

| Minnesota Public Radio Move K247BF to Channel 244 CH# 244D - 96.7 MHz, Pwr= 0.115 kW, HAAT= 115.4 M, COR= 461 M Average Protected F(50-50)= 11.41 km Omni-directional | | | | | | | | | | |
|---|-----------|---------------|--------------|----------------|--------------------------|--------------------------|--------------------|-------------------|--------------------------------------|--------------------------|
| REFERENCE | | | | | | | | | DISPLAY DATES | |
| 43 17 13.0 N. | | | | | | | | | DATA 12-11-08 | |
| 91 53 03.0 W. | | | | | | | | | SEARCH 12-11-08 | |
| CH CITY | CALL | TYPE STATE | ANT STATE | AZI <-- | DIST FILE # | LAT LNG | PWR(kW) HAAT(M) | INT(km) COR(M) | PRO(km) LICENSEE | *OUT* (Overlap in km) |
| 247D Decorah | K247BF | LIC _C_ IA | | 0.0 0.0 | 0.0 BLFT20070226ABN | 43 17 13.0 91 53 03.0 | 0.115 461 | 0.8 | 12.4 Minnesota Public Radio | -13.1* |
| 244C3 Boscobel | AU7058935 | VAC _ WI | | 99.7 280.5 | 97.3 RM10350 | 43 08 04.0 90 42 19.0 | 25.000 100 | 112.2 381 | 37.7 Starboard Broadcasting, Inc. | 15.4 |
| 243C2 Rochester | KWWK | LIC _CN MN | | 325.4 144.9 | 101.2 BLH19921005KG | 44 01 59.0 92 36 10.0 | 43.000 161 | 76.3 513 | 51.1 Cumulus Licensing LLC | 33.6 |
| 245D New Hampton | K245AL | LIC _V_ IA | | 236.4 56.1 | 41.8 BLFT20070514ABO | 43 04 42.0 92 18 44.0 | 0.250 422 | 13.7 | 9.8 Horizon Christian Fellowship | 15.9 |
| 243C1 Cedar Rapids | WMT-FM | LIC _CX IA | | 171.8 352.0 | 141.3 BMLH20050908ACY | 42 01 40.0 91 38 25.0 | 100.000 158 | 87.8 411 | 58.2 Citicasters Licenses, L.p. | 68.7 |
| 246C1 Sparta | WCOW-FM | LIC _CN WI | | 47.1 227.8 | 112.1 BLH19881215KB | 43 58 06.0 90 51 35.0 | 100.000 179 | 8.8 465 | 66.3 Sparta-tomah Broadcasting | 45.1 |
| 241C2 Tomah | WXYM | LIC _CN WI | | 45.9 226.7 | 119.0 BLH19970312KB | 44 01 32.0 90 48 58.0 | 44.000 160 | 5.9 446 | 52.2 Magnum Radio, Inc. | 66.1 |
| 244C2 Whiting | WLJY | LIC _CN WI | | 46.4 227.8 | 221.7 BLH19971216KZ | 44 38 33.0 89 51 24.0 | 50.000 150 | 137.7 500 | 52.2 Nrg License Sub, LLC | 127.1 |
| 297D La Crosse | 637595 | APP _C_ WI | | 40.5 220.9 | 82.3 BNPFT20030313AUF | 43 50 51.0 91 13 08.0 | 0.250 227 | 2.0 | 12.5 Sister Grace, Inc. | 9.5R 72.8M |
| 297D La Crosse | 639690 | APP _C_ WI | | 40.5 220.9 | 82.3 BNPFT20030314ALB | 43 50 51.0 91 13 08.0 | 0.250 227 | 2.0 | 12.5 Sister Grace, Inc. | 9.5R 72.8M |
| 241C3 Albert Lea | KQPR | LIC ZCX MN | | 289.3 108.4 | 113.6 BLH20040317AEQ | 43 36 58.0 93 12 47.0 | 25.000 94 | 3.9 470 | 37.7 Hometown Broadcasting, Inc. | 75.2 |
| 241A Hudson | KCVM | LIC ZCN IA | | 205.1 24.7 | 107.1 BLH19970815KC | 42 24 47.0 92 26 15.0 | 6.000 100 | 3.0 384 | 30.8 Fife Communication Company | 75.6 |

Terrain database is USGS 03 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 = 2, Co to 3rd adjacent.
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
 Incoming contour overlap is ignored.
 "*"affixed to 'IN' or 'OUT' values = site inside protected contour.

HOW TO READ THE FM COMPUTER PRINT-OUT

Translator Reference Station

The computer printout should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. The 60 dBu protected contour is predicted from the Commission's F(50-50) table. Contour distances are in kilometers and are predicted using the Commission's TVFMINT FORTRAN subroutine. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. If signal contour distances are less than 1.6 km the free-space equation is used.

All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90. The column labeled "* OUT *" shows the greatest distance in kilometers of overlap (or smallest distance of clearance) between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing contour overlap. Since translators are able to receive interference there is no "In" or incoming column in this report.

Listed antenna heights and power are the specific antenna heights and power from the FCC database.

Under the "AZI" column, the first row of numbers indicate the True North azimuths from the reference station toward the database stations, while the numbers in the second row indicate the reverse bearings from the database stations to the reference station. Bearings are calculated using spherical trigonometry.

The columns labeled "INT" and "PRO" contain the distance in kilometers of the appropriate interference contour and the protected contour of a data base station.

For I.F. relationships the minimum spacings the "IN" and "OUT" columns change their significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column follows the **available clear space** separation in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended. Canadian and Mexican separation distances, U/D ratios and protected contour values are from the US/Mexican Working Agreement and the US/Canada Working Agreement".

The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. "Z" indicates a 73.215 directional. An "N" indicates it is a 73.215 station that operates with an omni-directional antenna. The fifth letter will be an E, H or V depending on the type of antenna polarization. The sixth letter will be a "Y" if the antenna uses beam tilt or an "X" if the commission is not sure, otherwise it will be an "N" or left blank.