

<div> <div>Uni versi ty Of Wyomi ng</div> <div>KUWY - Drop to 15 meters AGL</div> <div>CH# 203A - 88.5 MHz, Pwr= 0.134 kW, HAAT= 298.0 M, COR= 2703 M</div> <div>Average Protected F(50-50)= 19.33 km</div> <div>DI SPLAY DATES</div> <div>DATA 01-18-08</div> <div>SEARCH 01-18-08</div> </div>											
CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DI ST FI LE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LI CENSEE	*IN* (Overl ap i n km)	*OUT*
203A Laramie	KUWY	CP	_CX WY	0.0 0.0	0.00 BPED19980826MA	41 18 36.0 105 27 17.0	0.130 307	50.9 2711	15.6 Uni versi ty Of Wyomi ng	-66.37*<	-65.96*<**
204A South Greeley	KEZF	APP	_CX WY	122.8 303.1	42.91 BPED20070514AFO	41 06 02.0 105 01 29.1	0.500 129	19.2 2153	12.9 Cedar Cove Broadcasti ng, I	6.14	3.76
205A Laramie	KAIW	CP	_CX WY	267.7 87.4	36.63 BPED20060810AJR	41 17 46.0 105 53 30.0	1.150 197	2.1 2459	29.8 Educati onal Medi a Foundati	10.53	6.05
205A Laramie	KAIW	LI C	_CX WY	267.7 87.4	36.63 BLED20060310AEI	41 17 46.0 105 53 30.0	0.400 197	1.4 2459	23.3 Educati onal Medi a Foundati	11.25	12.51
204A Red Feather Lakes	AP5901	APP	DCX CO	197.8 17.7	51.58 BNPED20071022ATH	40 52 04.0 105 38 33.0	0.026 260	7.4 2927	4.7 Wren Communi cations, Inc.	27.16	21.46
202A Fort Collins	KLHV	LI C	_VX CO	172.1 352.2	77.64 BLED20060117AFJ	40 37 03.0 105 19 40.0	0.150 364	36.4 2552	23.6 Educati onal Medi a Foundati	30.40	38.61
201C2 Cheyenne	KAI X	CP	_VX WY	104.6 285.1	65.13 BPED20070327AEO	41 09 37.0 104 42 13.0	47.000 64	2.6 1890	26.1 Educati onal Medi a Foundati	43.73	38.17
205A Eaton	KEZF	LI C	_CX CO	108.8 289.2	58.79 BLED20040204ACB	41 08 17.0 104 47 30.0	0.640 -1	1.6 1871	9.1 Cedar Cove Broadcasti ng, I	38.59	48.90
201A Cheyenne	KAI X	LI C	_CX WY	104.6 285.1	65.13 BLED20060221ABY	41 09 37.0 104 42 13.0	1.000 64	1.6 1890	10.2 Educati onal Medi a Foundati	44.76	54.16
06-2E Denver	KRMATV	LI	_HY CO	174.3 354.4	176.27 BLET19950504KE 7	39 43 49.0 105 15 00.0	100.000 292		105.2 Rocky Mountai n Publ ic Broa	121.0R	55.3M
06-2E Denver	KRMATV	CP	DCY CO	173.6 353.8	182.82 BPET19990107KE 3	39 40 25.0 105 13 01.0	100.000 342		111.0 Rocky Mountai n Publ ic Broa	126.5R	56.3M
06+2E Casper	KPTW	CP	DHN WY	335.1 154.5	175.68 BPET19960624KT 4	42 44 26.0 106 21 34.0	0.331 536		20.2 Central Wyomi ng Col lege	51.8R	123.9M

Terrain database is USGS 03 SEC Distance + R = 73.215 or FCC Spacings in KM, Distance + M = Margin in KM
Contour distances are on direct line to and from reference station. Reference zone = 2. With 3rd Adj Channels.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"***"affixed to 'IN' or 'OUT' values = site inside protected contour.
"<" = Contour Overlap

** Construction permit being modified herein.

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 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 contour overlap. Listed antenna heights and power are the specific antenna heights and the DA power, if applicable, along the straight line azimuths between the reference station and the database station is used and vice 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 contour overlap.

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

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

For I.F. relationships and relationships with commercial channel stations the minimum spacings 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".

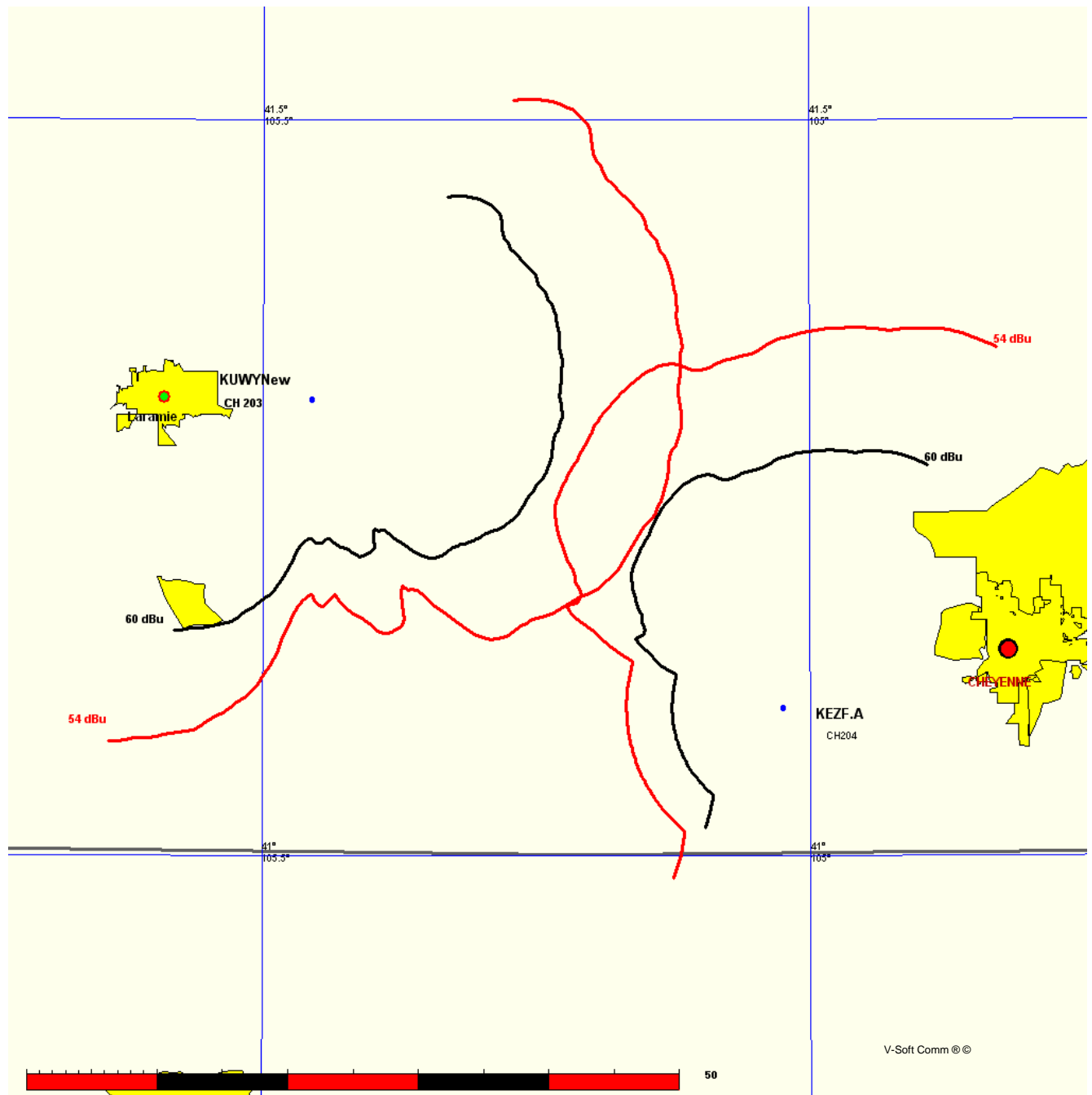
The call letters of stations meeting the minimum separation distances will be flagged by the characters "<<" appended to the end of the call letters. The "^" character appended to the call letters means the station has been "max-classed" according to the provisions of section 73.525 of the Rules.

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 with an omni-directional antenna. 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" or left blank.

FMCommander Single Allocation Study
01-18-2008

KUWYNew CH 203 A
0.134 kW 2703 M COR
Prot. = 60 dBu
Intef. = 54 dBu

KEZF-A CH 204 A BPED20070514AFO
0.5 kW, 2153 M COR
Prot. = 60 dBu
Intef. = 54 dBu



