

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
40 28 48 N
103 05 47 W

CH# 210C3 - 89.9 MHz, Pwr= 5 kW, HAAT=123.6 M, COR= 1453 M
Average Protected F(50-50)= 29.82 km
Ave. F(50-10) 40 dBu= 87.6 54 dBu= 45.7 80 dBu= 9.6 100 dBu= 2.8

DISPLAY DATES
DATA 11-16-02
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
0622C Hayes Center	KWNBTB	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

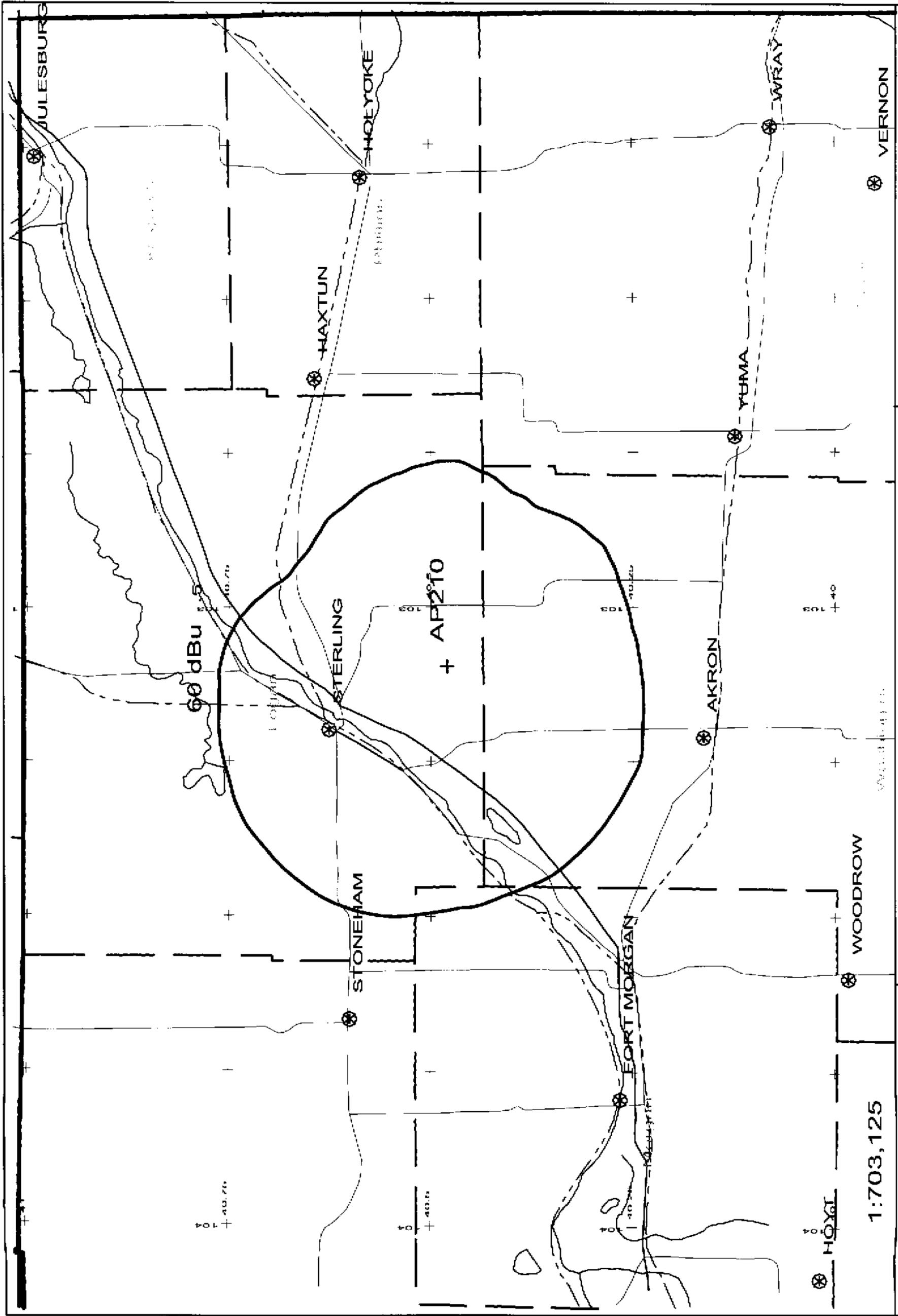


Exhibit VII.13a.3
Coverage of Proposed FM

AP210
- 11/02

