

## Channel Study

| REFERENCE     |         | CH# 209D - 89.7 MHz, Pwr= 0.25 kW, HAAT= 74.7 M, COR= 466 M |     |       |                    |             |         |         |                            | DISPLAY DATES   |        |  |
|---------------|---------|---|-----|-------|--------------------|-------------|---------|---------|----------------------------|-----------------|--------|--|
| 44 20 33.0 N. |         | Average Protected F(50-50)= 11.2 km                         |     |       |                    |             |         |         |                            | DATA 03-21-14   |        |  |
| 98 14 38.0 W. |         | Omni-directional  |     |       |                    |             |         |         |                            | SEARCH 03-21-14 |        |  |
| 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) |        |  |
| 208C1         | KTUT    | APP   | CX  | 58.2  | 52.56              | 44 35 24.0  | 65.000  | 92.2    | 62.6                       | -51.3*          | -26.6* |  |
| Frankfort     |         | SD  |     | 238.6 | BPED20130417AAS    | 97 40 46.0  | 182     | 696     | Agnus Dei Communications,  |                 |        |  |
| 209D          | K209EM  | LIC   | C   | 144.4 | 0.03               | 44 20 32.0  | 0.250   | 33.3    | 10.0                       | -45.3*          | -51.2* |  |
| Huron         |         | SD  |     | 324.4 | BLFT20020521AAN    | 98 14 37.0  | 62      | 453     | Educational Media Foundati |                 |        |  |
| 06 D          | K06QJ-D | CP  | Y   | 125.6 | 151.66             | 43 32 17.0  | 3.000   | 1.1     | 18.7                       | 135.0R          | 16.7M  |  |
| Sioux Falls   |         | SD  |     | 306.7 | BNPDVL20100723AQN  | 96 42 50.0  | 61      | 476     | Dtv America Corporation    |                 |        |  |
| 208A          | KTUT    | LIC   | CX  | 356.9 | 57.10              | 44 51 19.3  | 0.100   | 8.0     | 5.6                        | 37.7            | 35.0   |  |
| Frankfort     |         | SD  |     | 176.9 | BLED20120911ACI    | 98 16 57.4  | 3       | 394     | Agnus Dei Communications,  |                 |        |  |
| 209C1         | KUSD    | LIC   | CN  | 140.3 | 185.38             | 43 03 00.0  | 32.000  | 136.5   | 55.0                       | 36.6            | 88.1   |  |
| Vermillion    |         | SD  |     | 321.3 | BLED19920212KA     | 96 47 12.0  | 202     | 614     | South Dakota Board Of Dire |                 |        |  |
| 06 D          | K06QG-D | CP  | N   | 139.4 | 254.40             | 42 35 12.0  | 0.300   | 1.1     | 18.7                       | 135.0R          | 119.4M |  |
| Sioux City    |         | IA  |     | 320.8 | BMJADVL20100519AAZ | 96 13 19.0  | 593     | 956     | Hispanic Family Christian  |                 |        |  |
| 06 D          | K06JC-D | LI  | D N | 247.7 | 419.48             | 42 48 46.8  | 0.066   | 1.1     | 18.7                       | 135.0R          | 284.5M |  |
| Chadron       |         | NE  |     | 64.5  | BLDTV20081121AKA   | 103 00 22.0 | 155     | 1153    | Nebraska Educational Telec |                 |        |  |

Terrain database is 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.  
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 protected contour.