01-18-2008

USGS 03 SEC Terrain Data

FMOver Analysis

KUWYNew

Channel = 203A

Max ERP = 0.134 kW

RCAMSL = 2703 M

N. Lat. 41 18 36.0

W. Lng. 105 27 17.0

Protected

60 dBu

KEZF-A

BPED20070514AFO

Channel = 204A

Max ERP = 0.5 kW

RCAMSL = 2153 M

N. Lat. 41 06 02.0

W. Lng. 105 01 29.1

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
063.0	000.1340	0299.1	019.4	329.8	000.5000	0130.6	037.1	48.17
064.0	000.1340	0300.9	019.4	329.9	000.5000	0130.7	036.7	48.33
065.0	000.1340	0305.5	019.6	330.1	000.5000	0131.0	036.4	48.52
066.0	000.1340	0305.5	019.6	330.0	000.5000	0130.9	036.1	48.67
067.0	000.1340	0304.4	019.5	329.9	000.5000	0130.7	035.7	48.82
068.0	000.1340	0307.0	019.6	330.0	000.5000	0130.8	035.4	49.00
069.0	000.1340	0307.9	019.6	329.9	000.5000	0130.8	035.0	49.16
070.0	000.1340	0307.8	019.6	329.8	000.5000	0130.6	034.7	49.31
071.0	000.1340	0307.6	019.6	329.7	000.5000	0130.4	034.4	49.46
072.0	000.1340	0306.6	019.6	329.5	000.5000	0130.2	034.0	49.61
073.0	000.1340	0305.7	019.6	329.4	000.5000	0129.9	033.7	49.75
074.0	000.1340	0304.5	019.5	329.1	000.5000	0129.6	033.4	49.89
075.0	000.1340	0303.0	019.5	328.9	000.5000	0129.2	033.1	50.02
076.0	000.1340	0300.8	019.4	328.6	000.5000	0128.8	032.8	50.14
077.0	000.1340	0297.7	019.3	328.3	000.5000	0128.2	032.5	50.25
078.0	000.1340	0296.1	019.3	328.0	000.5000	0127.8	032.2	50.37
079.0	000.1340	0296.6	019.3	327.8	000.5000	0127.6	031.9	50.52
080.0	000.1340	0298.0	019.3	327.6	000.5000	0127.3	031.5	50.67
081.0	000.1340	0298.5	019.3	327.4	000.5000	0126.9	031.2	50.81
082.0	000.1340	0297.9	019.3	327.1	000.5000	0126.4	030.9	50.93
083.0	000.1340	0292.9	019.2	326.6	000.5000	0125.3	030.7	50.98
084.0	000.1340	0291.3	019.1	326.2	000.5000	0124.4	030.4	51.08
085.0	000.1340	0290.4	019.1	325.8	000.5000	0123.5	030.1	51.18
086.0	000.1340	0289.4	019.0	325.5	000.5000	0122.6	029.9	51.27
087.0	000.1340	0287.4	019.0	325.0	000.5000	0121.6	029.6	51.35
088.0	000.1340	0285.8	018.9	324.6	000.5000	0120.6	029.4	51.42
089.0	000.1340	0285.2	018.9	324.2	000.5000	0119.7	029.1	51.51
090.0	000.1340	0286.7	019.0	323.9	000.5000	0119.0	028.8	51.65
091.0	000.1340	0289.0	019.0	323.6	000.5000	0118.4	028.5	51.79
092.0	000.1340	0290.2	019.1	323.3	000.5000	0117.6	028.2	51.91
093.0	000.1340	0291.4	019.1	322.9	000.5000	0116.8	027.9	52.03
094.0	000.1340	0292.3	019.1	322.5	000.5000	0116.0	027.7	52.14
095.0	000.1340	0290.0	019.1	321.9	000.5000	0115.0	027.5	52.19
096.0	000.1340	0287.8	019.0	321.3	000.5000	0114.0	027.3	52.24
097.0	000.1340	0285.3	018.9	320.7	000.5000	0113.1	027.1	52.28
098.0	000.1340	0281.0	018.8	320.0	000.5000	0112.2	027.0	52.28
099.0	000.1340	0279.0	018.7	319.3	000.5000	0111.4	026.9	52.32

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
100.0	000.1340	0279.0	018.7	318.8	000.5000	0110.8	026.6	52.40
101.0	000.1340	0279.7	018.7	318.3	000.5000	0110.1	026.4	52.50
102.0	000.1340	0280.3	018.7	317.7	000.5000	0109.5	026.2	52.58
103.0	000.1340	0280.7	018.7	317.2	000.5000	0108.8	026.0	52.66
104.0	000.1340	0281.0	018.8	316.6	000.5000	0108.0	025.8	52.72
105.0	000.1340	0280.8	018.8	315.9	000.5000	0107.3	025.7	52.77
106.0	000.1340	0280.1	018.7	315.3	000.5000	0106.4	025.5	52.79
107.0	000.1340	0278.7	018.7	314.6	000.5000	0105.5	025.4	52.79
108.0	000.1340	0277.4	018.6	313.9	000.5000	0104.5	025.3	52.77
109.0	000.1340	0275.6	018.6	313.2	000.5000	0103.6	025.2	52.75
110.0	000.1340	0270.6	018.4	312.3	000.5000	0102.6	025.3	52.63
111.0	000.1340	0267.3	018.3	311.6	000.5000	0101.4	025.3	52.53
112.0	000.1340	0265.8	018.2	310.8	000.5000	0099.9	025.2	52.42
113.0	000.1340	0264.2	018.2	310.1	000.5000	0098.1	025.2	52.28
114.0	000.1340	0262.2	018.1	309.4	000.5000	0095.9	025.2	52.08
115.0	000.1340	0261.3	018.1	308.7	000.5000	0093.4	025.1	51.87
116.0	000.1340	0260.7	018.0	307.9	000.5000	0090.9	025.1	51.64
117.0	000.1340	0260.0	018.0	307.2	000.5000	0088.1	025.0	51.37
118.0	000.1340	0258.7	018.0	306.5	000.5000	0085.5	025.0	51.09
119.0	000.1340	0258.4	018.0	305.8	000.5000	0082.9	025.0	50.82
120.0	000.1340	0256.6	017.9	305.1	000.5000	0080.3	025.0	50.52
121.0	000.1340	0252.6	017.7	304.3	000.5000	0077.6	025.2	50.11
122.0	000.1340	0249.6	017.6	303.6	000.5000	0073.5	025.3	49.56
123.0	000.1340	0247.6	017.6	302.9	000.5000	0070.8	025.3	49.18
124.0	000.1340	0243.0	017.4	302.2	000.5000	0068.7	025.5	48.80
125.0	000.1340	0237.0	017.2	301.6	000.5000	0067.8	025.8	48.53
126.0	000.1340	0231.5	017.0	301.0	000.5000	0066.5	026.0	48.21
127.0	000.1340	0227.2	016.8	300.4	000.5000	0064.6	026.2	47.82
128.0	000.1340	0223.7	016.6	299.8	000.5000	0062.2	026.4	47.41
129.0	000.1340	0221.4	016.6	299.2	000.5000	0060.9	026.5	47.15
130.0	000.1340	0218.7	016.4	298.6	000.5000	0060.4	026.7	46.97
131.0	000.1340	0215.4	016.3	298.1	000.5000	0060.5	026.9	46.86
132.0	000.1340	0211.9	016.2	297.6	000.5000	0060.4	027.1	46.72
133.0	000.1340	0207.8	016.0	297.1	000.5000	0060.4	027.3	46.55
134.0	000.1340	0202.6	015.8	296.7	000.5000	0060.6	027.6	46.41
135.0	000.1340	0199.9	015.7	296.2	000.5000	0061.8	027.8	46.43
136.0	000.1340	0197.6	015.6	295.7	000.5000	0063.5	028.0	46.54
137.0	000.1340	0195.6	015.5	295.3	000.5000	0064.9	028.2	46.61
138.0	000.1340	0194.4	015.5	294.8	000.5000	0064.6	028.3	46.49
139.0	000.1340	0193.7	015.4	294.3	000.5000	0063.2	028.4	46.23
140.0	000.1340	0193.4	015.4	293.9	000.5000	0061.3	028.6	45.91
141.0	000.1340	0192.0	015.4	293.4	000.5000	0059.4	028.7	45.56
142.0	000.1340	0188.3	015.2	293.1	000.5000	0057.8	029.0	45.19
143.0	000.1340	0183.6	015.0	292.8	000.5000	0056.2	029.3	44.78
144.0	000.1340	0176.0	014.7	292.7	000.5000	0055.3	029.7	44.43
145.0	000.1340	0167.5	014.4	292.7	000.5000	0055.1	030.1	44.15
146.0	000.1340	0157.2	013.9	292.8	000.5000	0055.9	030.7	44.00
147.0	000.1340	0144.7	013.2	293.1	000.5000	0057.6	031.3	43.93
148.0	000.1340	0134.9	012.8	293.2	000.5000	0058.4	031.9	43.80
149.0	000.1340	0125.1	012.3	293.4	000.5000	0059.2	032.4	43.69
150.0	000.1340	0112.4	011.7	293.7	000.5000	0060.7	033.0	43.62

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
151.0	000.1340	0105.6	011.4	293.8	000.5000	0061.0	033.4	43.48
152.0	000.1340	0103.1	011.2	293.7	000.5000	0060.4	033.6	43.32
153.0	000.1340	0102.8	011.2	293.4	000.5000	0059.3	033.7	43.12
154.0	000.1340	0097.6	010.9	293.5	000.5000	0059.6	034.0	43.01
155.0	000.1340	0101.4	011.1	293.0	000.5000	0057.2	034.0	42.69
156.0	000.1340	0110.1	011.6	292.2	000.5000	0052.0	033.8	41.98
157.0	000.1340	0122.3	012.2	291.3	000.5000	0047.9	033.6	41.39
158.0	000.1340	0127.2	012.4	290.8	000.5000	0046.6	033.6	41.16
159.0	000.1340	0127.9	012.4	290.5	000.5000	0046.0	033.7	40.99
160.0	000.1340	0128.5	012.4	290.2	000.5000	0045.4	033.9	40.81
161.0	000.1340	0129.4	012.5	289.9	000.5000	0044.7	034.0	40.62
162.0	000.1340	0129.7	012.5	289.7	000.5000	0044.0	034.2	40.44
163.0	000.1340	0128.4	012.4	289.5	000.5000	0043.7	034.4	40.28
164.0	000.1340	0124.7	012.3	289.6	000.5000	0043.7	034.7	40.18
165.0	000.1340	0119.1	012.0	289.7	000.5000	0044.1	035.0	40.14
166.0	000.1340	0113.7	011.8	289.9	000.5000	0044.5	035.3	40.09
167.0	000.1340	0110.3	011.6	289.9	000.5000	0044.6	035.6	40.00
168.0	000.1340	0108.5	011.5	289.9	000.5000	0044.5	035.8	39.90
169.0	000.1340	0106.2	011.4	289.8	000.5000	0044.5	036.0	39.80
170.0	000.1340	0103.1	011.2	289.9	000.5000	0044.7	036.3	39.73
171.0	000.1340	0099.8	011.1	290.0	000.5000	0044.9	036.5	39.68
172.0	000.1340	0095.7	010.8	290.2	000.5000	0045.2	036.8	39.64
173.0	000.1340	0091.4	010.6	290.3	000.5000	0045.7	037.1	39.61
174.0	000.1340	0092.0	010.6	290.2	000.5000	0045.3	037.2	39.49
175.0	000.1340	0094.1	010.8	289.9	000.5000	0044.6	037.3	39.32
176.0	000.1340	0096.7	010.9	289.6	000.5000	0043.8	037.4	39.12
177.0	000.1340	0097.6	010.9	289.4	000.5000	0043.2	037.6	38.96
178.0	000.1340	0097.2	010.9	289.3	000.5000	0043.0	037.8	38.85
179.0	000.1340	0095.0	010.8	289.4	000.5000	0043.2	038.0	38.81
180.0	000.1340	0090.8	010.6	289.6	000.5000	0043.9	038.3	38.84
181.0	000.1340	0091.3	010.6	289.5	000.5000	0043.5	038.4	38.71
182.0	000.1340	0092.3	010.7	289.3	000.5000	0043.0	038.6	38.56
183.0	000.1340	0095.0	010.8	289.0	000.5000	0041.9	038.7	38.31

