Exhibit #15

CONTOUR OVERLAP REQUIREMENTS

WFPB-FM
University of Massachusetts

Allocation Exhibit Index to Studies

*The FMOver table, depicting the relationship between the protected contour of WFPM-FM and the interference contour of WUMB-FM was deemed unnecessary, due to a distance of more than 16 kilometers between the contours.

WFPB
Minor Change

REFERENCE CH# 220A - 91.9 MHz, Pwr= 6 kW, HAAT=76.1 M, COR= 84 M DISPLAY DATES
41 36 50 N. Average Protected F(50-50)= 24.9 km DATA 06-23-05
70 35 56 W. Ave. F(50-10) 40 dBu= 82.4 54 dBu= 38.2 80 dBu= 7.9 100 dBu= 2.5 SEARCH 06-24-05

CH CALL / CITY	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)
220A WFPBFM Falmouth	LIC ZEN MA	0.0 180.0	0.00 BLED19980917KA	41 36 50 70 35 56	6.000 75	78 82.2	24.8 University Of Massachusett	-98.47*< -81.95*<
220A WUMBFM Boston	LIC CN MA	333.7 153.7	79.89 BLED19880722KA	42 15 27 71 01 44	0.660 49	88 40.8	11.6 The University Of Massachu	19.62 3.32
219A AP219 Marshfield	APP VX MA	349.4 169.4	53.91 BNPED20000118ABT	42 05 27 70 43 10	0.550 61	76 18.2	12.4 University Of Massachusett	17.60 14.94
219A AP219 Marshfield	APP DEN MA	351.0 171.0	55.89 BNPED20000118ADQ	42 06 39 70 42 17	0.479 120	130 25.1	16.9 The Talking Information Ce	12.99 12.82
218A WSDH Sandwich	LIC CN MA	40.6 220.6	17.76 BLED19790316AC	41 44 06 70 27 35	0.310 31	67 1.2	7.6 Sandwich Mass. Public Scho	3.23 8.56
221A WOMR^ Provincetown	LIC NCN MA	35.9 215.9	62.03 BLED19960904KA	42 03 54 70 09 31	6.000 104	104 44.5	28.8 Lower Cape Communications,	4.50 13.96
222B WPROFM« Providence	LIC CN RI	286.6 106.6	75.81 BMLH19920605KA	41 48 18 71 28 24	39.000 219	230 6.7	69.9 Citadel Broadcasting Compa	43.16 2.27
220A WBPR Worcester	LIC DC MA	302.8 122.8	133.42 BLED20000901AIH	42 15 15 71 57 36	0.747 129	344 61.5	19.6 University Of Massachusett	46.73 32.20
218A WBIMFM Bridgewater	LIC DCN MA	323.4 143.4	51.83 BLED19820329AJ	41 59 15 70 58 21	0.162 22	45 0.9	6.4 Bridgewater State College	29.80 43.46
217A 990618 Orleans	APP VX MA	69.5 249.5	52.21 BPED19990618MA	41 46 36 70 00 38	0.750 93	112 1.6	16.4 Lower Cape Communications,	31.41 33.87
217A 990618 Orleans	APP VN MA	69.5 249.5	52.21 BPED19990618MA	41 46 36 70 00 38	0.750 93	112 1.6	16.4 Lower Cape Communications,	31.41 33.87
217A AP217 Orleans	APP EX MA	69.1 249.1	52.37 BNPED20000118ABS	41 46 49 70 00 37	1.000 72	90 1.6	15.4 University Of Massachusett	31.64 35.08
217A WSHLFM Easton	LIC DCN MA	321.2 141.2	63.43 BLED19820308AK	42 03 27 71 04 47	0.037 41	64 0.4	5.1 Stonehill College, Inc.	41.47 56.28
217A AP217 Wakefield	APP DCX RI	260.1 80.1	72.94 BNPED19991104AAK	41 29 53 71 27 34	0.140 75	85 0.8	9.8 The Wrni Foundation	46.08 60.63
217A WDOM Providence	LIC CN RI	290.5 110.5	74.29 BLED19801215AE	41 50 39 71 26 14	0.125 51	67 0.8	7.8 Providence College	47.65 63.98
218A 990719 East Greenwich	APP CN RI	274.2 94.2	75.25 BPED19990719MH	41 39 35 71 30 00	0.100 98	101 0.7	10.2 The Educ. Radio/public Of	48.63 62.48
06 1E WEDY-D New Haven	CPM HN CT	261.4 81.4	195.40 BMPEDT20020305AA	41 19 42 72 54 25	0.400 76	130 5.9	26.5 Connecticut Public Broadca	154.0R 41.4M
06-C WCSH Portland	LI D N ME	357.9 177.9	249.50 BLCT19990713KG	43 51 30 70 42 41	91.756 645	763 3.7	129.7 Pacific And Southern Compa	154.0R 95.5M
06Z1C WRGB Schenectady	LI HN NY	293.2 113.2	303.00 BLCT2492	42 38 12 73 59 45	93.300 462	555 5.8	116.0 Freedom Broadcasting Of Ne	154.0R 149.0M
06+1C WLNETV New Bedford	LI CY MA	268.0 88.0	49.31 BLCT19920604KF	41 35 48 71 11 24	100.000 273	308 5.9	101.2 Freedom Broadcasting Of So	154.0R -104.7M

ERP and HAAT are on direct line to and from reference station.
• affixed to TV6 Margin= no direct-line contour overlap.
"*"affixed to 'IN' or 'Out' values = site inside protected contour.
"«" = station meets FCC minimum distance spacing for its class. "<" = contour overlap
^ = Power and antenna height 'Max classed' as per Sec 73.215 protection requirements

HOW TO READ THE FM COMPUTER PRINT-OUT

The computer printout should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. The 60 dBu protected contour is predicted from the Commission's F(50-50) table, while the 40, 54, 80 and 100 dBu contours are interference contours derived from the Commission's F(50-10) table. Contour distances are in kilometers and are predicted using spline interpolation from data points identical to those published in Report No. RS 76-01 by Gary C. Kalagian. Critical contour distances are determined using the Commission's TVFMINT FORTRAN subroutine. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. If signal contour distances are less than 1.6 km the free-space equation is used.

The column listed "* IN *" is the sum of the reference station's 60 dBu protected contour and the data file station's interference contour subtracted from the distance between the stations. (All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90.) Therefore, the column is a measure of incoming interference. Negative distances in this column indicate the presence of interference. Listed antenna heights are the average heights of eight standard radials as found in the Commission's records unless otherwise noted, in which case the specific antenna heights and the DA power, if applicable, along the straight line azimuths between the reference station and the database station are used and visa versa. The column labeled "* OUT *" shows the distance in kilometers of overlap or clearance between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing overlap interference.

