

EXHIBITS
14 and 15

Overview of Contour Overlap and Allocation Studies

Distance between facilities was calculated 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.

Two facilities/applications, KAJX and AP217, Salida, CO simultaneously filed with this application by Educational Communications of Colorado Springs, Inc, merit further study. The service and interference contours of both stations are plotted on Exhibits VII.13a.3&4 respectively, while a detailed interference contour with respect to AP217, Salida, CO is presented in Exhibit VII.13a.5. Those exhibits demonstrate no prohibited overlap between the proposed facility and the aforementioned facilities.

This proposal was mutually exclusive with AP214, in Leadville, CO by The University of Northern Colorado, BPED000329MC, however, the changes herein submitted remove that mutual exclusivity. The proposed facility is thus grantable, and would serve the public interest.

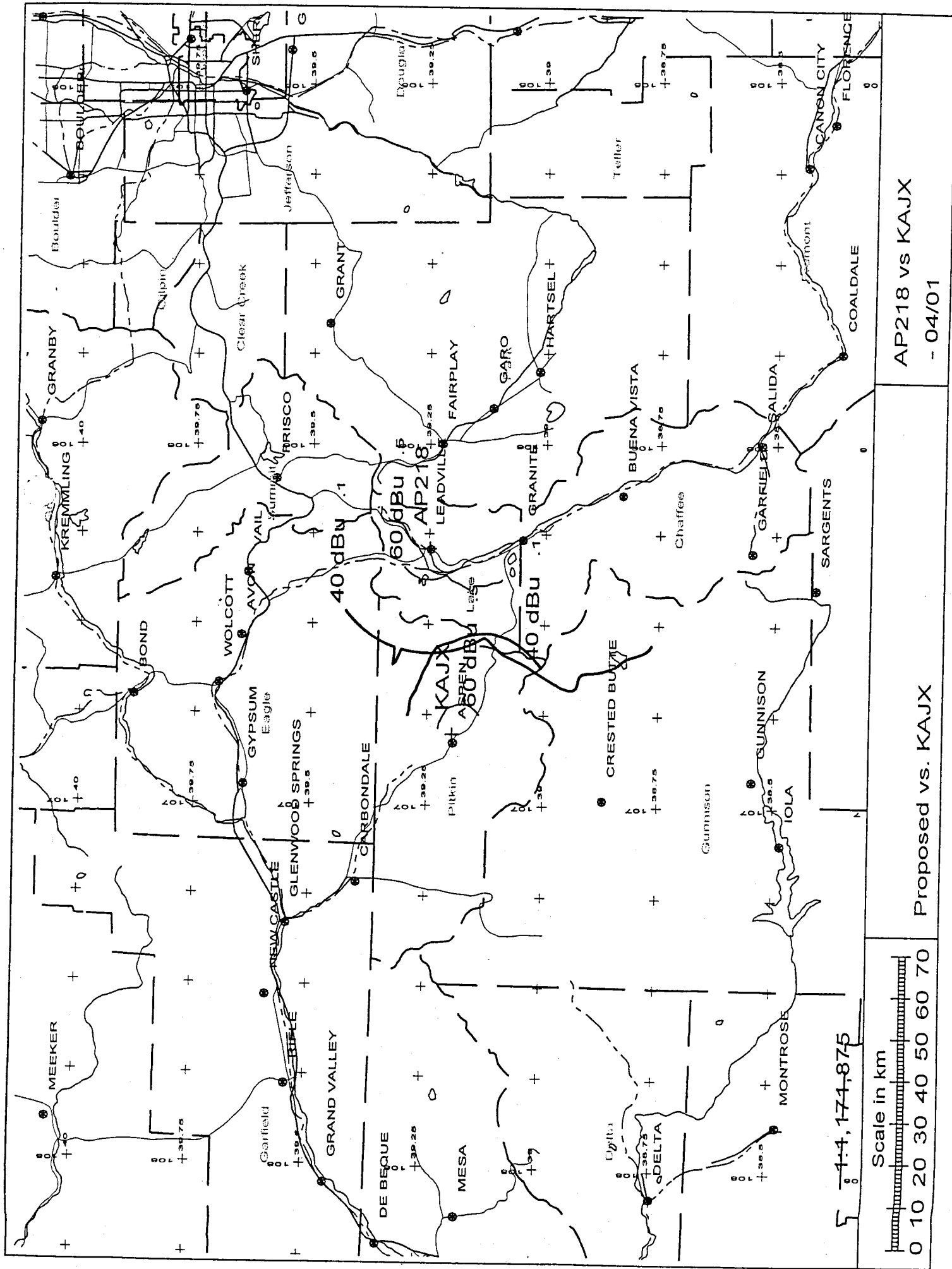
Channel Study

REFERENCE 39 14 56 N
106 17 30 W

CH# 218A - 91.5 MHz, Pwr= 0.3 kw, HAAT=45.1 M, COR= 3102 M
Average Protected F(50-50)= 9.17 km
Ave. F(50-10) 40 dBu= 30.5 54 dBu= 12.8 80 dBu= 2.9 100 dBu= 1.2

DISPLAY DATES
DATA 04-19-01
SEARCH 04-22-01

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* (Overlap in km)
218A Aspen	KAJX	LIC DEN CO	262.7 82.7	44.61 BLED19910514KC	39 11 48 106 48 14	0.380 -301	2670 26.5	7.9 Roaring Fork Public Radio	8.95	6.22
218C1 Colorado Springs	KRCC	LIC DCN CO	113.9 293.9	135.92 BLED19940124KZ	38 44 43 104 51 42	2.100 687	2920 130.4	54.9 The Colorado College	-3.64	50.52
217C3 Gypsum	980417	APP CN CO	323.9 143.9	56.05 BPED19980417MC	39 39 20 106 40 39	0.800 316	2843 46.0	30.4 Colorado Christian Univers	0.91	12.82