01-18-2008 USGS 03 SEC Terrain Data

KEZF-A BPED20070514AFO
 Channel = 204A
 Max ERP = 0.5 kW
 RCAMSL = 2153 M
 N. Lat. 41 06 02.0
 W. Lng. 105 01 29.1
 Protected
 60 dBu

KUWYNew
 Channel = 203A
 Max ERP = 0.134 kW
 RCAMSL = 2703 M
 N. Lat. 41 18 36.0
 W. Lng. 105 27 17.0
 Interfering
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
243.0	000.5000	-0015.9	008.5	133.6	000.1340	0204.6	039.3	45.16
244.0	000.5000	-0016.7	008.5	133.5	000.1340	0205.0	039.2	45.25
245.0	000.5000	-0017.7	008.5	133.4	000.1340	0205.4	039.1	45.33
246.0	000.5000	-0018.9	008.5	133.3	000.1340	0205.9	038.9	45.42
247.0	000.5000	-0020.0	008.5	133.3	000.1340	0206.4	038.8	45.51
248.0	000.5000	-0021.3	008.5	133.2	000.1340	0206.9	038.7	45.60
249.0	000.5000	-0022.5	008.5	133.1	000.1340	0207.4	038.5	45.68
250.0	000.5000	-0024.0	008.5	133.0	000.1340	0207.9	038.4	45.77
251.0	000.5000	-0025.7	008.5	132.9	000.1340	0208.4	038.3	45.86
252.0	000.5000	-0027.0	008.5	132.8	000.1340	0208.9	038.1	45.94
253.0	000.5000	-0027.9	008.5	132.7	000.1340	0209.5	038.0	46.03
254.0	000.5000	-0028.7	008.5	132.5	000.1340	0209.9	037.9	46.11
255.0	000.5000	-0029.3	008.5	132.4	000.1340	0210.4	037.7	46.19
256.0	000.5000	-0030.7	008.5	132.3	000.1340	0210.8	037.6	46.27
257.0	000.5000	-0034.2	008.5	132.2	000.1340	0211.3	037.5	46.35
258.0	000.5000	-0037.6	008.5	132.0	000.1340	0211.8	037.4	46.43
259.0	000.5000	-0041.8	008.5	131.9	000.1340	0212.3	037.3	46.51
260.0	000.5000	-0045.6	008.5	131.8	000.1340	0212.7	037.1	46.59
261.0	000.5000	-0043.5	008.5	131.6	000.1340	0213.2	037.0	46.67
262.0	000.5000	-0038.7	008.5	131.5	000.1340	0213.7	036.9	46.75
263.0	000.5000	-0035.9	008.5	131.3	000.1340	0214.3	036.8	46.83
264.0	000.5000	-0032.0	008.5	131.2	000.1340	0214.8	036.7	46.90
265.0	000.5000	-0029.2	008.5	131.0	000.1340	0215.4	036.6	46.98
266.0	000.5000	-0029.9	008.5	130.9	000.1340	0216.0	036.5	47.06
267.0	000.5000	-0031.5	008.5	130.7	000.1340	0216.5	036.4	47.14
268.0	000.5000	-0033.5	008.5	130.5	000.1340	0217.1	036.3	47.21
269.0	000.5000	-0035.0	008.5	130.3	000.1340	0217.7	036.2	47.28
270.0	000.5000	-0036.4	008.5	130.2	000.1340	0218.2	036.1	47.36
271.0	000.5000	-0037.6	008.5	130.0	000.1340	0218.7	036.0	47.43
272.0	000.5000	-0037.2	008.5	129.8	000.1340	0219.3	035.9	47.50
273.0	000.5000	-0033.4	008.5	129.6	000.1340	0219.9	035.8	47.56
274.0	000.5000	-0025.0	008.5	129.4	000.1340	0220.4	035.7	47.63
275.0	000.5000	-0018.5	008.5	129.2	000.1340	0220.9	035.6	47.69
276.0	000.5000	-0016.0	008.5	129.0	000.1340	0221.4	035.5	47.75

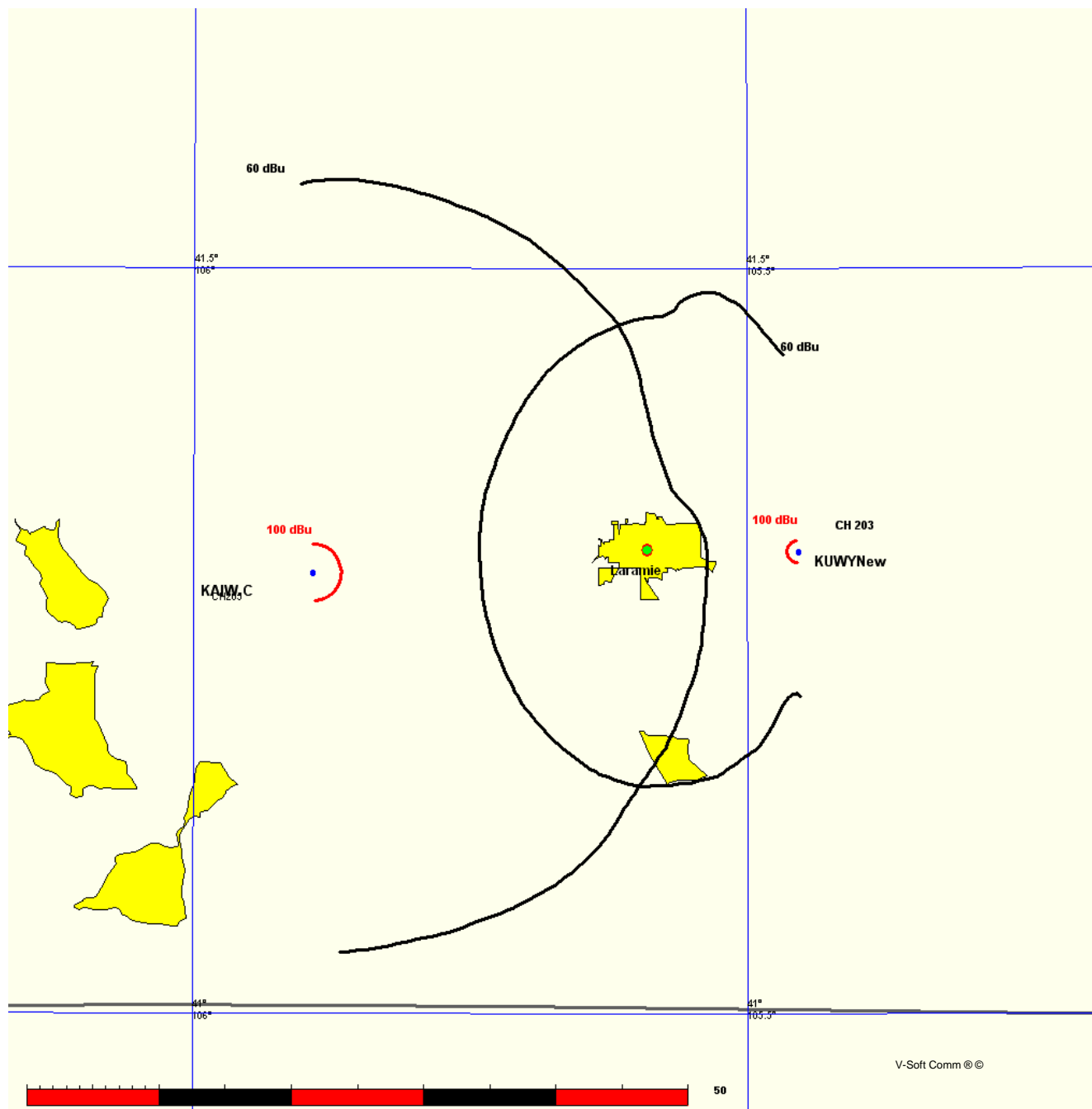
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
277.0	000.5000	-0015.5	008.5	128.8	000.1340	0221.9	035.5	47.81
278.0	000.5000	-0017.5	008.5	128.6	000.1340	0222.3	035.4	47.87
279.0	000.5000	-0016.9	008.5	128.4	000.1340	0222.7	035.3	47.92
280.0	000.5000	-0013.5	008.5	128.2	000.1340	0223.2	035.2	47.98
281.0	000.5000	-0006.8	008.5	128.0	000.1340	0223.7	035.2	48.03
282.0	000.5000	0001.1	008.5	127.8	000.1340	0224.3	035.1	48.09
283.0	000.5000	0003.6	008.5	127.6	000.1340	0225.1	035.0	48.15
284.0	000.5000	0007.5	008.5	127.3	000.1340	0225.9	035.0	48.22
285.0	000.5000	0017.5	008.5	127.1	000.1340	0226.7	034.9	48.28
286.0	000.5000	0025.5	008.5	126.9	000.1340	0227.6	034.9	48.34
287.0	000.5000	0030.4	008.6	126.7	000.1340	0228.4	034.8	48.43
288.0	000.5000	0036.2	009.3	126.9	000.1340	0227.7	034.0	48.78
289.0	000.5000	0041.8	010.0	127.0	000.1340	0227.3	033.3	49.12
290.0	000.5000	0044.9	010.4	126.9	000.1340	0227.6	032.9	49.35
291.0	000.5000	0047.2	010.7	126.7	000.1340	0228.3	032.5	49.54
292.0	000.5000	0050.4	011.1	126.6	000.1340	0228.8	032.1	49.77
293.0	000.5000	0057.2	011.8	126.5	000.1340	0229.0	031.4	50.16
294.0	000.5000	0061.8	012.2	126.3	000.1340	0229.8	030.9	50.43
295.0	000.5000	0064.9	012.4	126.0	000.1340	0231.3	030.7	50.64
296.0	000.5000	0062.5	012.2	125.6	000.1340	0233.8	030.8	50.65
297.0	000.5000	0060.4	012.0	125.1	000.1340	0236.4	031.0	50.66
298.0	000.5000	0060.5	012.1	124.8	000.1340	0238.4	030.9	50.75
299.0	000.5000	0060.6	012.1	124.4	000.1340	0240.7	030.9	50.86
300.0	000.5000	0063.1	012.3	124.0	000.1340	0243.0	030.7	51.05
301.0	000.5000	0066.6	012.6	123.6	000.1340	0245.0	030.4	51.29
302.0	000.5000	0068.2	012.7	123.2	000.1340	0246.9	030.2	51.43
303.0	000.5000	0071.1	012.9	122.8	000.1340	0248.2	030.0	51.61
304.0	000.5000	0075.9	013.3	122.4	000.1340	0249.0	029.6	51.86
305.0	000.5000	0080.2	013.7	121.9	000.1340	0249.8	029.3	52.09
306.0	000.5000	0083.7	014.0	121.4	000.1340	0251.2	029.0	52.30
307.0	000.5000	0087.3	014.3	120.8	000.1340	0253.2	028.7	52.54
308.0	000.5000	0091.1	014.6	120.2	000.1340	0255.6	028.4	52.79
309.0	000.5000	0094.6	014.9	119.6	000.1340	0257.8	028.2	53.03
310.0	000.5000	0097.8	015.2	119.0	000.1340	0258.4	027.9	53.19
311.0	000.5000	0100.2	015.4	118.4	000.1340	0258.5	027.8	53.29
312.0	000.5000	0102.1	015.5	117.8	000.1340	0259.0	027.7	53.37
313.0	000.5000	0103.4	015.6	117.2	000.1340	0259.8	027.6	53.42
314.0	000.5000	0104.7	015.8	116.6	000.1340	0260.4	027.6	53.46
315.0	000.5000	0106.0	015.9	115.9	000.1340	0260.8	027.6	53.49
316.0	000.5000	0107.3	016.0	115.3	000.1340	0261.1	027.6	53.51
317.0	000.5000	0108.5	016.1	114.7	000.1340	0261.5	027.6	53.52
318.0	000.5000	0109.8	016.2	114.1	000.1340	0262.2	027.6	53.54
319.0	000.5000	0111.0	016.3	113.4	000.1340	0263.3	027.6	53.56
320.0	000.5000	0112.2	016.4	112.8	000.1340	0264.6	027.6	53.58
321.0	000.5000	0113.6	016.5	112.2	000.1340	0265.6	027.7	53.58
322.0	000.5000	0115.1	016.7	111.5	000.1340	0266.4	027.7	53.59
323.0	000.5000	0117.1	016.8	110.8	000.1340	0267.6	027.7	53.61
324.0	000.5000	0119.2	017.0	110.1	000.1340	0269.9	027.7	53.67
325.0	000.5000	0121.5	017.1	109.4	000.1340	0273.9	027.8	53.78
326.0	000.5000	0123.9	017.3	108.7	000.1340	0276.3	027.8	53.83
327.0	000.5000	0126.1	017.5	108.0	000.1340	0277.4	027.9	53.82