Under the "AZIMUTH" column, the first row of numbers indicate the bearings from True North of the data base stations in relationship with the reference station, while the numbers in the second row indicate the reverse bearings from the database station to the reference station.

The columns labeled "INT" and "PRO" hold the distance in kilometers of the appropriate interference contour and the protected contour of a data base station.

For I.F. relationships the "IN" and "OUT" columns change their significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column follows the **available clear space** separation in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended. Canadian and Mexican separation distances, U/D ratios and protected contour values are from the US/Mexican Working Agreement and the US/Canada Working Agreement".

The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. “Z” indicates a 73.215 directional. An “N” indicates it is a 73.215 station that operates omni. The fifth letter will be an E, H or V depending on the type of antenna polarization. The sixth letter will be a "Y" if the antenna uses beam tilt or an “X” if the commission is not sure, otherwise it will be an “N”.

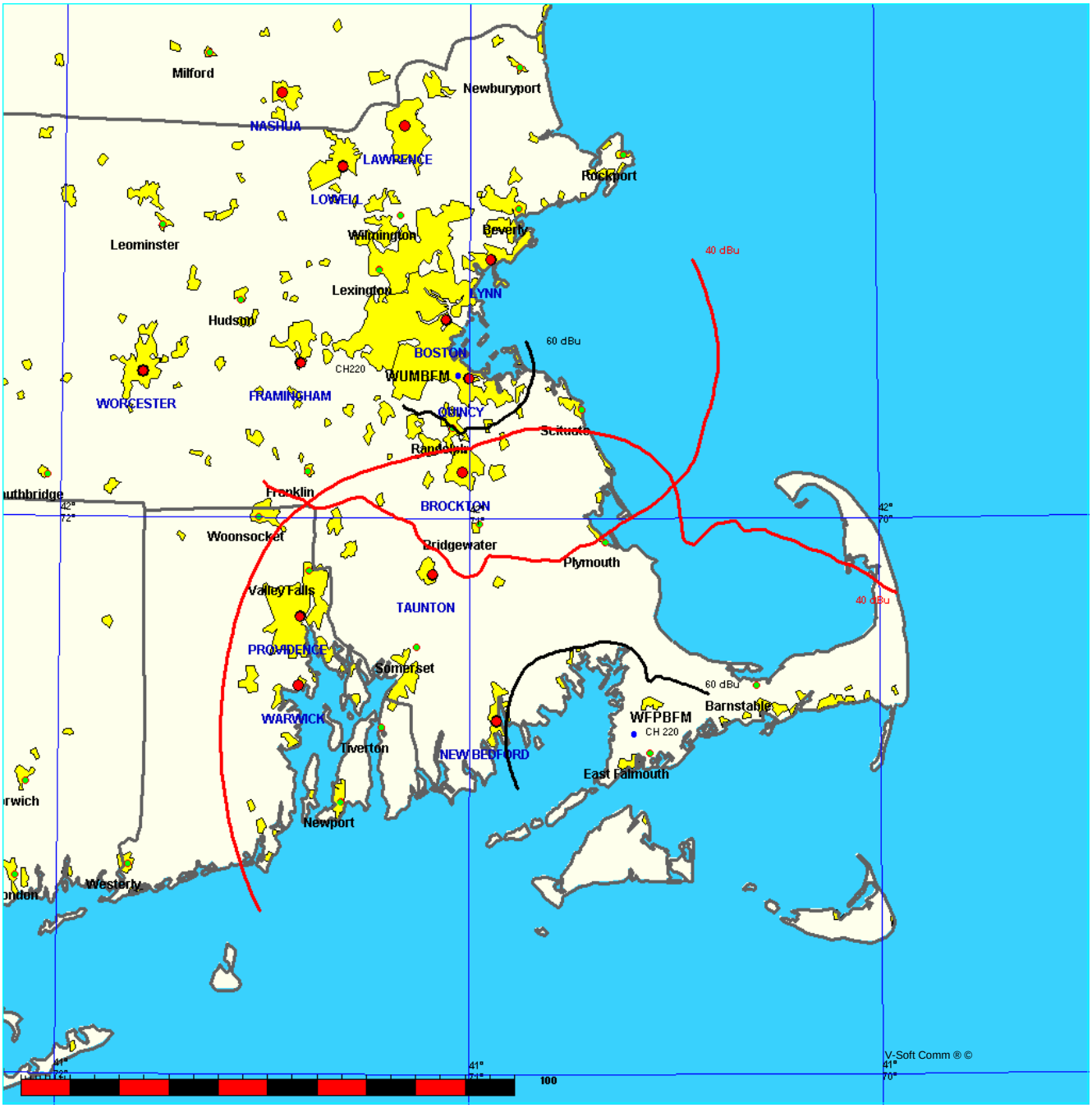
FMCommander Allocation Study
06-24-2005

WFPBFM CH 220 A
6 kW 84 M COR DA
Prot. = 60 dBu
Intef. = 40 dBu

WUMBFM CH 220 A
.66 kW, 88 M COR
Prot. = 60 dBu
Intef. = 40 dBu

BLED19880722KA

Scale = 1:2,000,000



06-24-2005 30 Sec. Terrain Data

WUMBFM BLED19880722KA
Channel = 220A
Max ERP = 0.66 kW
RCAMSL = 88 M
N. Lat = 42 15 27
W. Lng = 71 01 44
Protected
60 dBu

