

EXHIBIT VII.13a.1

Overview of Contour Overlap and Allocation Studies

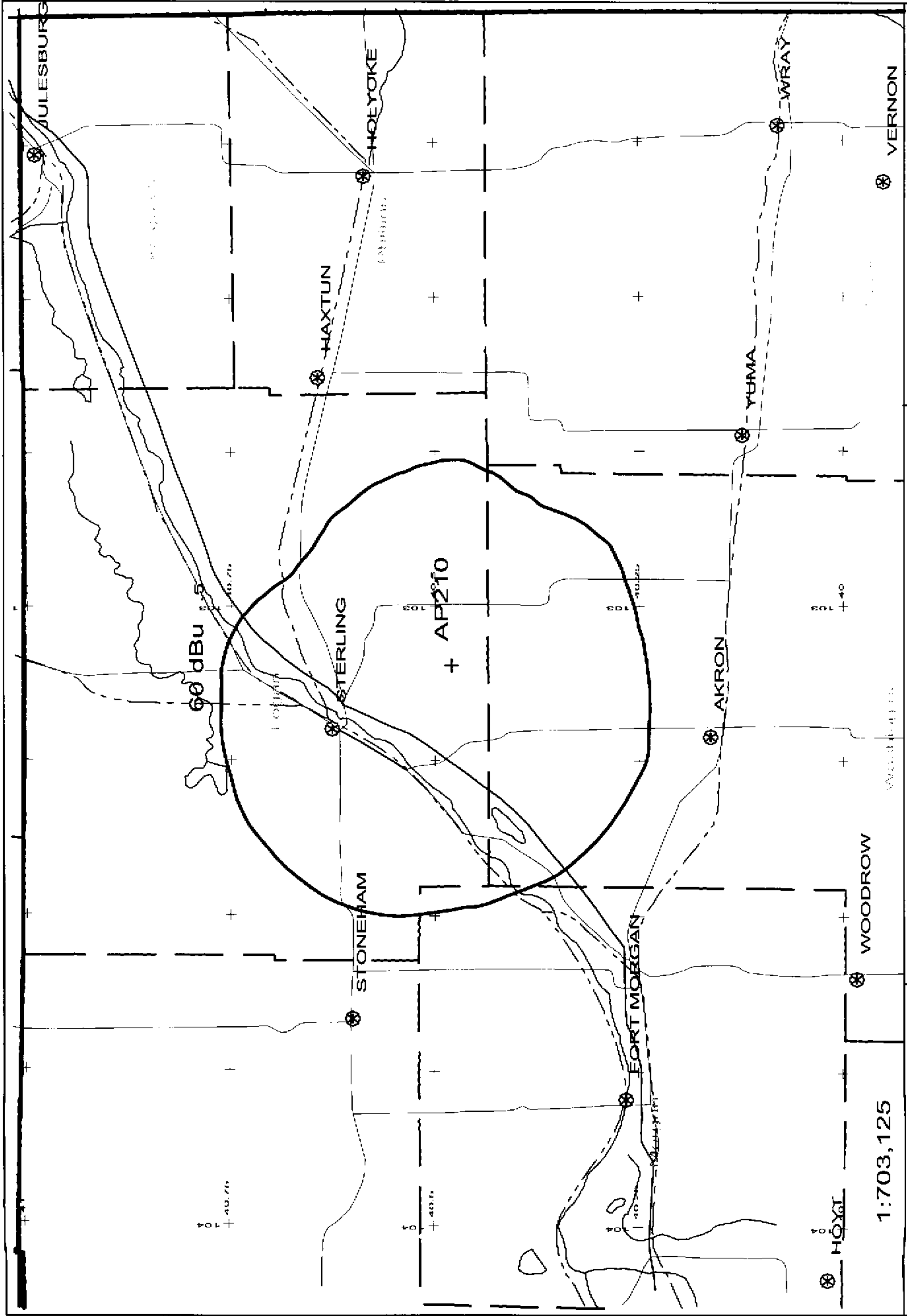
Distance between facilities was calculated with the 30 second N.D.G.C. terrain database using a computer program which duplicates the calculations specified in Section 73.208(b) of the Commission's Rules. Distance to contours was calculated using the Commission's F(50,50) and F(50,10) FM curves as appropriate. Contours for the proposed facilities with respect to other FM stations were based on the circularly polarized power specified in Section V, question 9 at the HAAT specified in question 8. Terrain information was interpolated arithmetically based on data given for the standard eight radials, or in cases of potential adjacent channel interference, using 360 radials for calculation and plotting of service and interference contours. Technical facilities for existing and proposed stations were based on data on file with the Commission for the station or applicant involved.

Exhibit VII.13a.2

Channel Study

REFERENCE CH# 210C3 - 89.9 MHz, Pwr= 5 kW, HAAT=123.6 M, COR= 1453 M DISPLAY DATES
 40 28 48 N Average Protected F(50-50)= 29.82 km DATA 11-16-02
 103 05 47 W Ave. F(50-10) 40 dBu= 87.6 54 dBu= 45.7 80 dBu= 9.6 100 dBu= 2.8 SEARCH 11-23-02

| CH CITY | CALL | TYPE STATE | AZI. <-- | DIST FILE # | LAT. LNG. | Pwr(kw) HAAT(M) | COR(M) INT(km) | PRO(km) LICENSEE | *IN* (Overlap in km) | *OUT* |
|---|--------|---------------|----------------|---------------------------|-----------------------|--------------------|-------------------|------------------------------------|-------------------------|-------|
| 212C3 Sterling Vertical Polarization Only | 980813 | CP CX CO | 149.6 329.6 | 44.33 BPED19980813MF | 40 08 09 102 49 56 | 25.000 53 | 1341 3.0 | 29.3 Educational Communications | 11.52 | 12.17 |
| 208A Brush | 971017 | APP CN CO | 243.5 63.5 | 51.54 BPED19980115MA | 40 16 19 103 38 20 | 5.000 23 | 1337 1.6 | 15.0 Ed Communications Of Co Sp | 20.11 | 33.71 |
| 208A Brush | 980814 | APP CN CO | 232.5 52.5 | 52.41 BPED19980814MJ | 40 11 32 103 35 07 | 6.000 100 | 1432 2.8 | 28.3 Broadcasting For The Chall | 19.84 | 21.28 |
| 209C1 Loveland Amended 980427 | 971209 | CP EN CO | 282.6 102.6 | 154.65 BPED19971209M1 | 40 46 11 104 53 03 | 80.000 161 | 1813 86.3 | 57.8 Colorado Christian Univers | 38.48 | 51.14 |
| 211C1 Denver | KVOD | LIC CY CO | 246.2 66.2 | 201.59 BLED19851115KB | 39 43 49 105 14 59 | 50.000 277 | 2333 93.1 | 63.6 Public Broadcasting Of Col | 78.67 | 92.27 |
| 06Z2C Hayes Center | KWNBTV | LI HN NE | 84.0 264.0 | 175.85 BLCT20000828AHT | 40 37 32 101 01 45 | 100.000 221 | 1160 0.0 | 96.2 Pappas Telecasting Of Cent | To Grd B= | 79.70 |



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|---|---|-----------------------------|
| <p>Scale in km</p> <p>0 10 20 30 40</p> | <p>Exhibit VII.13a.3</p> <p>Coverage of Proposed FM</p> | <p>AP210</p> <p>- 11/02</p> |
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