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
328.0	000.5000	0127.9	017.6	107.4	000.1340	0278.3	028.0	53.78
329.0	000.5000	0129.4	017.7	106.8	000.1340	0279.0	028.1	53.73
330.0	000.5000	0130.9	017.8	106.1	000.1340	0279.9	028.2	53.67
331.0	000.5000	0132.4	017.9	105.5	000.1340	0280.5	028.4	53.61
332.0	000.5000	0134.1	018.0	104.9	000.1340	0280.8	028.5	53.53
333.0	000.5000	0135.6	018.2	104.3	000.1340	0281.0	028.7	53.43
334.0	000.5000	0137.2	018.3	103.7	000.1340	0280.9	028.8	53.33
335.0	000.5000	0138.7	018.4	103.2	000.1340	0280.8	029.0	53.21
336.0	000.5000	0140.1	018.5	102.6	000.1340	0280.6	029.2	53.09
337.0	000.5000	0140.9	018.5	102.2	000.1340	0280.4	029.4	52.95
338.0	000.5000	0141.4	018.6	101.8	000.1340	0280.2	029.7	52.80
339.0	000.5000	0141.8	018.6	101.4	000.1340	0280.0	029.9	52.64
340.0	000.5000	0142.1	018.6	101.0	000.1340	0279.7	030.2	52.48
341.0	000.5000	0141.8	018.6	100.7	000.1340	0279.5	030.5	52.31
342.0	000.5000	0140.8	018.5	100.6	000.1340	0279.3	030.8	52.13
343.0	000.5000	0138.4	018.4	100.5	000.1340	0279.3	031.2	51.93
344.0	000.5000	0134.4	018.1	100.7	000.1340	0279.5	031.6	51.72
345.0	000.5000	0131.1	017.8	100.9	000.1340	0279.6	032.0	51.52
346.0	000.5000	0130.0	017.8	100.8	000.1340	0279.5	032.3	51.36
347.0	000.5000	0129.9	017.7	100.5	000.1340	0279.3	032.6	51.21
348.0	000.5000	0130.7	017.8	100.2	000.1340	0279.1	032.8	51.08
349.0	000.5000	0132.0	017.9	099.9	000.1340	0278.9	033.1	50.94
350.0	000.5000	0133.0	018.0	099.6	000.1340	0278.7	033.4	50.80
351.0	000.5000	0133.7	018.0	099.3	000.1340	0278.7	033.7	50.67
352.0	000.5000	0134.1	018.1	099.1	000.1340	0278.9	033.9	50.53
353.0	000.5000	0134.5	018.1	098.9	000.1340	0279.1	034.2	50.39
354.0	000.5000	0134.8	018.1	098.7	000.1340	0279.3	034.5	50.25
355.0	000.5000	0135.9	018.2	098.5	000.1340	0279.7	034.8	50.12
356.0	000.5000	0137.6	018.3	098.2	000.1340	0280.5	035.1	50.01
357.0	000.5000	0140.3	018.5	097.8	000.1340	0281.9	035.4	49.92
358.0	000.5000	0142.8	018.7	097.4	000.1340	0283.5	035.7	49.83
359.0	000.5000	0144.7	018.8	097.1	000.1340	0284.9	036.0	49.73
000.0	000.5000	0146.2	018.9	096.9	000.1340	0285.8	036.3	49.61
001.0	000.5000	0147.3	019.0	096.7	000.1340	0286.4	036.6	49.48
002.0	000.5000	0149.3	019.1	096.4	000.1340	0287.1	036.9	49.35
003.0	000.5000	0151.3	019.2	096.2	000.1340	0287.5	037.3	49.21

FMCommander Single Allocation Study
01-18-2008

KUWYNew CH 203 A
0.134 kW 2703 M COR
Prot. = 60 dBu
Intef. = 100 dBu

KAIW-C CH 205 A BPED20060810AJR
1.15 kW, 2459 M COR
Prot. = 60 dBu
Intef. = 100 dBu



01-18-2008

USGS 03 SEC Terrain Data

FMOver Analysis

KUWYNew

Channel = 203A

Max ERP = 0.134 kW

RCAMSL = 2703 M

N. Lat. 41 18 36.0

W. Lng. 105 27 17.0

Protected

60 dBu

KAIW-C

BPED20060810AJR

Channel = 205A

Max ERP = 1.15 kW

RCAMSL = 2459 M

N. Lat. 41 17 46.0

W. Lng. 105 53 30.0

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
208.0	000.1340	0307.7	019.6	119.9	001.1500	0248.4	031.6	60.05
209.0	000.1340	0316.4	019.9	120.4	001.1500	0248.1	031.3	60.21
210.0	000.1340	0324.5	020.2	120.9	001.1500	0247.9	030.9	60.39
211.0	000.1340	0331.7	020.4	121.3	001.1500	0247.7	030.6	60.58
212.0	000.1340	0340.2	020.6	121.7	001.1500	0247.4	030.2	60.78
213.0	000.1340	0349.6	020.9	122.2	001.1500	0247.3	029.9	60.98
214.0	000.1340	0358.3	021.1	122.7	001.1500	0247.1	029.5	61.19
215.0	000.1340	0366.1	021.3	123.1	001.1500	0247.0	029.1	61.42
216.0	000.1340	0372.9	021.5	123.4	001.1500	0247.0	028.7	61.65
217.0	000.1340	0378.2	021.6	123.7	001.1500	0246.9	028.4	61.88
218.0	000.1340	0383.6	021.8	123.9	001.1500	0246.9	028.0	62.13
219.0	000.1340	0388.9	021.9	124.1	001.1500	0246.9	027.6	62.38
220.0	000.1340	0394.2	022.1	124.4	001.1500	0246.9	027.2	62.64
221.0	000.1340	0399.6	022.2	124.6	001.1500	0246.9	026.8	62.91
222.0	000.1340	0404.9	022.3	124.8	001.1500	0246.9	026.4	63.18
223.0	000.1340	0409.6	022.5	124.9	001.1500	0246.9	026.0	63.46
224.0	000.1340	0413.4	022.6	125.0	001.1500	0246.9	025.6	63.74
225.0	000.1340	0416.7	022.6	125.0	001.1500	0246.9	025.2	64.02
226.0	000.1340	0419.5	022.7	125.0	001.1500	0246.9	024.8	64.31
227.0	000.1340	0422.2	022.8	125.0	001.1500	0246.9	024.4	64.60
228.0	000.1340	0424.8	022.9	125.0	001.1500	0246.9	024.0	64.90
229.0	000.1340	0427.4	022.9	124.9	001.1500	0246.9	023.6	65.20
230.0	000.1340	0430.2	023.0	124.8	001.1500	0246.9	023.2	65.50
231.0	000.1340	0433.1	023.1	124.7	001.1500	0246.9	022.8	65.81
232.0	000.1340	0436.0	023.1	124.6	001.1500	0246.9	022.3	66.12
233.0	000.1340	0438.9	023.2	124.5	001.1500	0246.9	021.9	66.44
234.0	000.1340	0441.5	023.3	124.3	001.1500	0246.9	021.5	66.75
235.0	000.1340	0443.5	023.3	124.1	001.1500	0246.9	021.1	67.07
236.0	000.1340	0445.5	023.4	123.8	001.1500	0246.9	020.7	67.38
237.0	000.1340	0447.6	023.4	123.5	001.1500	0247.0	020.3	67.70
238.0	000.1340	0449.5	023.5	123.2	001.1500	0247.0	019.9	68.02
239.0	000.1340	0451.6	023.5	122.8	001.1500	0247.1	019.5	68.34
240.0	000.1340	0453.7	023.6	122.4	001.1500	0247.2	019.2	68.67
241.0	000.1340	0455.9	023.7	122.0	001.1500	0247.3	018.8	68.99
242.0	000.1340	0457.9	023.7	121.5	001.1500	0247.5	018.4	69.32
243.0	000.1340	0459.0	023.7	120.9	001.1500	0247.9	018.0	69.63
244.0	000.1340	0459.8	023.8	120.2	001.1500	0248.2	017.6	69.94