WFPBFM
Channel = 220A
Max ERP = 6 kW
RCAMSL = 84 M
N. Lat = 41 36 50
W. Lng = 70 35 56
Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
093.0	000.6600	0083.5	015.0	343.8	001.6918	0081.6	073.7	37.13
094.0	000.6600	0083.0	014.9	343.7	001.6950	0081.6	073.5	37.20
095.0	000.6600	0082.5	014.9	343.6	001.6984	0081.6	073.2	37.27
096.0	000.6600	0082.1	014.8	343.5	001.7018	0081.9	073.0	37.36
097.0	000.6600	0081.5	014.8	343.4	001.7056	0081.9	072.8	37.42
098.0	000.6600	0080.6	014.7	343.2	001.7102	0081.9	072.6	37.49
099.0	000.6600	0079.8	014.6	343.1	001.7147	0081.9	072.4	37.56
100.0	000.6600	0079.2	014.5	342.9	001.7190	0081.9	072.2	37.62
101.0	000.6600	0078.8	014.5	342.8	001.7229	0081.9	072.0	37.69
102.0	000.6600	0078.7	014.5	342.7	001.7261	0081.9	071.8	37.76
103.0	000.6600	0078.6	014.5	342.6	001.7295	0081.9	071.5	37.83
104.0	000.6600	0078.6	014.5	342.5	001.7329	0081.9	071.3	37.90
105.0	000.6600	0078.7	014.5	342.4	001.7363	0082.1	071.1	37.97
106.0	000.6600	0078.8	014.5	342.3	001.7397	0082.1	070.9	38.04
107.0	000.6600	0078.9	014.5	342.2	001.7432	0082.1	070.7	38.11
108.0	000.6600	0078.9	014.5	342.1	001.7470	0082.1	070.5	38.18
109.0	000.6600	0078.7	014.5	341.9	001.7515	0082.1	070.3	38.24
110.0	000.6600	0078.2	014.5	341.8	001.7564	0082.1	070.1	38.30
111.0	000.6600	0077.6	014.4	341.6	001.7617	0082.1	069.9	38.36
112.0	000.6600	0076.9	014.3	341.5	001.7674	0082.2	069.8	38.42
113.0	000.6600	0076.0	014.3	341.3	001.7733	0082.2	069.7	38.48
114.0	000.6600	0075.0	014.2	341.1	001.7796	0082.2	069.5	38.53
115.0	000.6600	0073.9	014.1	340.9	001.7863	0082.2	069.4	38.57
116.0	000.6600	0072.6	013.9	340.7	001.7932	0082.2	069.4	38.61
117.0	000.6600	0071.3	013.8	340.5	001.8000	0082.3	069.3	38.66
118.0	000.6600	0070.4	013.7	340.3	001.8063	0082.3	069.2	38.70
119.0	000.6600	0069.7	013.7	340.1	001.8123	0082.3	069.1	38.75
120.0	000.6600	0069.0	013.6	339.9	001.8164	0082.3	068.9	38.79
121.0	000.6600	0068.1	013.5	339.7	001.8189	0082.3	068.9	38.82
122.0	000.6600	0067.2	013.5	339.5	001.8215	0082.3	068.8	38.85
123.0	000.6600	0066.2	013.4	339.3	001.8241	0082.3	068.7	38.88
124.0	000.6600	0065.0	013.3	339.1	001.8268	0082.3	068.7	38.90
125.0	000.6600	0063.8	013.2	338.9	001.8296	0082.3	068.6	38.92
126.0	000.6600	0062.6	013.1	338.7	001.8324	0082.3	068.6	38.93

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
127.0	000.6600	0061.5	013.0	338.5	001.8351	0082.3	068.5	38.95
128.0	000.6600	0060.5	012.9	338.3	001.8377	0082.3	068.5	38.96
129.0	000.6600	0059.5	012.8	338.1	001.8403	0082.3	068.5	38.98
130.0	000.6600	0058.6	012.7	337.9	001.8430	0082.3	068.4	38.99
131.0	000.6600	0057.8	012.6	337.7	001.8456	0082.3	068.4	39.01
132.0	000.6600	0057.1	012.5	337.5	001.8481	0082.3	068.4	39.02
133.0	000.6600	0056.6	012.5	337.3	001.8505	0082.1	068.3	39.03
134.0	000.6600	0056.4	012.5	337.1	001.8528	0082.1	068.3	39.05
135.0	000.6600	0056.2	012.5	337.0	001.8552	0082.1	068.2	39.08
136.0	000.6600	0056.0	012.4	336.8	001.8575	0082.1	068.1	39.10
137.0	000.6600	0055.6	012.4	336.6	001.8599	0082.1	068.1	39.12
138.0	000.6600	0055.3	012.4	336.4	001.8623	0081.9	068.1	39.12
139.0	000.6600	0055.2	012.3	336.3	001.8647	0081.9	068.0	39.14
140.0	000.6600	0054.9	012.3	336.1	001.8671	0081.9	068.0	39.15
141.0	000.6600	0054.4	012.3	335.9	001.8696	0081.9	068.0	39.16
142.0	000.6600	0053.5	012.2	335.7	001.8721	0081.9	068.0	39.16
143.0	000.6600	0052.7	012.1	335.5	001.8747	0081.9	068.1	39.15
144.0	000.6600	0052.0	012.0	335.3	001.8772	0081.8	068.1	39.14
145.0	000.6600	0051.5	011.9	335.1	001.8796	0081.8	068.1	39.14
146.0	000.6600	0051.4	011.9	335.0	001.8819	0081.8	068.1	39.16
147.0	000.6600	0051.6	011.9	334.8	001.8842	0081.8	068.0	39.17
148.0	000.6600	0051.9	012.0	334.6	001.8865	0081.8	068.0	39.20
149.0	000.6600	0052.2	012.0	334.5	001.8888	0082.1	067.9	39.24
150.0	000.6600	0052.3	012.0	334.3	001.8912	0082.1	067.9	39.25
151.0	000.6600	0052.1	012.0	334.1	001.8936	0082.1	067.9	39.25
152.0	000.6600	0051.5	011.9	333.9	001.8960	0082.1	068.0	39.24
153.0	000.6600	0050.5	011.8	333.8	001.8983	0082.1	068.1	39.22
154.0	000.6600	0049.5	011.7	333.6	001.9006	0082.1	068.2	39.19
155.0	000.6600	0048.7	011.6	333.4	001.9029	0082.6	068.3	39.19
156.0	000.6600	0048.1	011.5	333.3	001.9051	0082.6	068.4	39.17
157.0	000.6600	0047.6	011.5	333.1	001.9073	0082.6	068.5	39.16
158.0	000.6600	0046.9	011.4	332.9	001.9095	0082.6	068.6	39.13
159.0	000.6600	0046.0	011.3	332.8	001.9116	0082.6	068.7	39.10
160.0	000.6600	0045.1	011.2	332.6	001.9136	0082.6	068.8	39.06
161.0	000.6600	0044.3	011.1	332.5	001.9156	0082.8	069.0	39.05
162.0	000.6600	0043.7	011.0	332.3	001.9176	0082.8	069.1	39.02
163.0	000.6600	0043.0	010.9	332.2	001.9195	0082.8	069.2	38.99
164.0	000.6600	0042.3	010.8	332.1	001.9213	0082.8	069.3	38.96
165.0	000.6600	0042.1	010.8	331.9	001.9233	0082.8	069.4	38.95
166.0	000.6600	0041.8	010.7	331.8	001.9252	0082.8	069.5	38.93
167.0	000.6600	0041.3	010.7	331.6	001.9270	0082.8	069.6	38.90
168.0	000.6600	0041.0	010.6	331.5	001.9289	0082.8	069.7	38.88
169.0	000.6600	0040.7	010.6	331.4	001.9307	0082.8	069.8	38.86
170.0	000.6600	0040.3	010.5	331.2	001.9325	0082.8	069.9	38.83
171.0	000.6600	0040.7	010.6	331.1	001.9346	0082.8	069.9	38.84
172.0	000.6600	0042.8	010.9	330.9	001.9376	0082.8	069.7	38.89
173.0	000.6600	0045.1	011.2	330.6	001.9409	0082.8	069.5	38.96
174.0	000.6600	0046.4	011.3	330.4	001.9436	0082.9	069.4	38.99
175.0	000.6600	0047.2	011.4	330.2	001.9461	0082.9	069.4	39.00
176.0	000.6600	0047.7	011.5	330.1	001.9484	0082.9	069.4	38.99
177.0	000.6600	0048.0	011.5	329.9	001.9562	0082.9	069.5	38.99

