## Channel Study

REFERENCE CH# 209C3- 89.7 MHz, Pwr= 2.7 kW, HAAT=160.4M, COR= 1314 M DISPLAY DATES

45 51 12 N. Average Protected F(50-50)= 29.1 km DATA 02-21-06
108 45 50 W. Ave. F(50-10) 40 dBu= 83.9 54 dBu= 44.0 80 dBu= 9.5 100 dBu= 2.6 SEARCH 02-22-06

| CH | CALL | TYPE | | AZI. | DIST | LAT. | Pwr(kW) | COR(M) | PRO(km) | *IN* | *OUT* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CITY | | STATE | | <-- | FILE # | LNG. | HAAT(M) | INT(km) | LICENSEE | (Overlap in km) | |
| 209A | KBIL | LIC | VX | 230.4 | 48.43 | 45 34 31 | 1.500 | 1326 | 24.4 | -52.14 | -56.58 |
| Park City | | MT | | 50.4 | BLED20050531BNJ | 109 14 34 | 145 | 73.4 | Educational Media Foundati | | |
| 207A | KLMT | LIC | EX | 112.6 | 25.97 | 45 45 48 | 0.980 | 1205 | 23.3 | 0.10 | 0.97 |
| Billings | | MT | | 292.6 | BLED20030121AAQ | 108 27 20 | 162 | 1.8 | Western Inspirational Broa | | |
| 211A | KBLW | LIC | VX | 112.4 | 25.98 | 45 45 51 | 0.250 | 1151 | 13.4 | 0.88 | 10.88 |
| Billings | | MT | | 292.4 | BLED20021210ACF | 108 27 18 | 109 | 1.1 | Hi-line Radio Fellowship, | | |
| 211A | KBLW.C | CP | CX | 113.1 | 26.32 | 45 45 37 | 0.450 | 1187 | 18.8 | 0.88 | 5.85 |
| Billings | | MT | | 293.1 | BPED20030228AGD | 108 27 09 | 153 | 1.5 | Hi-line Radio Fellowship, | | |
| 06Z2C | KSVI | LI | HN | 98.7 | 33.31 | 45 48 26 | 100.000 | 1287 | 103.6 | 196.0R | -162.7M |
| Billings | | MT | | 278.7 | BLCT19930119KE | 108 20 25 | 249 | 19.5 | Nexstar Broadcasting, Inc. | | |

ERP and HAAT on direct-line with reference station.
• affixed to TV6 Margin= no direct-line contour overlap.