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
245.0	000.1340	0460.5	023.8	119.5	001.1500	0248.6	017.3	70.25
246.0	000.1340	0461.1	023.8	118.8	001.1500	0249.3	016.9	70.56
247.0	000.1340	0462.0	023.8	117.9	001.1500	0250.1	016.6	70.87
248.0	000.1340	0462.9	023.8	117.1	001.1500	0251.0	016.3	71.18
249.0	000.1340	0463.8	023.9	116.2	001.1500	0252.1	015.9	71.50
250.0	000.1340	0464.4	023.9	115.2	001.1500	0252.4	015.6	71.77
251.0	000.1340	0464.9	023.9	114.1	001.1500	0251.7	015.3	72.00
252.0	000.1340	0465.3	023.9	113.0	001.1500	0252.7	015.0	72.29
253.0	000.1340	0465.6	023.9	111.8	001.1500	0252.6	014.8	72.33
254.0	000.1340	0465.8	023.9	110.5	001.1500	0252.5	014.5	72.64
255.0	000.1340	0466.1	023.9	109.1	001.1500	0252.5	014.3	72.95
256.0	000.1340	0466.3	023.9	107.7	001.1500	0252.7	014.0	73.25
257.0	000.1340	0466.6	023.9	106.3	001.1500	0253.5	013.8	73.56
258.0	000.1340	0466.9	024.0	104.8	001.1500	0254.3	013.6	73.86
259.0	000.1340	0467.2	024.0	103.2	001.1500	0254.7	013.4	74.13
260.0	000.1340	0467.6	024.0	101.5	001.1500	0254.4	013.2	74.36
261.0	000.1340	0467.7	024.0	099.8	001.1500	0253.9	013.1	74.55
262.0	000.1340	0467.8	024.0	098.1	001.1500	0253.0	013.0	74.70
263.0	000.1340	0467.8	024.0	096.3	001.1500	0252.1	012.8	74.82
264.0	000.1340	0467.6	024.0	094.4	001.1500	0251.9	012.8	74.93
265.0	000.1340	0467.3	024.0	092.6	001.1500	0252.1	012.7	75.03
266.0	000.1340	0467.2	024.0	090.7	001.1500	0252.5	012.7	75.10
267.0	000.1340	0467.4	024.0	088.8	001.1500	0253.4	012.6	75.18
268.0	000.1340	0467.8	024.0	086.9	001.1500	0254.1	012.6	75.22
269.0	000.1340	0468.1	024.0	085.0	001.1500	0251.7	012.6	75.13
270.0	000.1340	0468.5	024.0	083.1	001.1500	0246.9	012.6	74.92
271.0	000.1340	0468.8	024.0	081.2	001.1500	0240.5	012.7	74.62
272.0	000.1340	0469.2	024.0	079.3	001.1500	0231.2	012.8	74.18
273.0	000.1340	0469.2	024.0	077.5	001.1500	0221.7	012.9	73.67
274.0	000.1340	0469.0	024.0	075.7	001.1500	0218.7	013.0	73.38
275.0	000.1340	0468.7	024.0	074.0	001.1500	0217.6	013.1	73.13
276.0	000.1340	0468.4	024.0	072.4	001.1500	0216.9	013.3	72.87
277.0	000.1340	0468.1	024.0	070.7	001.1500	0216.7	013.5	72.62
278.0	000.1340	0467.7	024.0	069.2	001.1500	0216.8	013.7	72.36
279.0	000.1340	0467.3	024.0	067.7	001.1500	0217.9	013.9	72.12
280.0	000.1340	0466.8	024.0	066.3	001.1500	0219.9	014.1	71.90
281.0	000.1340	0466.0	023.9	065.0	001.1500	0222.0	014.4	71.67
282.0	000.1340	0464.7	023.9	063.7	001.1500	0224.2	014.7	71.42
283.0	000.1340	0463.2	023.9	062.6	001.1500	0226.3	015.0	71.16
284.0	000.1340	0461.7	023.8	061.5	001.1500	0228.3	015.3	71.27
285.0	000.1340	0460.4	023.8	060.5	001.1500	0230.9	015.6	71.10
286.0	000.1340	0459.3	023.7	059.5	001.1500	0233.5	015.9	70.93
287.0	000.1340	0458.1	023.7	058.6	001.1500	0235.9	016.2	70.74
288.0	000.1340	0456.6	023.7	057.7	001.1500	0237.7	016.6	70.52
289.0	000.1340	0455.4	023.6	056.9	001.1500	0239.1	016.9	70.28
290.0	000.1340	0454.3	023.6	056.1	001.1500	0240.8	017.2	70.05
291.0	000.1340	0453.6	023.6	055.4	001.1500	0242.6	017.6	69.82
292.0	000.1340	0452.9	023.6	054.7	001.1500	0244.2	017.9	69.57
293.0	000.1340	0452.4	023.6	054.1	001.1500	0245.6	018.3	69.32
294.0	000.1340	0451.8	023.5	053.5	001.1500	0246.8	018.7	69.06
295.0	000.1340	0451.1	023.5	052.9	001.1500	0247.7	019.0	68.79

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
296.0	000.1340	0450.1	023.5	052.4	001.1500	0248.3	019.4	68.51
297.0	000.1340	0449.0	023.5	051.9	001.1500	0248.8	019.8	68.21
298.0	000.1340	0447.9	023.4	051.5	001.1500	0249.2	020.2	67.91
299.0	000.1340	0446.8	023.4	051.2	001.1500	0249.4	020.5	67.61
300.0	000.1340	0445.7	023.4	050.8	001.1500	0249.7	020.9	67.31
301.0	000.1340	0444.4	023.3	050.5	001.1500	0249.8	021.3	67.00
302.0	000.1340	0443.0	023.3	050.2	001.1500	0249.9	021.7	66.70
303.0	000.1340	0441.6	023.3	050.0	001.1500	0250.0	022.1	66.39
304.0	000.1340	0440.6	023.3	049.8	001.1500	0250.1	022.5	66.09
305.0	000.1340	0438.9	023.2	049.6	001.1500	0250.1	022.9	65.78
306.0	000.1340	0436.3	023.1	049.5	001.1500	0250.1	023.3	65.47
307.0	000.1340	0433.5	023.1	049.5	001.1500	0250.1	023.7	65.17
308.0	000.1340	0430.2	023.0	049.5	001.1500	0250.1	024.1	64.87
309.0	000.1340	0426.5	022.9	049.5	001.1500	0250.1	024.6	64.57
310.0	000.1340	0423.4	022.8	049.5	001.1500	0250.1	025.0	64.27
311.0	000.1340	0420.1	022.7	049.5	001.1500	0250.1	025.4	63.98
312.0	000.1340	0416.8	022.6	049.6	001.1500	0250.1	025.8	63.70
313.0	000.1340	0413.4	022.6	049.7	001.1500	0250.1	026.2	63.42
314.0	000.1340	0410.1	022.5	049.8	001.1500	0250.1	026.6	63.15
315.0	000.1340	0406.6	022.4	049.9	001.1500	0250.0	027.0	62.88
316.0	000.1340	0402.5	022.3	050.0	001.1500	0250.0	027.4	62.62
317.0	000.1340	0397.9	022.2	050.2	001.1500	0250.0	027.8	62.36
318.0	000.1340	0393.4	022.0	050.4	001.1500	0249.8	028.2	62.10
319.0	000.1340	0388.8	021.9	050.6	001.1500	0249.7	028.5	61.86
320.0	000.1340	0384.3	021.8	050.8	001.1500	0249.6	028.9	61.61
321.0	000.1340	0380.0	021.7	051.1	001.1500	0249.5	029.3	61.38
322.0	000.1340	0375.4	021.6	051.3	001.1500	0249.3	029.7	61.15
323.0	000.1340	0371.0	021.5	051.5	001.1500	0249.2	030.1	60.93
324.0	000.1340	0365.8	021.3	051.8	001.1500	0249.0	030.4	60.71
325.0	000.1340	0360.0	021.2	052.1	001.1500	0248.6	030.8	60.49
326.0	000.1340	0354.4	021.0	052.4	001.1500	0248.3	031.2	60.29
327.0	000.1340	0348.8	020.9	052.8	001.1500	0247.9	031.5	60.08
328.0	000.1340	0342.5	020.7	053.1	001.1500	0247.3	031.9	59.88

01-18-2008 USGS 03 SEC Terrain Data

KAIW-C BPED20060810AJR
 Channel = 205A
 Max ERP = 1.15 kW
 RCAMSL = 2459 M
 N. Lat. 41 17 46.0
 W. Lng. 105 53 30.0
 Protected
 60 dBu

KUWYNew
 Channel = 203A
 Max ERP = 0.134 kW
 RCAMSL = 2703 M
 N. Lat. 41 18 36.0
 W. Lng. 105 27 17.0
 Interfering
 100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
027.0	001.1500	0251.6	029.6	317.3	000.1340	0396.6	033.8	53.89
028.0	001.1500	0252.0	029.6	317.6	000.1340	0395.1	033.4	54.08
029.0	001.1500	0252.4	029.7	317.9	000.1340	0393.6	032.9	54.27
030.0	001.1500	0252.7	029.7	318.3	000.1340	0392.3	032.4	54.47
031.0	001.1500	0252.9	029.7	318.6	000.1340	0390.9	031.9	54.67
032.0	001.1500	0253.0	029.7	318.8	000.1340	0389.6	031.4	54.89
033.0	001.1500	0253.0	029.7	319.1	000.1340	0388.3	030.9	55.11
034.0	001.1500	0252.9	029.7	319.4	000.1340	0387.1	030.4	55.35
035.0	001.1500	0252.8	029.7	319.6	000.1340	0386.0	029.9	55.60
036.0	001.1500	0252.6	029.7	319.8	000.1340	0385.1	029.4	55.87
037.0	001.1500	0252.1	029.6	320.0	000.1340	0384.3	028.9	56.15
038.0	001.1500	0251.7	029.6	320.2	000.1340	0383.6	028.4	56.44
039.0	001.1500	0251.2	029.6	320.3	000.1340	0383.0	027.9	56.74
040.0	001.1500	0250.9	029.6	320.5	000.1340	0382.2	027.3	57.04
041.0	001.1500	0250.7	029.6	320.6	000.1340	0381.5	026.8	57.35
042.0	001.1500	0250.5	029.6	320.8	000.1340	0380.9	026.3	57.67
043.0	001.1500	0250.3	029.5	320.9	000.1340	0380.3	025.8	58.00
044.0	001.1500	0250.0	029.5	321.0	000.1340	0379.9	025.3	58.34
045.0	001.1500	0249.9	029.5	321.1	000.1340	0379.4	024.8	58.69
046.0	001.1500	0249.9	029.5	321.3	000.1340	0378.8	024.3	59.03
047.0	001.1500	0249.9	029.5	321.4	000.1340	0378.4	023.8	59.39
048.0	001.1500	0250.0	029.5	321.4	000.1340	0377.9	023.2	59.76
049.0	001.1500	0250.1	029.5	321.5	000.1340	0377.6	022.7	60.13
050.0	001.1500	0250.0	029.5	321.5	000.1340	0377.4	022.2	60.51
051.0	001.1500	0249.5	029.5	321.5	000.1340	0377.7	021.7	60.91
052.0	001.1500	0248.8	029.5	321.4	000.1340	0378.3	021.2	61.31
053.0	001.1500	0247.5	029.4	321.2	000.1340	0379.3	020.7	61.74
054.0	001.1500	0245.7	029.3	320.8	000.1340	0380.9	020.2	62.17
055.0	001.1500	0243.5	029.2	320.3	000.1340	0382.8	019.7	62.61
056.0	001.1500	0241.1	029.0	319.8	000.1340	0385.1	019.2	63.06
057.0	001.1500	0238.9	028.9	319.2	000.1340	0387.7	018.7	63.51
058.0	001.1500	0237.2	028.8	318.7	000.1340	0390.3	018.2	63.96
059.0	001.1500	0234.7	028.7	317.9	000.1340	0393.7	017.8	64.42
060.0	001.1500	0232.1	028.5	317.1	000.1340	0397.6	017.3	64.88

