                       | 0000157489      | 123 08 33.31 |                | 346        |                            |          |        |
| 220C2                | KRVM-FM  | LIC NEN |     | 199.3                       | 80.20           | 44 00 06.40  | 15.000         | 6.0        | 56.1                       | 64.1     | 23.9   |
| Eugene               |          | OR      |     | 19.1                        | BLED20090805ABW | 123 06 51.30 | 276            | 475        | Lane County School Distric |          |        |
| 214C1                | KBOO     | LIC _CN |     | 4.3                         | 89.82           | 45 29 19.40  | 26.500         | 7.5        | 64.0                       | 77.6     | 25.4   |
| Portland             |          | OR      |     | 184.4                       | BLED19910909KC  | 122 41 44.30 | 386            | 480        | The Kboo Foundation        |          |        |
| 216L1                | KSQI-LP  | LIC _CN |     | 319.9                       | 45.39           | 44 59 41.80  | 0.003          |            |                            | 29.3     | 29.9   |
| Salem                |          | OR      |     | 139.6                       | BLL20170822AAY  | 123 09 17.00 | 198            | 286        | Oregon Peaceworks          |          |        |
| 214D                 | K214CI   | LIC _CN |     | 196.8                       | 56.53           | 44 11 45.90  | 0.019          | 0.3        | 16.1                       | 46.4     | 38.5   |
| Eugene               |          | OR      |     | 16.6                        | 0000188741      | 122 59 14.40 | 726            | 1011       | Educational Media Foundati |          |        |
| 216D                 | K216EH   | LIC DVN |     | 37.6                        | 63.01           | 45 07 51.40  | 0.010          | 20.1       | 12.5                       | 39.4     | 43.8   |
| Colton               |          | OR      |     | 218.0                       | BLFT20121129BCY | 122 17 32.20 | 606            | 1309       | CSN International          |          |        |
| 217D                 | K217FZ   | LIC _CN |     | 267.9                       | 97.53           | 44 38 39.40  | 0.140          | 38.3       | 11.1                       | 47.5     | 45.9   |
| Newport              |          | OR      |     | 87.0                        | 0000177306      | 124 00 54.40 |                | 190        | University Of Oregon       |          |        |
| 216C3                | 766272   | CP DCN  |     | 48.9                        | 110.82          | 45 20 00.20  | 0.380          | 57.4       | 37.6                       | 49.8     | 67.3   |
| Brightwood           |          | OR      |     | 229.7                       | 0000167204      | 121 42 51.10 | 526            | 1863       | Common Communications Nort |          |        |
| 06 --                | K06QR-D« | LI _HY  |     | 199.3                       | 80.21           | 44 00 07.00  | 0.390          | 1.5        | 23.4                       | 24.9R    | 55.3M  |
| Eugene               |          | OR      |     | 19.1                        | 0000163410      | 123 06 53.99 |                | 467        |                            |          |        |
| 218D                 | K218AE   | LIC _CN |     | 191.7                       | 102.86          | 43 46 37.40  | 0.075          | 23.7       | 15.9                       | 69.7     | 76.5   |
| Cottage Grove        |          | OR      |     | 11.6                        | BLFT20020531AAY | 123 02 37.30 | 86             | 451        | Lane Community College     |          |        |
| 216L1                | KVBE-LP  | LIC _CN |     | 355.5                       | 86.35           | 45 27 27.10  | 0.005          |            |                            | 73.1     | 73.8   |
| Portland             |          | OR      |     | 175.5                       | 0000186156      | 122 52 09.10 | 94             | 224        | Asian Pacific AMERICAN Net |          |        |
| 219A                 | KYAQ     | LIC _CN |     | 267.9                       | 97.53           | 44 38 39.40  | 0.690          | 1.6        | 18.7                       | 83.9     | 77.9   |
| Siletz               |          | OR      |     | 87.0                        | BLED20140106AAA | 124 00 54.40 | 147            | 213        | Firebare, Inc.             |          |        |

Terrain database is FCC NGDC 30 Sec , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
In & Out distances between contours are shown at closest points. Reference zone= West Zone, Co to 3rd adjacent.  
All separation margins (if shown) include rounding.  
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
\*\*\*affixed to 'IN' or 'OUT' values = site inside restricted contour.