215A Leadville	990903	APP CN CO	0.0 180.0	0.00 BPED19990903MB	39 14 56 106 17 30	0.300 45	3102 1.2	9.2 Educ. Comm. Of Colorado Sp	-10.38	-10.38
218C1 Greeley	KUNCFM	LIC CN CO	38.5 218.5	199.49 BLED19840203AN	40 38 34 104 49 08	100.000 174	1736 158.6	61.3 Trustees For The Universit	31.70	107.69
216C Morrison	KWBI.C	CP EN CO	66.9 246.9	100.99 BPED19980108IA	39 36 00 105 12 35	100.000 368	2461 11.2	77.4 Colorado Christian Univers	80.65	22.37
216C Morrison	KLDV	LIC DCN CO	66.9 246.9	100.99 BLED19860908KB	39 36 00 105 12 35	100.000 356	2448 11.0	76.5 Colorado Christian Univers	80.82	23.25
272A Breckenridge	KSMT	LIC CN CO	39.4 219.4	35.53 BLH6825	39 29 44 106 01 44	3.000 -70	3250 0.0	13.2 Agm-rocky Mountain Broadca	10.0R	25.5M
220C Glenwood Springs	KDRH.C	CP E CO	282.2 102.2	95.80 BPED19990625IA	39 25 30 107 22 46	1.000 811	3261 2.2	51.5 Colorado Christian Univers	84.45	43.07
220C3 Glenwood Springs	KLXV	LIC CN CO	282.2 102.2	95.80 BLED19950825KB	39 25 30 107 22 46	0.220 811	3261 1.0	37.1 Colorado Christian Univers	85.59	57.45
216A Gunnison	KWSBFM	LIC CN CO	213.6 33.6	96.72 BLED19850430LR	38 31 22 106 54 28	0.135 91	2627 0.8	10.6 Western State College of C	86.74	84.90
217A Sidney	980415	APP CN CO	341.7 161.7	140.72 BPED19980415MB	40 27 01 106 48 55	6.000 -354	2082 23.5	15.8 Broadcasting For The Chall	108.07	112.14
217A Sidney	971014	APP CN CO	340.7 160.7	142.89 BPED19971014MB	40 27 43 106 50 57	1.500 186	2530 41.0	27.2 Ed Communications Of Co Sp	92.72	102.84
06-2E Denver	KRMATV	AP HN CO	59.2 239.2	105.56 BPET19990107KE	39 43 48 105 14 00	100.000 410	2425 0.0	112.3 Rocky Mtn Pub Bcng Network	To Grd B=	-6.70