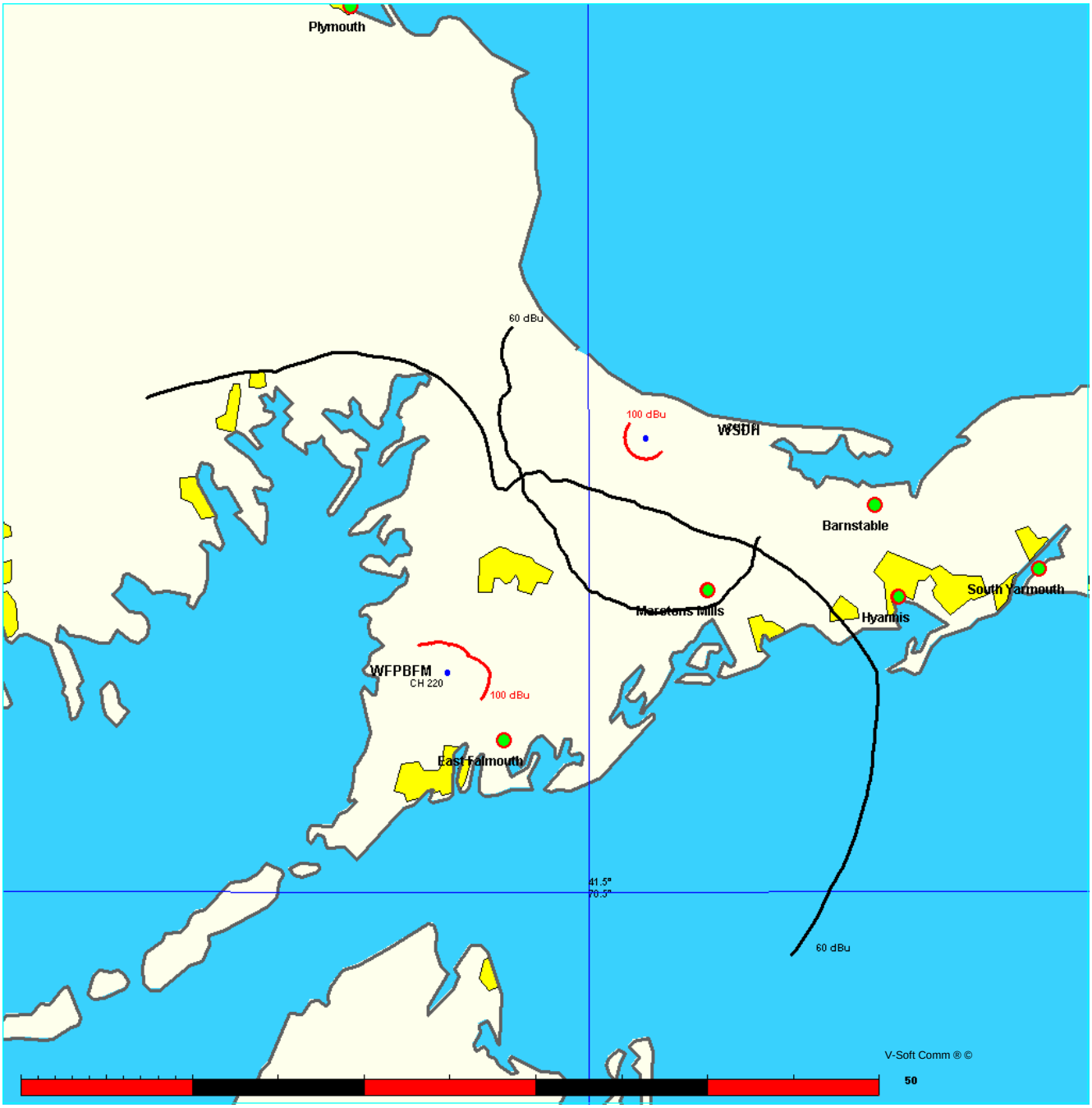
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
178.0	000.6600	0047.9	011.5	329.8	001.9667	0082.9	069.6	38.99
179.0	000.6600	0047.3	011.4	329.7	001.9756	0082.9	069.8	38.96
180.0	000.6600	0046.5	011.3	329.6	001.9828	0082.9	070.0	38.93
181.0	000.6600	0045.6	011.2	329.5	001.9895	0083.1	070.1	38.90
182.0	000.6600	0044.2	011.0	329.4	001.9937	0083.1	070.4	38.84
183.0	000.6600	0042.1	010.8	329.4	001.9943	0083.1	070.7	38.74
184.0	000.6600	0040.6	010.6	329.4	001.9967	0083.1	071.0	38.67
185.0	000.6600	0039.2	010.4	329.3	001.9993	0083.1	071.3	38.61
186.0	000.6600	0038.3	010.3	329.3	002.0037	0083.1	071.5	38.56
187.0	000.6600	0037.7	010.2	329.2	002.0093	0083.1	071.6	38.53
188.0	000.6600	0037.4	010.1	329.1	002.0161	0083.1	071.8	38.50
189.0	000.6600	0037.1	010.1	329.0	002.0228	0083.1	071.9	38.48
190.0	000.6600	0036.8	010.1	328.9	002.0295	0083.1	072.1	38.45
191.0	000.6600	0036.4	010.0	328.9	002.0350	0083.1	072.2	38.42
192.0	000.6600	0035.7	009.9	328.8	002.0391	0083.1	072.4	38.38
193.0	000.6600	0035.1	009.8	328.8	002.0429	0083.1	072.6	38.33
194.0	000.6600	0034.3	009.7	328.7	002.0456	0083.1	072.8	38.29
195.0	000.6600	0033.2	009.6	328.7	002.0462	0083.1	073.0	38.22
196.0	000.6600	0031.8	009.4	328.7	002.0447	0083.1	073.2	38.15
197.0	000.6600	0030.3	009.2	328.8	002.0421	0083.1	073.5	38.08
198.0	000.6600	0028.6	009.1	328.7	002.0465	0083.1	073.7	38.05
199.0	000.6600	0026.7	009.1	328.6	002.0525	0083.1	073.8	38.02
200.0	000.6600	0025.0	009.1	328.6	002.0585	0083.1	073.9	38.00
201.0	000.6600	0024.3	009.1	328.5	002.0643	0083.4	074.0	38.00
202.0	000.6600	0024.5	009.1	328.4	002.0699	0083.4	074.2	37.97
203.0	000.6600	0025.2	009.1	328.4	002.0755	0083.4	074.3	37.95
204.0	000.6600	0026.1	009.1	328.3	002.0808	0083.4	074.4	37.92
205.0	000.6600	0027.0	009.1	328.2	002.0860	0083.4	074.5	37.90
206.0	000.6600	0027.6	009.1	328.2	002.0911	0083.4	074.7	37.87
207.0	000.6600	0028.1	009.1	328.1	002.0960	0083.4	074.8	37.84
208.0	000.6600	0028.4	009.1	328.0	002.1007	0083.4	075.0	37.82
209.0	000.6600	0028.5	009.1	328.0	002.1053	0083.4	075.1	37.79
210.0	000.6600	0028.4	009.1	327.9	002.1098	0083.4	075.2	37.76
211.0	000.6600	0028.1	009.1	327.9	002.1140	0083.4	075.4	37.73
212.0	000.6600	0028.0	009.1	327.8	002.1181	0083.4	075.5	37.70
213.0	000.6600	0028.2	009.1	327.8	002.1221	0083.4	075.7	37.67

