

## Channel Study

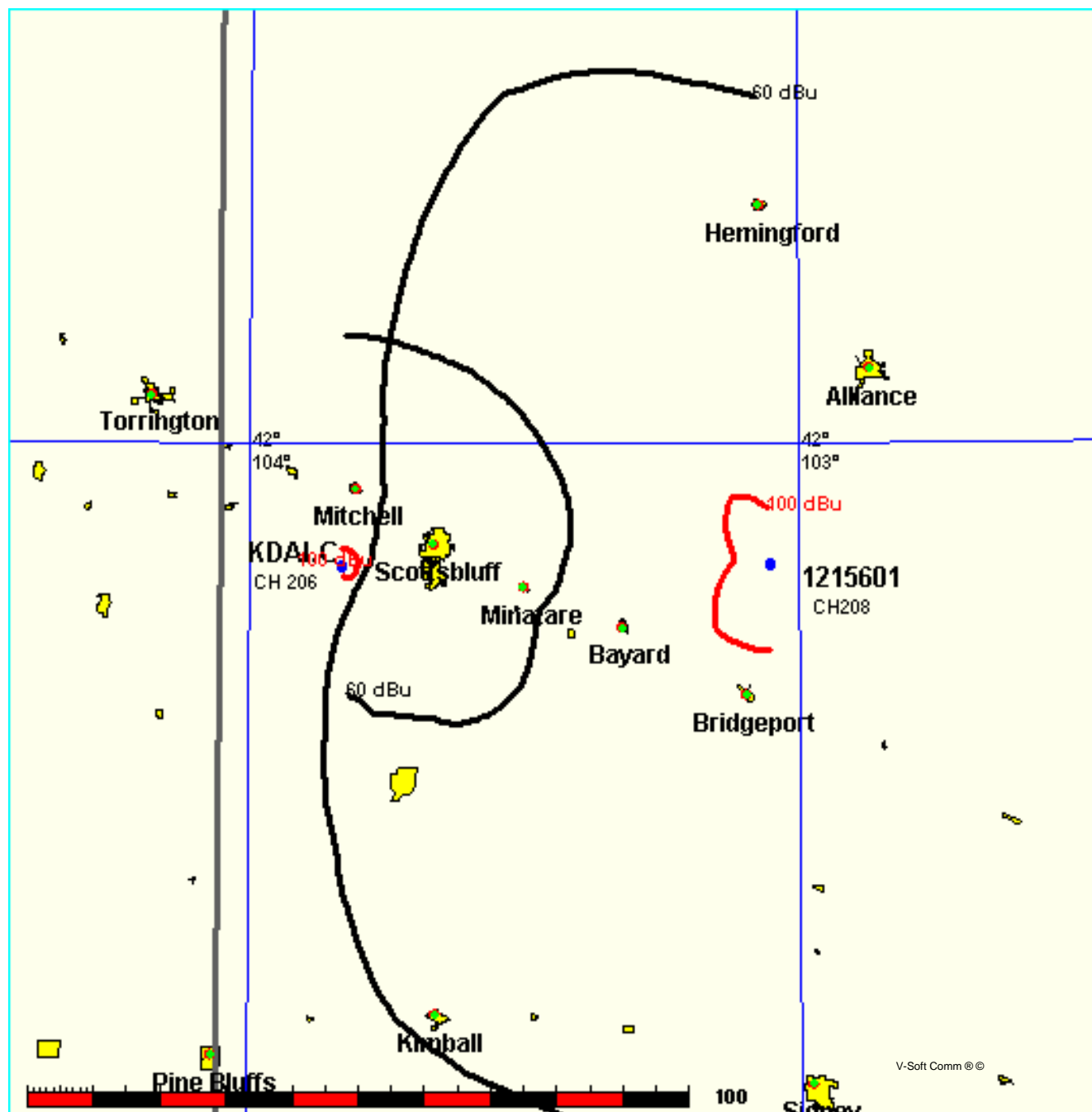
| REFERENCE   |      | CH# 206C3- 89.1 MHz, Pwr= 1.4 kW, HAAT= 238.1 M, COR= 1532 M |                |                            |                           |                    |                   |                                    | DISPLAY DATES           |          |
|---|------|--|----------------|----------------------------|---------------------------|--------------------|-------------------|------------------------------------|-------------------------|----------|
| 41 50 21.0 N.   |      | Average Protected F(50-50)= 30.2 km                          |                |                            |                           |                    |                   |                                    | DATA 04-22-08           |          |
| 103 49 53.0 W.  |      |  |                |                            |                           |                    |                   |                                    | SEARCH 04-22-08         |          |
| CH<br>CITY  | CALL | TYPE ANT<br>STATE  | AZI.<br><--    | DIST<br>FILE #             | LAT.<br>LNG.              | Pwr(kW)<br>HAAT(M) | INT(km)<br>COR(M) | PRO(km)<br>LICENSEE                | *IN*<br>(Overlap in km) | *OUT*    |
| 206C3 KDAI<br>Scottsbluff   |      | CP CX<br>NE  | 0.0<br>0.0     | 0.00<br>BNPED20080125AEF   | 41 50 21.0<br>103 49 53.0 | 1.200<br>230       | 88.1<br>1524      | 32.5<br>Educational Media Foundati | -122.27*                | -123.57* |
| 208C 1215601<br>Scottsbluff   |      | APP DCX<br>NE  | 89.6<br>270.1  | 64.49<br>BNPED20071022BKJ  | 41 50 27.0<br>103 03 18.0 | 100.000<br>485     | 5.5<br>1747       | 60.2<br>Pearl Communications Group | 25.56                   | 1.95     |
| 204C2 1165122<br>Alliance   |      | APP CX<br>NE   | 62.1<br>242.6  | 66.61<br>BNPED20071012AFW  | 42 07 01.0<br>103 07 09.0 | 25.000<br>156      | 5.0<br>1420       | 46.0<br>Mission Nebraska, Inc.     | 26.37                   | 18.21    |
| 207A 1200716<br>Burns   |      | APP DVX<br>WY  | 206.1<br>25.8  | 79.85<br>BNPED20071019AZU  | 41 11 34.9<br>104 15 02.9 | 2.500<br>117       | 40.0<br>1748      | 26.4<br>Catholic Hour, Inc.        | 18.37                   | 21.71    |
| 207A 1215192<br>Pine Bluffs   |      | APP VX<br>WY   | 202.2<br>22.0  | 78.21<br>BNPED20071022AFK  | 41 11 13.0<br>104 11 05.0 | 0.600<br>70        | 22.5<br>1683      | 15.0<br>Better Life Ministries     | 34.14                   | 31.25    |