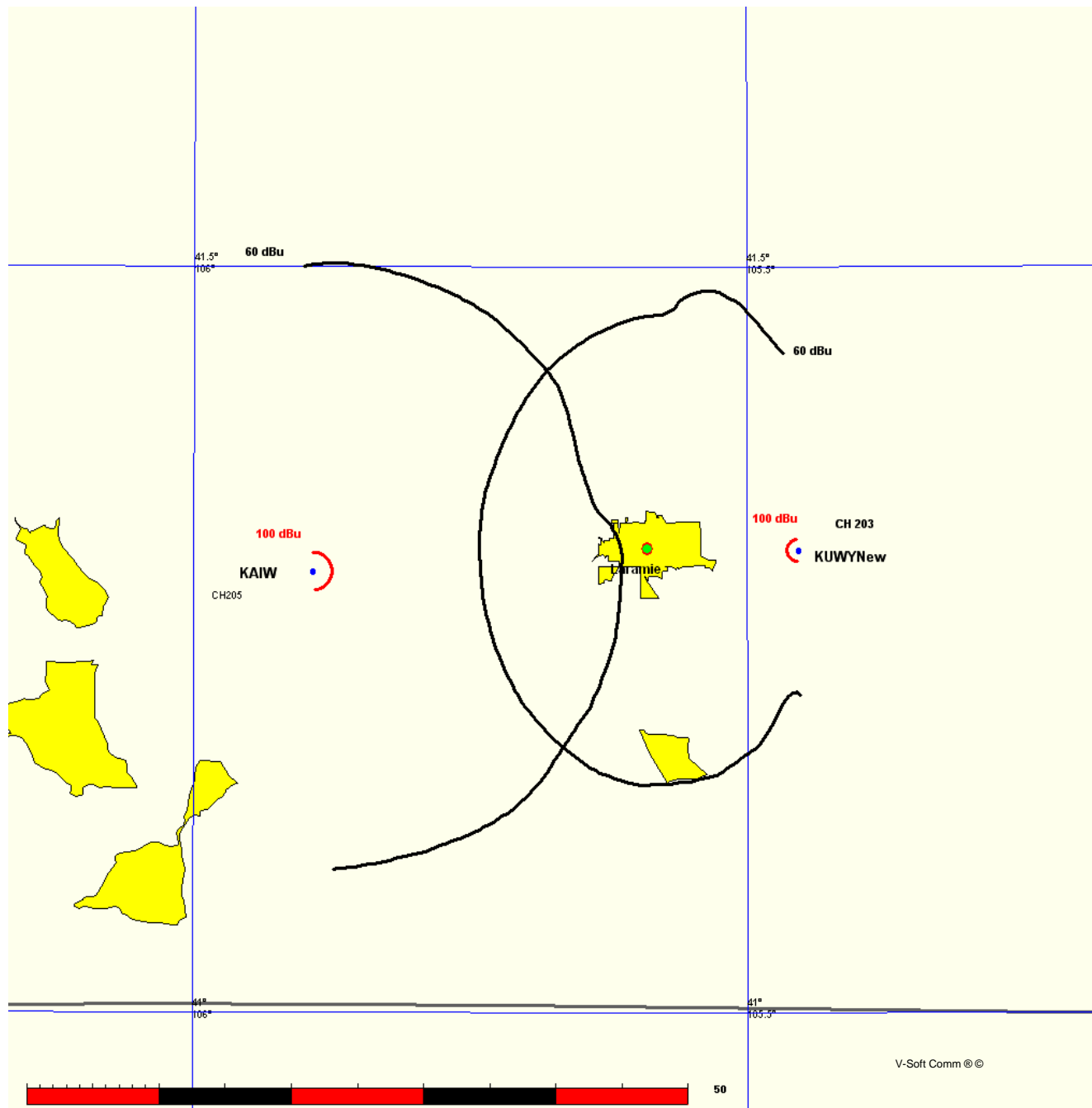
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
061.0	001.1500	0229.5	028.3	316.2	000.1340	0401.8	016.9	65.35
062.0	001.1500	0227.3	028.2	315.2	000.1340	0405.6	016.4	65.80
063.0	001.1500	0225.5	028.1	314.3	000.1340	0408.9	016.0	66.23
064.0	001.1500	0223.7	028.0	313.3	000.1340	0412.3	015.6	66.66
065.0	001.1500	0221.9	027.9	312.3	000.1340	0415.8	015.2	67.09
066.0	001.1500	0220.3	027.8	311.2	000.1340	0419.6	014.8	67.43
067.0	001.1500	0218.8	027.7	310.0	000.1340	0423.4	014.4	67.97
068.0	001.1500	0217.6	027.6	308.8	000.1340	0427.1	014.0	68.52
069.0	001.1500	0216.9	027.6	307.6	000.1340	0431.5	013.6	69.09
070.0	001.1500	0216.6	027.5	306.4	000.1340	0435.1	013.2	69.66
071.0	001.1500	0216.7	027.6	305.3	000.1340	0438.3	012.8	70.23
072.0	001.1500	0216.8	027.6	304.0	000.1340	0440.7	012.4	70.78
073.0	001.1500	0217.0	027.6	302.6	000.1340	0442.1	012.0	71.31
074.0	001.1500	0217.5	027.6	301.1	000.1340	0444.2	011.7	71.86
075.0	001.1500	0218.2	027.6	299.6	000.1340	0446.2	011.3	72.40
076.0	001.1500	0218.9	027.7	297.9	000.1340	0448.0	010.9	72.92
077.0	001.1500	0220.3	027.8	296.3	000.1340	0449.8	010.5	73.48
078.0	001.1500	0223.7	028.0	294.8	000.1340	0451.2	010.1	74.14
079.0	001.1500	0229.0	028.3	293.6	000.1340	0452.1	009.5	74.93
080.0	001.1500	0234.9	028.7	292.2	000.1340	0452.8	009.0	75.75
081.0	001.1500	0239.6	028.9	290.3	000.1340	0454.1	008.5	76.45
082.0	001.1500	0243.2	029.2	287.8	000.1340	0456.9	008.1	77.06
083.0	001.1500	0246.6	029.3	284.9	000.1340	0460.5	007.7	77.63
084.0	001.1500	0249.4	029.5	281.6	000.1340	0465.2	007.4	78.13
085.0	001.1500	0251.8	029.6	278.0	000.1340	0467.7	007.1	78.55
086.0	001.1500	0253.3	029.7	273.9	000.1340	0469.0	006.9	78.84
087.0	001.1500	0254.1	029.8	269.6	000.1340	0468.3	006.8	78.98
088.0	001.1500	0254.0	029.8	265.3	000.1340	0467.3	006.8	78.96
089.0	001.1500	0253.2	029.7	261.0	000.1340	0467.7	006.9	78.81
090.0	001.1500	0252.6	029.7	256.9	000.1340	0466.5	007.1	78.59
091.0	001.1500	0252.4	029.7	252.9	000.1340	0465.6	007.2	78.34
092.0	001.1500	0252.1	029.6	249.1	000.1340	0463.9	007.4	78.04
093.0	001.1500	0252.1	029.6	245.6	000.1340	0460.8	007.6	77.69
094.0	001.1500	0252.0	029.6	242.3	000.1340	0458.3	007.9	77.29
095.0	001.1500	0251.8	029.6	239.3	000.1340	0452.1	008.2	76.82
096.0	001.1500	0252.0	029.6	236.4	000.1340	0446.4	008.5	76.34
097.0	001.1500	0252.5	029.7	233.7	000.1340	0440.9	008.8	75.82
098.0	001.1500	0253.0	029.7	231.3	000.1340	0434.0	009.2	75.25
099.0	001.1500	0253.5	029.7	229.1	000.1340	0427.5	009.5	74.63
100.0	001.1500	0254.0	029.8	227.1	000.1340	0422.4	009.9	73.99
101.0	001.1500	0254.2	029.8	225.3	000.1340	0417.5	010.3	73.32
102.0	001.1500	0254.6	029.8	223.7	000.1340	0412.4	010.8	72.62
103.0	001.1500	0254.7	029.8	222.3	000.1340	0406.4	011.2	71.88
104.0	001.1500	0254.5	029.8	221.1	000.1340	0400.2	011.7	71.10
105.0	001.1500	0254.2	029.8	220.1	000.1340	0394.8	012.2	70.33
106.0	001.1500	0253.6	029.7	219.3	000.1340	0390.4	012.6	69.58
107.0	001.1500	0253.1	029.7	218.5	000.1340	0386.4	013.1	68.83
108.0	001.1500	0252.6	029.7	217.9	000.1340	0382.8	013.6	68.11
109.0	001.1500	0252.5	029.7	217.2	000.1340	0379.2	014.1	67.41
110.0	001.1500	0252.5	029.7	216.6	000.1340	0376.1	014.6	66.74
111.0	001.1500	0252.5	029.7	216.1	000.1340	0373.2	015.1	66.11