FMCommander Allocation Study
06-24-2005

WFPBFM CH 220 A
6 kW 84 M COR DA
Prot. = 60 dBu
Intef. = 100 dBu

WSDH CH 218 A BLED19790316AC
.31 kW, 67 M COR
Prot. = 60 dBu
Intef. = 100 dBu

Scale = 1:575,000



WFPBFM
Channel = 220A
Max ERP = 6 kW
RCAMSL = 84 M
N. Lat = 41 36 50
W. Lng = 70 35 56
Protected
60 dBu

WSDH BLED19790316AC
Channel = 218A
Max ERP = 0.31 kW
RCAMSL = 67 M
N. Lat = 41 44 06
W. Lng = 70 27 35
Interfering
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
341.0	001.7822	0082.2	019.4	285.4	000.3100	0040.2	018.5	47.42
342.0	001.7496	0082.1	019.3	285.7	000.3100	0039.6	018.2	47.56
343.0	001.7174	0081.9	019.2	286.0	000.3100	0039.6	017.9	47.85
344.0	001.6854	0081.6	019.1	286.3	000.3100	0039.6	017.5	48.15
345.0	001.6537	0081.1	018.9	286.4	000.3100	0039.6	017.2	48.46
346.0	001.6224	0080.5	018.7	286.5	000.3100	0039.6	016.8	48.77
347.0	001.5913	0080.0	018.6	286.6	000.3100	0038.8	016.4	48.89
348.0	001.5606	0080.1	018.5	286.9	000.3100	0038.8	016.1	49.17
349.0	001.5301	0080.0	018.4	287.1	000.3100	0038.8	015.8	49.45
350.0	001.5000	0079.7	018.3	287.2	000.3100	0038.8	015.4	49.75
351.0	001.4880	0079.2	018.2	287.4	000.3100	0038.8	015.1	50.05
352.0	001.4761	0078.6	018.0	287.5	000.3100	0038.2	014.8	50.14
353.0	001.4642	0077.6	017.9	287.5	000.3100	0038.8	014.4	50.70
354.0	001.4524	0076.4	017.7	287.3	000.3100	0038.8	014.1	51.14
355.0	001.4406	0075.3	017.5	287.1	000.3100	0038.8	013.7	51.60
356.0	001.4289	0074.2	017.3	286.8	000.3100	0038.8	013.4	52.06
357.0	001.4172	0073.1	017.2	286.6	000.3100	0038.8	013.0	52.53
358.0	001.4055	0071.9	017.0	286.2	000.3100	0039.6	012.7	53.20
359.0	001.3939	0070.7	016.8	285.8	000.3100	0039.6	012.3	53.70
000.0	001.3824	0068.9	016.5	284.9	000.3100	0040.2	012.0	54.37
001.0	001.3824	0066.9	016.2	284.0	000.3100	0040.3	011.6	54.92
002.0	001.3824	0064.9	016.0	283.0	000.3100	0040.3	011.3	55.44
003.0	001.3824	0062.8	015.7	281.9	000.3100	0040.2	011.0	55.94
004.0	001.3824	0060.4	015.4	280.5	000.3100	0040.2	010.7	56.45
005.0	001.3824	0057.8	015.1	278.9	000.3100	0040.3	010.4	56.96
006.0	001.3824	0055.2	014.7	277.0	000.3100	0039.5	010.1	57.26
007.0	001.3824	0053.3	014.5	275.4	000.3100	0039.0	009.9	57.59
008.0	001.3824	0050.9	014.1	273.4	000.3100	0038.3	009.6	57.84
009.0	001.3824	0048.2	013.7	270.8	000.3100	0037.3	009.4	57.96
010.0	001.3824	0044.9	013.3	267.6	000.3100	0036.0	009.3	57.92
011.0	001.3824	0041.5	012.8	264.2	000.3100	0035.8	009.2	58.03
012.0	001.3824	0038.1	012.2	260.6	000.3100	0033.9	009.2	57.64
013.0	001.3824	0034.5	011.7	256.9	000.3100	0031.3	009.2	56.96
014.0	001.3824	0031.2	011.2	253.6	000.3100	0031.0	009.3	56.77
015.0	001.3824	0029.3	011.0	252.0	000.3100	0030.9	009.2	56.86
016.0	001.3824	0028.7	011.0	251.3	000.3100	0030.9	009.0	57.16
017.0	001.3824	0029.0	011.0	250.6	000.3100	0030.9	008.9	57.45