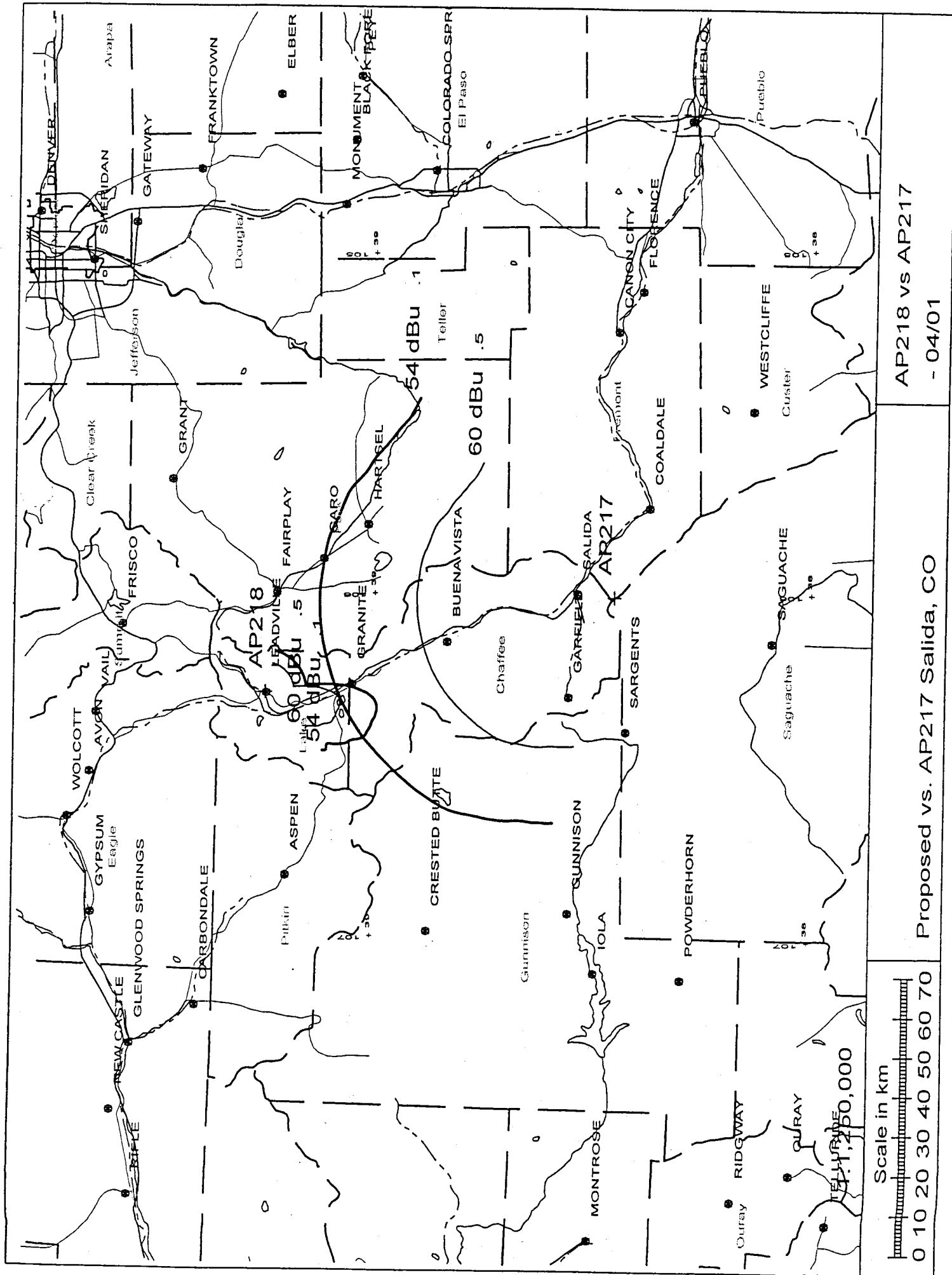
Scale in km

0 10 20 30 40 50 60 70

Proposed vs. KAJX

AP218 vs KAJX

- 04/01



Scale in km

0 10 20 30 40 50 60 70

Proposed vs. AP217 Salida, CO

AP218 vs AP217

- 04/01

Proposed vs. AP217 - Salida, CO

04-22-2001 30 Sec. Terrain Data

AP218 BPED19990903MB

Channel = 218A

Max ERP = 0.3 kW

RCAMSL = 3102 M

N. Lat = 39 14 56

W. Lng = 106 17 30

Protected
60 dBu

AP217 BPED19990903MG

Channel = 217C2

Max ERP = 0.385 kW

RCAMSL = 3567 M

N. Lat = 38 26 48

W. Lng = 106 00 36

Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
170.0	000.3000	0025.8	007.4	344.3	000.3850	1237.3	085.0	51.0
171.0	000.3000	0040.5	008.6	344.1	000.3850	1237.3	083.8	51.3
172.0	000.3000	0055.3	010.2	343.9	000.3850	1237.3	082.2	51.8
173.0	000.3000	0070.5	011.4	343.6	000.3850	1237.3	081.1	52.1
174.0	000.3000	0084.9	012.4	343.3	000.3850	1234.9	080.1	52.4
175.0	000.3000	0098.9	013.4	343.0	000.3850	1234.9	079.2	52.6
176.0	000.3000	0112.0	014.2	342.7	000.3850	1234.9	078.4	52.9
177.0	000.3000	0124.0	015.0	342.4	000.3850	1231.9	077.8	53.1