# 47 C.F.R. Section 74.1233(a)(1) "Showing of Reduced Interference"

## Proposed Operation CH207D.P - Scio, OR

Pursuant to 47 C.F.R. Section 74.1233(a)(1)(i)(A)(2), this showing of reduced interference to or from any other broadcast station as a remedial change to a same-band frequency has been demonstrated for K217EL - Scio, OR (Facility ID: 93023). The present K217EL operation results in -25.9 km of predicted received co-channel contour overlap and -34.9 km and -26.0 km of predicted first-adjacent channel contour overlap from three separate allocation protections (see attached **Present Operation Study**). The proposed CH207D.P operation results in a reduced -9.2 km of predicted received first-adjacent channel contour overlap from only one, single allocation protection (see attached **Proposed Operation Study**). As a result, the potential for predicted interference will be reduced for this remedial same-band frequency change both in magnitude and raw number of sources of predicted interference.

| REFERENCE       |      | CH# 207D - 89.3 MHz, Pwr= 0.1 kW, HAAT= 24.5 M, COR= 254.5 M |     |       |                   |              |         |         |                                  | DISPLAY DATES     |        |
|-----------------|------|--|-----|-------|-------------------|--------------|---------|---------|----------------------------------|-------------------|--------|
| 44 45 32.40 N.  |      | Average Protected F(50-50)= 5.64 km                          |     |       |                   |              |         |         |                                  | DATA 05-22-23     |        |
| 122 44 54.80 W. |      | Omni-directional   |     |       |                   |              |         |         |                                  | SEARCH 05-23-23   |        |
| CH              | CALL | TYPE   | ANT | AZI   | DIST              | LAT          | PWR(kW) | INT(km) | PRO(km)                          | *IN*              | *OUT*  |
| CITY            |      | STATE  |     | <--   | FILE #            | LNG          | HAAT(M) | COR(M)  | LICENSEE                         | (Overlap          | in km) |
| 206C1 KMHD      |      | LIC _CN  |     | 0.8   | 84.16             | 45 30 57.40  | 7.900   | 84.2    | 55.9                             | -9.2*             | 15.9   |
| Gresham         |      | OR   |     | 180.8 | BLED20050603ABW   | 122 44 03.40 | 437     | 528     | Mt. Hood                         | Community College |        |
| 206C1 KMHD      |      | STA _CN  |     | 0.8   | 84.17             | 45 30 57.80  | 7.900   | 84.2    | 55.8                             | -9.2*             | 16.0   |
| Gresham         |      | OR   |     | 180.8 | 0000208710        | 122 44 03.10 | 437     | 528     | Mt. Hood                         | Community College |        |
| 06 -- KPWC-LD«  |      | LI _HN   |     | 308.1 | 39.39             | 44 58 37.40  | 3.000   | 5.5     | 33.8                             | 39.3R             | 0.06M  |
| Tillamook       |      | OR   |     | 127.8 | 0000157489        | 123 08 33.31 |         | 346     |                                  |                   |        |
| 209C0 KLCC      |      | LIC _EN  |     | 199.2 | 89.12             | 44 00 04.40  | 81.000  | 11.0    | 78.0                             | 67.0              | 10.5   |
| Eugene          |      | OR   |     | 18.9  | BLED19900313KB    | 123 06 52.30 | 354     | 546     | Lane Community College           |                   |        |
| 208C2 KPFR      |      | STA DVN  |     | 51.5  | 103.27            | 45 19 57.40  | 2.900   | 84.8    | 57.0                             | 12.8              | 38.2   |
| Pine Grove      |      | OR   |     | 232.2 | 0000250524        | 121 42 52.20 | 513     | 1848    | Family Stations, Inc.            |                   |        |