FMOver Analysis

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
018.0	001.3824	0030.0	011.0	249.8	000.3100	0031.2	008.7	57.81
019.0	001.3824	0032.0	011.3	250.6	000.3100	0030.9	008.4	58.37
020.0	001.3824	0034.5	011.7	251.9	000.3100	0030.9	008.0	59.13
021.0	001.3824	0036.9	012.0	253.0	000.3100	0030.9	007.6	59.97
022.0	001.3824	0038.5	012.3	253.5	000.3100	0031.0	007.3	60.72
023.0	001.3824	0039.4	012.4	253.3	000.3100	0030.9	007.0	61.32
024.0	001.3824	0040.3	012.6	253.0	000.3100	0030.9	006.8	61.97
025.0	001.3824	0041.3	012.7	252.7	000.3100	0030.9	006.5	62.66
026.0	001.3824	0041.6	012.8	251.7	000.3100	0030.9	006.3	63.17
027.0	001.3824	0041.0	012.7	249.6	000.3100	0031.2	006.2	63.50
028.0	001.3824	0040.4	012.6	247.5	000.3100	0032.6	006.1	64.04
029.0	001.3824	0040.3	012.6	245.8	000.3100	0032.7	006.0	64.42
030.0	001.3824	0040.9	012.7	244.6	000.3100	0032.6	005.8	65.02
031.0	001.3824	0042.0	012.8	243.7	000.3100	0032.5	005.5	65.80
032.0	001.3824	0043.2	013.0	242.6	000.3100	0032.3	005.3	66.59
033.0	001.3824	0043.8	013.1	240.9	000.3100	0031.2	005.1	66.97
034.0	001.3824	0044.1	013.1	238.8	000.3100	0029.6	004.9	67.11
035.0	001.3824	0044.4	013.2	236.5	000.3100	0027.1	004.8	67.52
036.0	001.3824	0044.7	013.2	234.1	000.3100	0026.2	004.7	67.96
037.0	001.3824	0045.2	013.3	231.6	000.3100	0026.6	004.6	68.44
038.0	001.3824	0045.8	013.4	228.9	000.3100	0027.6	004.4	68.97
039.0	001.3824	0046.5	013.5	226.1	000.3100	0029.3	004.3	69.52
040.0	001.3824	0047.2	013.6	223.0	000.3100	0031.9	004.1	70.55
041.0	001.3824	0047.7	013.7	219.7	000.3100	0033.9	004.1	71.40
042.0	001.3824	0048.1	013.7	216.3	000.3100	0035.9	004.0	72.10
043.0	001.3824	0048.6	013.8	212.8	000.3100	0037.5	004.0	72.62
044.0	001.3824	0049.4	013.9	209.0	000.3100	0041.1	003.9	73.77
045.0	001.3824	0050.5	014.1	204.8	000.3100	0042.6	003.8	74.52
046.0	001.3824	0051.9	014.3	200.2	000.3100	0046.6	003.8	75.78
047.0	001.3824	0053.1	014.5	195.6	000.3100	0046.8	003.7	75.99
048.0	001.3824	0054.1	014.6	191.2	000.3100	0047.8	003.8	76.07
049.0	001.3824	0054.7	014.7	187.4	000.3100	0049.5	003.9	75.94
050.0	001.3824	0055.2	014.7	184.1	000.3100	0050.7	004.0	75.59
051.0	001.4172	0055.9	014.9	179.7	000.3100	0051.6	004.1	75.45
052.0	001.4524	0056.8	015.2	175.1	000.3100	0052.9	004.1	75.32
053.0	001.4880	0057.6	015.4	170.7	000.3100	0052.6	004.3	74.77
054.0	001.5241	0058.3	015.6	166.8	000.3100	0053.2	004.4	74.23
055.0	001.5606	0058.8	015.7	163.6	000.3100	0054.0	004.6	73.64
056.0	001.5975	0059.1	015.9	161.1	000.3100	0055.8	004.8	73.12
057.0	001.6349	0059.2	016.0	158.9	000.3100	0056.1	005.1	72.34
058.0	001.6727	0059.5	016.1	156.7	000.3100	0056.4	005.3	71.53
059.0	001.7109	0059.9	016.3	154.7	000.3100	0055.7	005.6	70.54
060.0	001.7496	0060.3	016.5	153.0	000.3100	0053.9	005.9	69.35
061.0	001.8282	0060.6	016.7	150.6	000.3100	0052.5	006.2	68.24
062.0	001.9086	0061.1	017.0	148.2	000.3100	0051.5	006.5	67.19
063.0	001.9907	0062.0	017.3	145.7	000.3100	0050.6	006.8	66.15
064.0	002.0745	0063.4	017.7	143.0	000.3100	0050.0	007.1	65.13
065.0	002.1600	0065.0	018.1	140.3	000.3100	0048.0	007.5	63.84
066.0	002.2473	0066.7	018.5	138.1	000.3100	0045.9	008.0	62.57
067.0	002.3363	0068.0	018.9	136.4	000.3100	0043.7	008.4	61.30
068.0	002.4270	0068.9	019.2	135.4	000.3100	0042.7	008.8	60.30

FMOver Analysis

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
069.0	002.5194	0069.5	019.4	134.7	000.3100	0042.7	009.2	59.54
070.0	002.6136	0069.9	019.7	134.3	000.3100	0041.9	009.6	58.62
071.0	002.7500	0070.4	020.0	133.5	000.3100	0041.3	010.1	57.69
072.0	002.8898	0070.9	020.3	132.9	000.3100	0041.3	010.6	56.90
073.0	003.0331	0071.3	020.6	132.5	000.3100	0040.9	011.0	56.05
074.0	003.1799	0071.6	020.9	132.2	000.3100	0040.9	011.5	55.32
075.0	003.3302	0071.9	021.2	132.1	000.3100	0040.9	011.9	54.61
076.0	003.4839	0072.2	021.4	132.0	000.3100	0040.9	012.4	53.91
077.0	003.6410	0072.5	021.7	131.9	000.3100	0040.9	012.8	53.24
078.0	003.8017	0072.8	022.0	131.9	000.3100	0040.9	013.3	52.59
079.0	003.9658	0073.1	022.2	132.0	000.3100	0040.9	013.8	51.97
080.0	004.1334	0073.3	022.5	132.2	000.3100	0040.9	014.2	51.40
081.0	004.3045	0073.4	022.7	132.5	000.3100	0040.9	014.7	50.85
082.0	004.4790	0073.6	022.9	132.7	000.3100	0041.3	015.1	50.59
083.0	004.6570	0073.9	023.2	133.0	000.3100	0041.3	015.6	50.18
084.0	004.8384	0074.2	023.4	133.2	000.3100	0041.3	016.1	49.77
085.0	005.0233	0074.7	023.7	133.5	000.3100	0041.3	016.6	49.35
086.0	005.2117	0075.2	024.0	133.7	000.3100	0041.9	017.1	49.06
087.0	005.4036	0075.6	024.2	134.0	000.3100	0041.9	017.5	48.65
088.0	005.5989	0076.1	024.5	134.3	000.3100	0041.9	018.0	48.23
089.0	005.7977	0076.5	024.8	134.7	000.3100	0042.7	018.5	48.00
090.0	006.0000	0076.8	025.0	135.2	000.3100	0042.7	019.0	47.61
091.0	006.0000	0077.0	025.0	136.0	000.3100	0043.7	019.3	47.55
092.0	006.0000	0077.2	025.1	136.8	000.3100	0044.8	019.7	47.51
093.0	006.0000	0077.4	025.1	137.7	000.3100	0045.9	020.0	47.47
094.0	006.0000	0077.5	025.1	138.6	000.3100	0047.0	020.3	47.43
095.0	006.0000	0077.6	025.1	139.4	000.3100	0047.0	020.6	47.17
096.0	006.0000	0077.7	025.1	140.2	000.3100	0048.0	020.9	47.11
097.0	006.0000	0077.7	025.1	141.1	000.3100	0048.8	021.2	47.02
098.0	006.0000	0077.8	025.2	141.9	000.3100	0049.5	021.6	46.89
099.0	006.0000	0078.0	025.2	142.7	000.3100	0050.0	021.9	46.74
100.0	006.0000	0078.2	025.2	143.5	000.3100	0050.0	022.2	46.48
101.0	006.0000	0078.5	025.2	144.2	000.3100	0050.2	022.5	46.27