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
112.0	001.1500	0252.5	029.7	215.6	000.1340	0370.2	015.6	65.62
113.0	001.1500	0252.7	029.7	215.1	000.1340	0367.1	016.1	65.12
114.0	001.1500	0251.7	029.6	215.0	000.1340	0366.0	016.6	64.67
115.0	001.1500	0252.3	029.7	214.6	000.1340	0362.8	017.1	64.17
116.0	001.1500	0252.3	029.7	214.3	000.1340	0360.8	017.6	63.71
117.0	001.1500	0251.1	029.6	214.3	000.1340	0360.7	018.2	63.28
118.0	001.1500	0250.1	029.5	214.3	000.1340	0360.7	018.7	62.86
119.0	001.1500	0249.0	029.5	214.3	000.1340	0360.9	019.2	62.45
120.0	001.1500	0248.3	029.4	214.3	000.1340	0360.9	019.7	62.04
121.0	001.1500	0247.8	029.4	214.3	000.1340	0360.8	020.2	61.63
122.0	001.1500	0247.3	029.4	214.3	000.1340	0360.9	020.7	61.23
123.0	001.1500	0247.0	029.4	214.3	000.1340	0360.9	021.3	60.83
124.0	001.1500	0246.9	029.4	214.3	000.1340	0361.0	021.8	60.44
125.0	001.1500	0246.9	029.4	214.3	000.1340	0361.0	022.3	60.05
126.0	001.1500	0247.2	029.4	214.3	000.1340	0361.0	022.8	59.67
127.0	001.1500	0247.9	029.4	214.3	000.1340	0360.7	023.3	59.28
128.0	001.1500	0248.8	029.5	214.2	000.1340	0360.3	023.8	58.89
129.0	001.1500	0250.1	029.5	214.2	000.1340	0359.8	024.3	58.51
130.0	001.1500	0251.4	029.6	214.1	000.1340	0359.4	024.9	58.13
131.0	001.1500	0252.4	029.7	214.1	000.1340	0359.5	025.4	57.77
132.0	001.1500	0253.2	029.7	214.2	000.1340	0359.9	025.9	57.42
133.0	001.1500	0253.7	029.7	214.3	000.1340	0360.7	026.4	57.10
134.0	001.1500	0254.1	029.8	214.4	000.1340	0361.8	026.9	56.78
135.0	001.1500	0254.3	029.8	214.6	000.1340	0363.1	027.4	56.49
136.0	001.1500	0254.4	029.8	214.8	000.1340	0364.5	027.9	56.20
137.0	001.1500	0254.5	029.8	215.0	000.1340	0366.2	028.5	55.93
138.0	001.1500	0254.4	029.8	215.3	000.1340	0367.9	029.0	55.67
139.0	001.1500	0254.0	029.8	215.5	000.1340	0369.8	029.5	55.43
140.0	001.1500	0253.4	029.7	215.8	000.1340	0371.8	030.0	55.20
141.0	001.1500	0252.8	029.7	216.1	000.1340	0373.8	030.5	54.98
142.0	001.1500	0252.1	029.6	216.5	000.1340	0375.5	030.9	54.76
143.0	001.1500	0251.3	029.6	216.8	000.1340	0377.2	031.4	54.55
144.0	001.1500	0250.4	029.6	217.2	000.1340	0379.1	031.9	54.36
145.0	001.1500	0249.4	029.5	217.5	000.1340	0381.0	032.4	54.18
146.0	001.1500	0248.4	029.4	217.9	000.1340	0383.1	032.9	54.00
147.0	001.1500	0247.3	029.4	218.3	000.1340	0385.2	033.3	53.83

FMCommander Single Allocation Study
01-18-2008

KUWYNew CH 203 A
0.134 kW 2703 M COR
Prot. = 60 dBu
Intef. = 100 dBu

KAIW CH 205 A BLED20060310AEI
0.4 kW, 2459 M COR
Prot. = 60 dBu
Intef. = 100 dBu



01-18-2008

USGS 03 SEC Terrain Data

FMOver Analysis

KUWYNew

Channel = 203A

Max ERP = 0.134 kW

RCAMSL = 2703 M

N. Lat. 41 18 36.0

W. Lng. 105 27 17.0

Protected

60 dBu

KAIW

BLED20060310AEI

Channel = 205A

Max ERP = 0.4 kW

RCAMSL = 2459 M

N. Lat. 41 17 46.0

W. Lng. 105 53 30.0

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
208.0	000.1340	0307.7	019.6	119.9	000.4000	0248.4	031.6	55.46
209.0	000.1340	0316.4	019.9	120.4	000.4000	0248.1	031.3	55.63
210.0	000.1340	0324.5	020.2	120.9	000.4000	0247.9	030.9	55.81
211.0	000.1340	0331.7	020.4	121.3	000.4000	0247.7	030.6	55.99
212.0	000.1340	0340.2	020.6	121.7	000.4000	0247.4	030.2	56.19
213.0	000.1340	0349.6	020.9	122.2	000.4000	0247.3	029.9	56.39
214.0	000.1340	0358.3	021.1	122.7	000.4000	0247.1	029.5	56.61
215.0	000.1340	0366.1	021.3	123.1	000.4000	0247.0	029.1	56.83
216.0	000.1340	0372.9	021.5	123.4	000.4000	0247.0	028.7	57.06
217.0	000.1340	0378.2	021.6	123.7	000.4000	0246.9	028.4	57.30
218.0	000.1340	0383.6	021.8	123.9	000.4000	0246.9	028.0	57.54
219.0	000.1340	0388.9	021.9	124.1	000.4000	0246.9	027.6	57.79
220.0	000.1340	0394.2	022.1	124.4	000.4000	0246.9	027.2	58.05
221.0	000.1340	0399.6	022.2	124.6	000.4000	0246.9	026.8	58.32
222.0	000.1340	0404.9	022.3	124.8	000.4000	0246.9	026.4	58.59
223.0	000.1340	0409.6	022.5	124.9	000.4000	0246.9	026.0	58.87
224.0	000.1340	0413.4	022.6	125.0	000.4000	0246.9	025.6	59.15
225.0	000.1340	0416.7	022.6	125.0	000.4000	0246.9	025.2	59.44
226.0	000.1340	0419.5	022.7	125.0	000.4000	0246.9	024.8	59.72
227.0	000.1340	0422.2	022.8	125.0	000.4000	0246.9	024.4	60.02
228.0	000.1340	0424.8	022.9	125.0	000.4000	0246.9	024.0	60.31
229.0	000.1340	0427.4	022.9	124.9	000.4000	0246.9	023.6	60.61
230.0	000.1340	0430.2	023.0	124.8	000.4000	0246.9	023.2	60.91
231.0	000.1340	0433.1	023.1	124.7	000.4000	0246.9	022.8	61.22
232.0	000.1340	0436.0	023.1	124.6	000.4000	0246.9	022.3	61.53
233.0	000.1340	0438.9	023.2	124.5	000.4000	0246.9	021.9	61.85
234.0	000.1340	0441.5	023.3	124.3	000.4000	0246.9	021.5	62.17
235.0	000.1340	0443.5	023.3	124.1	000.4000	0246.9	021.1	62.48
236.0	000.1340	0445.5	023.4	123.8	000.4000	0246.9	020.7	62.80
237.0	000.1340	0447.6	023.4	123.5	000.4000	0247.0	020.3	63.12
238.0	000.1340	0449.5	023.5	123.2	000.4000	0247.0	019.9	63.44
239.0	000.1340	0451.6	023.5	122.8	000.4000	0247.1	019.5	63.76
240.0	000.1340	0453.7	023.6	122.4	000.4000	0247.2	019.2	64.08
241.0	000.1340	0455.9	023.7	122.0	000.4000	0247.3	018.8	64.41
242.0	000.1340	0457.9	023.7	121.5	000.4000	0247.5	018.4	64.73
243.0	000.1340	0459.0	023.7	120.9	000.4000	0247.9	018.0	65.05
244.0	000.1340	0459.8	023.8	120.2	000.4000	0248.2	017.6	65.36