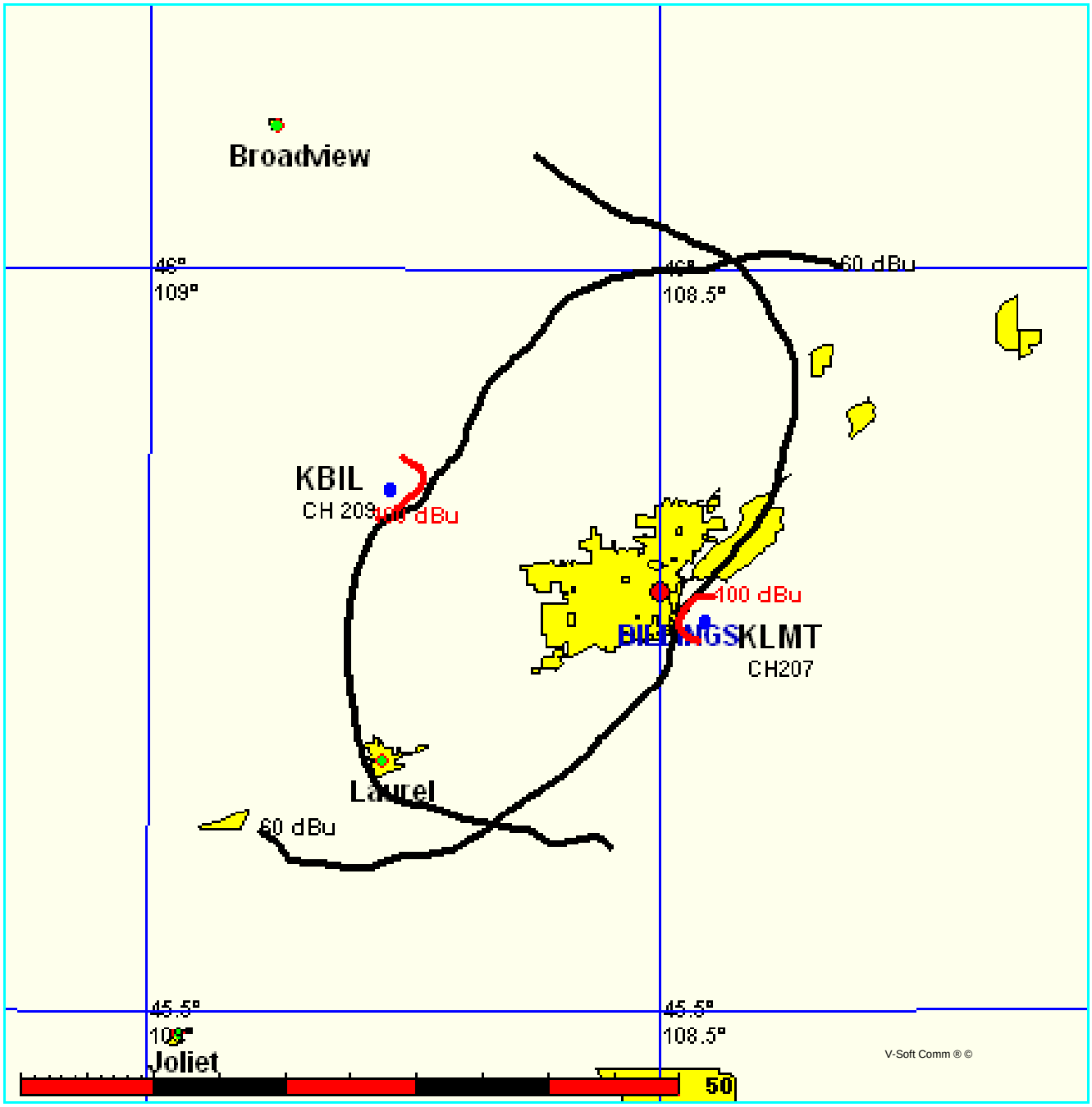
Exhibit 15 - A

FMCommander Allocation Study
02-23-2006

KBIL CH 209 C3
2.7 kW 1314 M COR DA
Prot. = 60 dBu
Intef. = 100 dBu

KLMT CH 207 A BLED20030121AAQ
.98 kW, 1205 M COR
Prot. = 60 dBu
Intef. = 100 dBu

Scale = 1:750,000



## KBIL and KLMT

02-23-2006 30 Sec. Terrain Data FMOver Analysis

KBIL
Channel = 209C3
Max ERP = 2.7 kW
RCAMSL = 1314 M
N. Lat = 45 51 12
W. Lng = 108 45 50
Protected
60 dBu

KLMT BLED20030121AAQ
Channel = 207A
Max ERP = 0.98 kW
RCAMSL = 1205 M
N. Lat = 45 45 48
W. Lng = 108 27 20
Interfering
100 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|---|---|---|---|---|---|---|---|---|
| 109.0 | 000.8522 | 0198.0 | 024.7 | 341.4 | 000.9800 | 0216.2 | 002.1 | 99.19 |
| 110.0 | 000.8227 | 0197.4 | 024.4 | 328.2 | 000.9800 | 0184.9 | 001.9 | 99.56 |
| 111.0 | 000.7923 | 0197.5 | 024.2 | 314.2 | 000.9800 | 0169.1 | 001.9 | 99.58 |
| 112.0 | 000.7624 | 0198.4 | 024.1 | 300.7 | 000.9800 | 0155.1 | 001.9 | 99.06 |
| 113.0 | 000.7332 | 0200.6 | 024.0 | 288.4 | 000.9800 | 0192.1 | 002.0 | 99.23 |
| 114.0 | 000.7045 | 0204.5 | 024.0 | 277.0 | 000.9800 | 0219.9 | 002.1 | 99.15 |

02-23-2006 30 Sec. Terrain Data

KLMT BLED20030121AAQ
Channel = 207A
Max ERP = 0.98 kW
RCAMSL = 1205 M
N. Lat = 45 45 48
W. Lng = 108 27 20
Protected
60 dBu

KBIL
Channel = 209C3
Max ERP = 2.7 kW
RCAMSL = 1314 M
N. Lat = 45 51 12
W. Lng = 108 45 50
Interfering
100 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|---|---|---|---|---|---|---|---|---|
| 287.0 | 000.9800 | 0199.2 | 025.5 | 190.1 | 001.9281 | 0182.9 | 002.6 | 99.09 |
| 288.0 | 000.9800 | 0192.1 | 025.1 | 178.1 | 001.3409 | 0204.1 | 002.2 | 99.56 |