178.0	000.3000	0135.1	015.7	342.1	000.3850	1231.9	077.1	53.2
179.0	000.3000	0146.3	016.5	341.7	000.3850	1231.9	076.5	53.4
180.0	000.3000	0157.4	017.2	341.3	000.3850	1228.4	075.9	53.6
181.0	000.3000	0165.7	017.7	341.0	000.3850	1228.4	075.5	53.7
182.0	000.3000	0173.9	018.2	340.7	000.3850	1228.4	075.2	53.8
183.0	000.3000	0181.3	018.5	340.3	000.3850	1224.6	075.0	53.9
184.0	000.3000	0186.5	018.8	340.0	000.3850	1224.6	074.9	53.9
185.0	000.3000	0191.1	019.0	339.7	000.3850	1224.6	074.8	53.9
186.0	000.3000	0194.4	019.1	339.5	000.3850	1220.7	074.9	53.9
187.0	000.3000	0196.3	019.2	339.2	000.3850	1220.7	074.9	53.9
188.0	000.3000	0198.2	019.3	338.9	000.3850	1220.7	075.0	53.8
189.0	000.3000	0199.2	019.4	338.7	000.3850	1220.7	075.1	53.8
190.0	000.3000	0198.5	019.3	338.5	000.3850	1216.3	075.3	53.7
191.0	000.3000	0197.6	019.3	338.3	000.3850	1216.3	075.6	53.6
192.0	000.3000	0197.0	019.3	338.1	000.3850	1216.3	075.8	53.6
193.0	000.3000	0195.3	019.2	337.9	000.3850	1216.3	076.0	53.5
194.0	000.3000	0192.8	019.1	337.8	000.3850	1216.3	076.3	53.4
195.0	000.3000	0191.3	019.0	337.6	000.3850	1216.3	076.6	53.3