06-24-2005 30 Sec. Terrain Data

WSDH BLED19790316AC
Channel = 218A
Max ERP = 0.31 kW
RCAMSL = 67 M
N. Lat = 41 44 06
W. Lng = 70 27 35
Protected
  60 dBu

WFPBFM
Channel = 220A
Max ERP = 6 kW
RCAMSL = 84 M
N. Lat = 41 36 50
W. Lng = 70 35 56
Interfering
  100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
161.0	000.3100	0055.8	010.4	076.2	003.5116	0072.2	015.4	65.79
162.0	000.3100	0055.4	010.3	076.1	003.4990	0072.2	015.2	65.94
163.0	000.3100	0054.7	010.3	075.9	003.4711	0072.2	015.0	66.06
164.0	000.3100	0054.0	010.2	075.7	003.4360	0072.2	014.9	66.00
165.0	000.3100	0053.5	010.1	075.5	003.4065	0071.9	014.7	66.14
166.0	000.3100	0053.3	010.1	075.4	003.3926	0071.9	014.5	66.33
167.0	000.3100	0053.2	010.1	075.4	003.3865	0071.9	014.3	66.53
168.0	000.3100	0053.0	010.1	075.3	003.3740	0071.9	014.2	66.73
169.0	000.3100	0052.9	010.1	075.2	003.3600	0071.9	014.0	66.94
170.0	000.3100	0052.7	010.1	075.1	003.3411	0071.9	013.8	67.14
171.0	000.3100	0052.6	010.1	074.9	003.3194	0071.9	013.6	67.33
172.0	000.3100	0052.3	010.0	074.7	003.2881	0071.9	013.5	67.52
173.0	000.3100	0052.1	010.0	074.5	003.2617	0071.9	013.3	67.72
174.0	000.3100	0052.4	010.0	074.6	003.2624	0071.9	013.1	67.96
175.0	000.3100	0052.9	010.1	074.6	003.2743	0071.9	012.9	68.23
176.0	000.3100	0053.3	010.1	074.7	003.2816	0071.9	012.8	68.50
177.0	000.3100	0053.0	010.1	074.4	003.2396	0071.6	012.6	68.67
178.0	000.3100	0052.6	010.1	074.0	003.1817	0071.6	012.4	68.82
179.0	000.3100	0052.0	010.0	073.5	003.1132	0071.6	012.3	68.96
180.0	000.3100	0051.6	010.0	073.1	003.0524	0071.3	012.1	69.08
181.0	000.3100	0051.2	009.9	072.7	002.9898	0071.3	012.0	69.22
182.0	000.3100	0050.8	009.9	072.2	002.9235	0070.9	011.8	69.31
183.0	000.3100	0050.6	009.9	071.8	002.8676	0070.9	011.7	69.47
184.0	000.3100	0050.7	009.9	071.6	002.8282	0070.9	011.5	69.66
185.0	000.3100	0050.6	009.9	071.2	002.7758	0070.4	011.3	69.77
186.0	000.3100	0050.0	009.8	070.5	002.6876	0070.4	011.2	69.84
187.0	000.3100	0049.5	009.7	069.9	002.6035	0069.9	011.1	69.85
188.0	000.3100	0048.9	009.7	069.2	002.5405	0069.5	011.0	69.90
189.0	000.3100	0048.6	009.6	068.6	002.4854	0069.5	010.8	70.02
190.0	000.3100	0048.2	009.6	067.9	002.4222	0068.9	010.7	70.04
191.0	000.3100	0047.8	009.6	067.3	002.3611	0068.0	010.6	70.03
192.0	000.3100	0047.6	009.5	066.6	002.3031	0068.0	010.5	70.12
193.0	000.3100	0047.5	009.5	066.1	002.2543	0066.7	010.3	70.11
194.0	000.3100	0047.6	009.5	065.5	002.2061	0066.7	010.2	70.24