| 208A 1214544<br>Alliance  |      | APP CX<br>NE   | 69.2<br>249.8  | 83.41<br>BNPED20071019AHS  | 42 06 05.3<br>102 53 18.8 | 5.000<br>13        | 1.6<br>1242       | 15.0<br>Iglesia Bethel De Las Asam | 46.42                   | 66.05    |
| 204A 1211094<br>Alliance  |      | APP CX<br>NE   | 68.5<br>249.1  | 85.71<br>BNPED20071019BBP  | 42 07 02.0<br>102 52 00.0 | 6.000<br>42        | 1.8<br>1257       | 17.9<br>Bethesda Christian Broadca | 48.52                   | 65.45    |
| 205A 1221598<br>Burns   |      | APP CX<br>WY   | 216.9<br>36.5  | 93.84<br>BNPED20071018AAY  | 41 09 45.0<br>104 30 16.0 | 0.600<br>36        | 18.3<br>1774      | 12.5<br>Cedar Cove Broadcasting, I | 53.57                   | 48.82    |
| 206A NEW<br>Julesburg   |      | CP VX<br>CO  | 130.0<br>311.0 | 159.98<br>BNPED20071018AZJ | 40 54 19.0<br>102 22 32.0 | 1.000<br>116       | 67.6<br>1250      | 22.1<br>Educational Communications | 60.33                   | 50.36    |
| 207C3 1205503<br>Chadron  |      | APP CX<br>NE   | 31.6<br>212.1  | 129.73<br>BNPED20071012DYK | 42 49 49.0<br>102 59 55.0 | 17.400<br>-2       | 31.4<br>1056      | 20.8<br>American Family Associatio | 63.84                   | 57.14    |
| 205A KEZF<br>Eaton  |      | LIC CX<br>CO   | 226.1<br>45.4  | 111.78<br>BLED20040204ACB  | 41 08 17.0<br>104 47 30.0 | 0.640<br>-1        | 15.3<br>1871      | 10.8<br>Cedar Cove Broadcasting, I | 72.67                   | 65.32    |
| 207A KEZG<br>Esterbrook   |      | CP CX<br>WY  | 290.3<br>109.2 | 141.59<br>BNPED20071018AAW | 42 16 06.0<br>105 26 31.0 | 0.035<br>961       | 43.6<br>3120      | 27.4<br>Cedar Cove Broadcasting, I | 66.37                   | 66.44    |
| Terrain database is NGDC 30 SEC Distance + R = FCC Required Spacings in KM, Distance + M = Margin in KM       |      |  |                |                            |                           |                    |                   |                                    |                         |          |
| ERP and HAAT on direct-line with reference station.   |      |  |                |                            |                           |                    |                   |                                    |                         |          |
| 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.   |      |  |                |                            |                           |                    |                   |                                    |                         |          |