| 208C2 KPFR      |      | LIC DVN  |     | 51.5  | 103.27            | 45 19 57.40  | 2.900   | 84.8    | 57.0                             | 12.8              | 38.2   |
| Pine Grove      |      | OR   |     | 232.2 | BMLLED20131112CCV | 121 42 52.20 | 513     | 1848    | Family Stations, Inc.            |                   |        |
| 260C0 KRKT-FM   |      | LIC _CN  |     | 253.2 | 43.26             | 44 38 45.40  | 100.000 | 160.4   | 392428000000000000000000000000.0 | 24.5R             | 18.8M  |
| Albany          |      | OR   |     | 72.9  | BMLH20050331BAJ   | 123 16 15.40 | 326     | 482     | Bicoastal Media Licenses V       |                   |        |
| 210C1 KQAC      |      | LIC _CN  |     | 0.8   | 84.16             | 45 30 57.40  | 5.900   | 4.6     | 53.2                             | 70.4              | 30.1   |
| Portland        |      | OR   |     | 180.8 | BLED20110517AEK   | 122 44 03.40 | 440     | 529     | All Classical Public Media       |                   |        |
| 207C3 KVRA      |      | LIC _VN  |     | 123.4 | 135.67            | 44 04 39.40  | 5.000   | 98.7    | 37.8                             | 31.4              | 78.5   |
| Sisters         |      | OR   |     | 304.4 | BLED20160915AAD   | 121 19 52.10 | 176     | 1315    | Educational Media Foundati       |                   |        |
| 204A KBVR       |      | LIC _CN  |     | 242.7 | 47.03             | 44 33 49.40  | 0.340   | 1.3     | 10.6                             | 34.2              | 35.7   |
| Corvallis       |      | OR   |     | 62.3  | BLED19810209AS    | 123 16 34.30 | -25     | 116     | Oregon State University          |                   |        |
| 204C1 KZRI      |      | LIC _CN  |     | 51.5  | 103.37            | 45 20 00.40  | 3.700   | 3.9     | 60.3                             | 93.8              | 42.3   |
| Sandy           |      | OR   |     | 232.2 | BLED20111005AJI   | 121 42 49.20 | 531     | 1877    | Educational Media Foundati       |                   |        |
| 205C3 KQFE      |      | LIC _CN  |     | 199.2 | 88.94             | 44 00 10.50  | 1.250   | 2.3     | 35.5                             | 75.5              | 52.6   |
| Springfield     |      | OR   |     | 19.0  | BMLLED20130716AAU | 123 06 52.30 | 290     | 489     | Family Stations, Inc.            |                   |        |
| 207A KOGL       |      | LIC _CN  |     | 278.4 | 100.95            | 44 53 03.40  | 0.210   | 22.7    | 6.8                              | 66.3              | 53.8   |
| Gleneden Beach  |      | OR   |     | 97.5  | BLED20141222AEH   | 124 00 59.40 | -14     | 121     | Oregon Public Broadcasting       |                   |        |
| 06 -- K06QR-D«  |      | LI _HY   |     | 199.2 | 89.06             | 44 00 07.00  | 0.390   | 4.7     | 23.4                             | 28.1R             | 61.0M  |
| Eugene          |      | OR   |     | 19.0  | 0000163410        | 123 06 53.99 |         | 467     |                                  |                   |        |
| 208A KTCB       |      | LIC _CN  |     | 310.9 | 121.01            | 45 27 58.40  | 0.380   | 42.5    | 27.8                             | 67.0              | 76.3   |
| Tillamook       |      | OR   |     | 130.1 | BLED20040908AAU   | 123 55 15.50 | 351     | 448     | Tillicum Foundation              |                   |        |
| 207C3 KLOV      |      | LIC _CN  |     | 195.4 | 175.51            | 43 14 07.40  | 3.500   | 89.2    | 32.1                             | 75.3              | 105.6  |
| Winchester      |      | OR   |     | 15.0  | BLED20110623AAM   | 123 19 22.30 | 212     | 481     | Educational Media Foundati       |                   |        |

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\*\*\*affixed to 'IN' or 'OUT' values = site inside restricted contour.  
« = Station meets FCC minimum distance spacing for its class.