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
195.0	000.3100	0047.4	009.5	064.9	002.1480	0065.0	010.1	70.13
196.0	000.3100	0046.8	009.4	064.0	002.0714	0063.4	010.0	69.91
197.0	000.3100	0046.3	009.4	063.1	001.9956	0062.0	009.9	69.72
198.0	000.3100	0046.1	009.4	062.3	001.9353	0061.1	009.8	69.66
199.0	000.3100	0046.4	009.4	061.8	001.8893	0061.1	009.7	69.79
200.0	000.3100	0046.6	009.4	061.1	001.8377	0060.6	009.6	69.83
201.0	000.3100	0046.3	009.4	060.2	001.7669	0060.3	009.5	69.76
202.0	000.3100	0045.4	009.3	059.0	001.7129	0059.9	009.5	69.62
203.0	000.3100	0044.2	009.1	057.8	001.6638	0059.5	009.5	69.41
204.0	000.3100	0043.2	009.0	056.6	001.6193	0059.2	009.5	69.24
205.0	000.3100	0042.6	009.0	055.6	001.5810	0059.1	009.5	69.15
206.0	000.3100	0042.2	008.9	054.6	001.5459	0058.8	009.4	69.09
207.0	000.3100	0041.8	008.9	053.6	001.5109	0058.3	009.4	68.99
208.0	000.3100	0041.5	008.8	052.7	001.4763	0057.6	009.4	68.84
209.0	000.3100	0041.1	008.8	051.7	001.4420	0056.8	009.3	68.65
210.0	000.3100	0040.7	008.7	050.7	001.4068	0055.9	009.3	68.41
211.0	000.3100	0039.9	008.6	049.6	001.3824	0055.2	009.4	68.16
212.0	000.3100	0038.7	008.5	048.5	001.3824	0054.1	009.4	67.83
213.0	000.3100	0037.5	008.4	047.4	001.3824	0053.1	009.6	67.48
214.0	000.3100	0036.6	008.2	046.4	001.3824	0051.9	009.6	67.13
215.0	000.3100	0036.1	008.2	045.5	001.3824	0051.9	009.6	67.09
216.0	000.3100	0035.9	008.2	044.6	001.3824	0050.5	009.6	66.84
217.0	000.3100	0035.7	008.1	043.8	001.3824	0049.4	009.7	66.61
218.0	000.3100	0035.3	008.1	042.9	001.3824	0048.6	009.7	66.39
219.0	000.3100	0034.6	008.0	042.1	001.3824	0048.1	009.8	66.18
220.0	000.3100	0033.9	007.9	041.2	001.3824	0047.7	009.8	65.97
221.0	000.3100	0033.1	007.8	040.4	001.3824	0047.2	009.9	65.72
222.0	000.3100	0032.5	007.8	039.7	001.3824	0047.2	010.0	65.59
223.0	000.3100	0031.9	007.7	038.9	001.3824	0046.5	010.1	65.33
224.0	000.3100	0031.3	007.6	038.2	001.3824	0045.8	010.2	65.04
225.0	000.3100	0030.3	007.5	037.5	001.3824	0045.8	010.3	64.83
226.0	000.3100	0029.3	007.5	036.8	001.3824	0045.2	010.3	64.61
227.0	000.3100	0028.5	007.5	036.1	001.3824	0044.7	010.4	64.47
228.0	000.3100	0028.0	007.5	035.4	001.3824	0044.4	010.4	64.35
229.0	000.3100	0027.6	007.5	034.7	001.3824	0044.4	010.4	64.30
230.0	000.3100	0027.2	007.5	034.0	001.3824	0044.1	010.4	64.19
231.0	000.3100	0026.9	007.5	033.3	001.3824	0043.8	010.5	64.07
232.0	000.3100	0026.6	007.5	032.7	001.3824	0043.8	010.5	64.00
233.0	000.3100	0026.3	007.5	032.0	001.3824	0043.2	010.6	63.78
234.0	000.3100	0026.2	007.5	031.3	001.3824	0042.0	010.6	63.45
235.0	000.3100	0026.5	007.5	030.7	001.3824	0042.0	010.7	63.36
236.0	000.3100	0027.1	007.5	030.1	001.3824	0040.9	010.7	63.03
237.0	000.3100	0027.9	007.5	029.4	001.3824	0040.3	010.8	62.80
238.0	000.3100	0028.8	007.5	028.8	001.3824	0040.3	010.8	62.69
239.0	000.3100	0029.6	007.5	028.2	001.3824	0040.4	010.9	62.61
240.0	000.3100	0030.4	007.5	027.5	001.3824	0040.4	010.9	62.56
241.0	000.3100	0031.2	007.6	026.7	001.3824	0041.0	010.9	62.70
242.0	000.3100	0031.8	007.7	025.9	001.3824	0041.6	011.0	62.80
243.0	000.3100	0032.3	007.7	025.2	001.3824	0041.3	011.0	62.66
244.0	000.3100	0032.5	007.8	024.6	001.3824	0041.3	011.1	62.55
245.0	000.3100	0032.6	007.8	024.0	001.3824	0040.3	011.1	62.21

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
246.0	000.3100	0032.7	007.8	023.5	001.3824	0039.4	011.2	61.86
247.0	000.3100	0032.6	007.8	023.0	001.3824	0039.4	011.3	61.69
248.0	000.3100	0032.3	007.7	022.6	001.3824	0039.4	011.4	61.51
249.0	000.3100	0031.7	007.7	022.4	001.3824	0038.5	011.6	61.08
250.0	000.3100	0031.2	007.6	022.2	001.3824	0038.5	011.7	60.86
251.0	000.3100	0030.9	007.6	021.9	001.3824	0038.5	011.8	60.67
252.0	000.3100	0030.9	007.6	021.5	001.3824	0036.9	011.9	60.15
253.0	000.3100	0030.9	007.6	021.0	001.3824	0036.9	012.0	60.00
254.0	000.3100	0031.0	007.6	020.6	001.3824	0036.9	012.1	59.85
255.0	000.3100	0031.0	007.6	020.2	001.3824	0034.5	012.2	59.12
256.0	000.3100	0031.1	007.6	019.9	001.3824	0034.5	012.4	58.96
257.0	000.3100	0031.3	007.6	019.4	001.3824	0032.0	012.4	58.21
258.0	000.3100	0031.7	007.7	018.9	001.3824	0032.0	012.5	58.08
259.0	000.3100	0032.2	007.7	018.4	001.3824	0030.0	012.6	57.47
260.0	000.3100	0032.9	007.8	017.8	001.3824	0030.0	012.7	57.35
261.0	000.3100	0033.9	007.9	017.1	001.3824	0029.0	012.8	57.25
262.0	000.3100	0034.9	008.0	016.4	001.3824	0028.7	012.9	57.14
263.0	000.3100	0035.5	008.1	015.8	001.3824	0028.7	013.0	57.00
264.0	000.3100	0035.8	008.1	015.4	001.3824	0029.3	013.1	56.83
265.0	000.3100	0035.9	008.2	015.1	001.3824	0029.3	013.2	56.66
266.0	000.3100	0035.9	008.2	014.9	001.3824	0029.3	013.3	56.48
267.0	000.3100	0035.9	008.2	014.7	001.3824	0029.3	013.5	56.30
268.0	000.3100	0036.0	008.2	014.5	001.3824	0031.2	013.6	56.40
269.0	000.3100	0036.2	008.2	014.2	001.3824	0031.2	013.7	56.23
270.0	000.3100	0036.8	008.3	013.8	001.3824	0031.2	013.9	56.08
271.0	000.3100	0037.3	008.3	013.4	001.3824	0034.5	014.0	56.71
272.0	000.3100	0037.8	008.4	013.0	001.3824	0034.5	014.1	56.55
273.0	000.3100	0038.3	008.5	012.7	001.3824	0034.5	014.2	56.38
274.0	000.3100	0038.6	008.5	012.5	001.3824	0038.1	014.4	57.06
275.0	000.3100	0039.0	008.5	012.2	001.3824	0038.1	014.5	56.89
276.0	000.3100	0039.3	008.6	012.0	001.3824	0038.1	014.7	56.72
277.0	000.3100	0039.5	008.6	011.9	001.3824	0038.1	014.8	56.55
278.0	000.3100	0039.8	008.6	011.6	001.3824	0038.1	015.0	56.38
279.0	000.3100	0040.3	008.7	011.4	001.3824	0041.5	015.1	57.16
280.0	000.3100	0040.2	008.7	011.4	001.3824	0041.5	015.3	57.03
281.0	000.3100	0040.2	008.7	011.4	001.3824	0041.5	015.4	56.89