Exhibit 16 - A

FMCommander Single Allocation Study  
04-22-2008

KDAI.C CH 206 C3  
1.4 kW 1532 M COR  
Prot. = 60 dBu  
Intef. = 100 dBu

1215601 CH 208 C BNPED20071022BKJ  
100.0 kW, 1747 M COR DA  
Prot. = 60 dBu  
Intef. = 100 dBu



**1215601 vs. KDAI**

04-22-2008 NGDC 30 SEC Terrain Data

1215601 BNPED20071022BKJ  
Channel = 208C  
Max ERP = 100 kW  
RCAMSL = 1747 M  
N. Lat. 41 50 27.0  
W. Lng. 103 03 18.0  
Protected  
60 dBu

KDAI . C  
Channel = 206C3  
Max ERP = 1.4 kW  
RCAMSL = 1532 M  
N. Lat. 41 50 21.0  
W. Lng. 103 49 53.0  
Interfering  
100 dBu

| Azi muth<br>(degrees) | ERP<br>(kW) | HAAT<br>(m) | Di st<br>(km) | Azi muth<br>(degrees) | ERP<br>(kW) | HAAT<br>(m) | Di st<br>(km) | Actual<br>(dBu) |
|-----------------------|-------------|-------------|---------------|-----------------------|-------------|-------------|---------------|-----------------|
| 267.0                 | 010.3942    | 0493.8      | 062.2         | 141.9                 | 001.4000    | 0233.4      | 003.9         | 93.49           |
| 268.0                 | 009.8973    | 0491.6      | 061.5         | 123.2                 | 001.4000    | 0275.1      | 003.6         | 95.01           |
| 269.0                 | 009.4126    | 0489.3      | 060.9         | 103.7                 | 001.4000    | 0244.1      | 003.7         | 94.25           |
| 270.0                 | 008.9401    | 0487.1      | 060.2         | 087.5                 | 001.4000    | 0300.9      | 004.3         | 93.23           |
| 271.0                 | 008.9401    | 0484.6      | 060.1         | 074.4                 | 001.4000    | 0327.5      | 004.6         | 92.68           |
| 272.0                 | 008.9401    | 0482.1      | 059.9         | 063.6                 | 001.4000    | 0327.9      | 005.1         | 91.41           |