Exhibit 15 - B

FMCommander Allocation Study
02-23-2006

KBIL CH 209 C3
2.7 kW 1314 M COR DA
Prot. = 60 dBu
Intef. = 100 dBu

KBLW CH 211 A BLED20021210ACF
.25 kW, 1151 M COR
Prot. = 60 dBu
Intef. = 100 dBu

Scale = 1:750,000

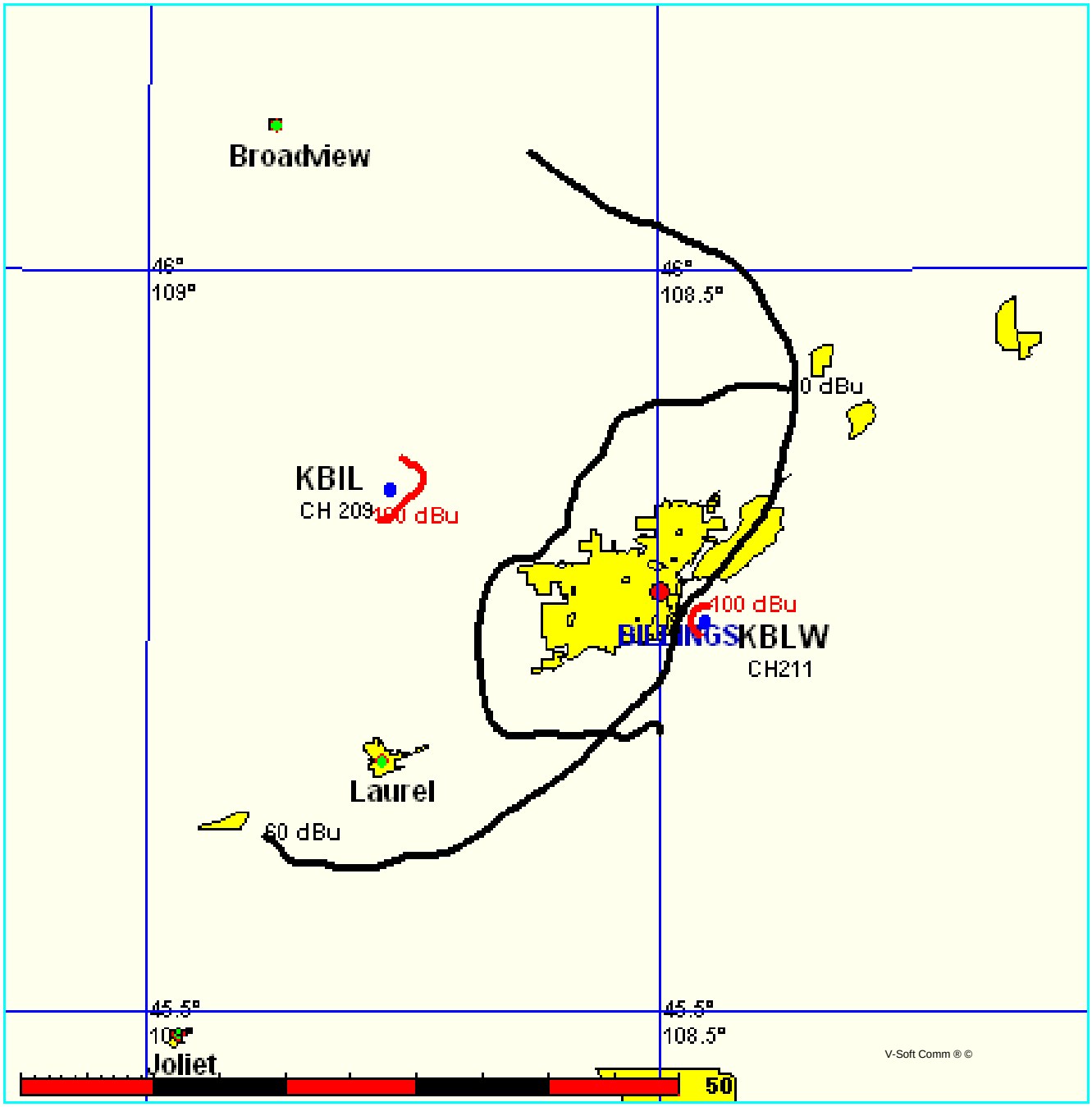


Exhibit 15 - C

FMCommander Allocation Study
02-23-2006

KBIL CH 209 C3
2.7 kW 1314 M COR DA
Prot. = 60 dBu
Intef. = 100 dBu

KBLW.C CH 211 A BPED20030228AGD
.45 kW, 1187 M COR
Prot. = 60 dBu
Intef. = 100 dBu

Scale = 1:750,000