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
245.0	000.1340	0460.5	023.8	119.5	000.4000	0248.6	017.3	65.66
246.0	000.1340	0461.1	023.8	118.8	000.4000	0249.3	016.9	65.97
247.0	000.1340	0462.0	023.8	117.9	000.4000	0250.1	016.6	66.29
248.0	000.1340	0462.9	023.8	117.1	000.4000	0251.0	016.3	66.60
249.0	000.1340	0463.8	023.9	116.2	000.4000	0252.1	015.9	66.91
250.0	000.1340	0464.4	023.9	115.2	000.4000	0252.4	015.6	67.19
251.0	000.1340	0464.9	023.9	114.1	000.4000	0251.7	015.3	67.42
252.0	000.1340	0465.3	023.9	113.0	000.4000	0252.7	015.0	67.70
253.0	000.1340	0465.6	023.9	111.8	000.4000	0252.6	014.8	67.75
254.0	000.1340	0465.8	023.9	110.5	000.4000	0252.5	014.5	68.06
255.0	000.1340	0466.1	023.9	109.1	000.4000	0252.5	014.3	68.36
256.0	000.1340	0466.3	023.9	107.7	000.4000	0252.7	014.0	68.66
257.0	000.1340	0466.6	023.9	106.3	000.4000	0253.5	013.8	68.97
258.0	000.1340	0466.9	024.0	104.8	000.4000	0254.3	013.6	69.27
259.0	000.1340	0467.2	024.0	103.2	000.4000	0254.7	013.4	69.54
260.0	000.1340	0467.6	024.0	101.5	000.4000	0254.4	013.2	69.77
261.0	000.1340	0467.7	024.0	099.8	000.4000	0253.9	013.1	69.96
262.0	000.1340	0467.8	024.0	098.1	000.4000	0253.0	013.0	70.11
263.0	000.1340	0467.8	024.0	096.3	000.4000	0252.1	012.8	70.23
264.0	000.1340	0467.6	024.0	094.4	000.4000	0251.9	012.8	70.34
265.0	000.1340	0467.3	024.0	092.6	000.4000	0252.1	012.7	70.44
266.0	000.1340	0467.2	024.0	090.7	000.4000	0252.5	012.7	70.51
267.0	000.1340	0467.4	024.0	088.8	000.4000	0253.4	012.6	70.59
268.0	000.1340	0467.8	024.0	086.9	000.4000	0254.1	012.6	70.64
269.0	000.1340	0468.1	024.0	085.0	000.4000	0251.7	012.6	70.55
270.0	000.1340	0468.5	024.0	083.1	000.4000	0246.9	012.6	70.33
271.0	000.1340	0468.8	024.0	081.2	000.4000	0240.5	012.7	70.03
272.0	000.1340	0469.2	024.0	079.3	000.4000	0231.2	012.8	69.59
273.0	000.1340	0469.2	024.0	077.5	000.4000	0221.7	012.9	69.09
274.0	000.1340	0469.0	024.0	075.7	000.4000	0218.7	013.0	68.79
275.0	000.1340	0468.7	024.0	074.0	000.4000	0217.6	013.1	68.54
276.0	000.1340	0468.4	024.0	072.4	000.4000	0216.9	013.3	68.29
277.0	000.1340	0468.1	024.0	070.7	000.4000	0216.7	013.5	68.03
278.0	000.1340	0467.7	024.0	069.2	000.4000	0216.8	013.7	67.77
279.0	000.1340	0467.3	024.0	067.7	000.4000	0217.9	013.9	67.53
280.0	000.1340	0466.8	024.0	066.3	000.4000	0219.9	014.1	67.32
281.0	000.1340	0466.0	023.9	065.0	000.4000	0222.0	014.4	67.08
282.0	000.1340	0464.7	023.9	063.7	000.4000	0224.2	014.7	66.84
283.0	000.1340	0463.2	023.9	062.6	000.4000	0226.3	015.0	66.58
284.0	000.1340	0461.7	023.8	061.5	000.4000	0228.3	015.3	66.68
285.0	000.1340	0460.4	023.8	060.5	000.4000	0230.9	015.6	66.52
286.0	000.1340	0459.3	023.7	059.5	000.4000	0233.5	015.9	66.34
287.0	000.1340	0458.1	023.7	058.6	000.4000	0235.9	016.2	66.15
288.0	000.1340	0456.6	023.7	057.7	000.4000	0237.7	016.6	65.93
289.0	000.1340	0455.4	023.6	056.9	000.4000	0239.1	016.9	65.69
290.0	000.1340	0454.3	023.6	056.1	000.4000	0240.8	017.2	65.46
291.0	000.1340	0453.6	023.6	055.4	000.4000	0242.6	017.6	65.23
292.0	000.1340	0452.9	023.6	054.7	000.4000	0244.2	017.9	64.99
293.0	000.1340	0452.4	023.6	054.1	000.4000	0245.6	018.3	64.74
294.0	000.1340	0451.8	023.5	053.5	000.4000	0246.8	018.7	64.48
295.0	000.1340	0451.1	023.5	052.9	000.4000	0247.7	019.0	64.20

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
296.0	000.1340	0450.1	023.5	052.4	000.4000	0248.3	019.4	63.92
297.0	000.1340	0449.0	023.5	051.9	000.4000	0248.8	019.8	63.63
298.0	000.1340	0447.9	023.4	051.5	000.4000	0249.2	020.2	63.33
299.0	000.1340	0446.8	023.4	051.2	000.4000	0249.4	020.5	63.02
300.0	000.1340	0445.7	023.4	050.8	000.4000	0249.7	020.9	62.72
301.0	000.1340	0444.4	023.3	050.5	000.4000	0249.8	021.3	62.42
302.0	000.1340	0443.0	023.3	050.2	000.4000	0249.9	021.7	62.11
303.0	000.1340	0441.6	023.3	050.0	000.4000	0250.0	022.1	61.80
304.0	000.1340	0440.6	023.3	049.8	000.4000	0250.1	022.5	61.50
305.0	000.1340	0438.9	023.2	049.6	000.4000	0250.1	022.9	61.20
306.0	000.1340	0436.3	023.1	049.5	000.4000	0250.1	023.3	60.89
307.0	000.1340	0433.5	023.1	049.5	000.4000	0250.1	023.7	60.58
308.0	000.1340	0430.2	023.0	049.5	000.4000	0250.1	024.1	60.28
309.0	000.1340	0426.5	022.9	049.5	000.4000	0250.1	024.6	59.98
310.0	000.1340	0423.4	022.8	049.5	000.4000	0250.1	025.0	59.69
311.0	000.1340	0420.1	022.7	049.5	000.4000	0250.1	025.4	59.40
312.0	000.1340	0416.8	022.6	049.6	000.4000	0250.1	025.8	59.11
313.0	000.1340	0413.4	022.6	049.7	000.4000	0250.1	026.2	58.84
314.0	000.1340	0410.1	022.5	049.8	000.4000	0250.1	026.6	58.56
315.0	000.1340	0406.6	022.4	049.9	000.4000	0250.0	027.0	58.29
316.0	000.1340	0402.5	022.3	050.0	000.4000	0250.0	027.4	58.03
317.0	000.1340	0397.9	022.2	050.2	000.4000	0250.0	027.8	57.77
318.0	000.1340	0393.4	022.0	050.4	000.4000	0249.8	028.2	57.52
319.0	000.1340	0388.8	021.9	050.6	000.4000	0249.7	028.5	57.27
320.0	000.1340	0384.3	021.8	050.8	000.4000	0249.6	028.9	57.03
321.0	000.1340	0380.0	021.7	051.1	000.4000	0249.5	029.3	56.79
322.0	000.1340	0375.4	021.6	051.3	000.4000	0249.3	029.7	56.56
323.0	000.1340	0371.0	021.5	051.5	000.4000	0249.2	030.1	56.34
324.0	000.1340	0365.8	021.3	051.8	000.4000	0249.0	030.4	56.12
325.0	000.1340	0360.0	021.2	052.1	000.4000	0248.6	030.8	55.91
326.0	000.1340	0354.4	021.0	052.4	000.4000	0248.3	031.2	55.70
327.0	000.1340	0348.8	020.9	052.8	000.4000	0247.9	031.5	55.50
328.0	000.1340	0342.5	020.7	053.1	000.4000	0247.3	031.9	55.30

01-18-2008 USGS 03 SEC Terrain Data

KAIW BLED20060310AEI
 Channel = 205A
 Max ERP = 0.4 kW
 RCAMSL = 2459 M
 N. Lat. 41 17 46.0
 W. Lng. 105 53 30.0
 Protected
 60 dBu

KUWYNew
 Channel = 203A
 Max ERP = 0.134 kW
 RCAMSL = 2703 M
 N. Lat. 41 18 36.0
 W. Lng. 105 27 17.0
 Interfering
 100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
027.0	000.4000	0251.6	023.2	306.5	000.1340	0435.0	032.2	55.59
028.0	000.4000	0252.0	023.2	306.6	000.1340	0434.6	031.8	55.78
029.0	000.4000	0252.4	023.2	306.8	000.1340	0434.2	031.4	55.97
030.0	000.4000	0252.7	023.2	306.9	000.1340	0433.8	031.0	56.17
031.0	000.4000	0252.9	023.3	307.0	000.1340	0433.6	030.6	56.38
032.0	000.4000	0253.0	023.3	307.0	000.1340	0433.3	030.2	56.59
033.0	000.4000	0253.0	023.3	307.1	000.1340	0433.1	029.8	56.81
034.0	000.4000	0252.9	023.3	307.1	000.1340	0433.0	029.4	57.04
035.0	000.4000	0252.8	023.3	307.2	000.1340	0432.9	029.0	57.27
036.0	000.4000	0252.6	023.2	307.2	000.1340	0433.0	028.6	57.51
037.0	000.4000	0252.1	023.2	307.1	000.1340	0433.1	028.2	57.76
038.0	000.4000	0251.7	023.2	307.1	000.1340	0433.2	027.8	58.01
039.0	000.4000	0251.2	023.2	307.0	000.1340	0433.4	027.4	58.27
040.0	000.4000	0250.9	023.2	306.9	000.1340	0433.6	027.0	58.53
041.0	000.4000	0250.7	023.2	306.9	000.1340	0433.8	026.6	58.80
042.0	000.4000	0250.5	023.2	306.8	000.1340	0434.1	026.2	59.07
043.0	000.4000	0250.3	023.1	306.7	000.1340	0434.5	025.8	59.35
044.0	000.4000	0250.0	023.1	306.5	000.1340	0434.9	025.4	59.63
045.0	000.4000	0249.9	023.1	306.4	000.1340	0435.3	025.0	59.91
046.0	000.4000	0249.9	023.1	306.2	000.1340	0435.7	024.6	60.19
047.0	000.4000	0249.9	023.1	306.1	000.1340	0436.2	024.2	60.48
048.0	000.4000	0250.0	023.1	305.9	000.1340	0436.7	023.8	60.78
049.0	000.4000	0250.1	023.1	305.7	000.1340	0437.3	023.4	61.08
050.0	000.4000	0250.0	023.1	305.4	000.1340	0438.0	023.0	61.37
051.0	000.4000	0249.5	023.1	305.1	000.1340	0438.8	022.6	61.67
052.0	000.4000	0248.8	023.1	304.7	000.1340	0439.6	022.2	61.97
053.0	000.4000	0247.5	023.0	304.2	000.1340	0440.4	021.9	62.26
054.0	000.4000	0245.7	022.9	303.7	000.1340	0440.9	021.5	62.54
055.0	000.4000	0243.5	022.8	303.0	000.1340	0441.5	021.2	62.81
056.0	000.4000	0241.1	022.7	302.4	000.1340	0442.4	020.9	63.07
057.0	000.4000	0238.9	022.6	301.7	000.1340	0443.5	020.6	63.34
058.0	000.4000	0237.2	022.6	301.0	000.1340	0444.5	020.2	63.60
059.0	000.4000	0234.7	022.4	300.1	000.1340	0445.6	019.9	63.85
060.0	000.4000	0232.1	022.3	299.3	000.1340	0446.5	019.7	64.09

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
061.0	000.4000	0229.5	022.2	298.4	000.1340	0447.5	019.4	64.32
062.0	000.4000	0227.3	022.1	297.5	000.1340	0448.5	019.1	64.55
063.0	000.4000	0225.5	022.0	296.6	000.1340	0449.5	018.9	64.77
064.0	000.4000	0223.7	021.9	295.7	000.1340	0450.5	018.6	64.99
065.0	000.4000	0221.9	021.9	294.7	000.1340	0451.3	018.4	65.20
066.0	000.4000	0220.3	021.8	293.7	000.1340	0452.0	018.2	65.40
067.0	000.4000	0218.8	021.7	292.8	000.1340	0452.5	017.9	65.59
068.0	000.4000	0217.6	021.7	291.8	000.1340	0453.1	017.7	65.78
069.0	000.4000	0216.9	021.6	290.8	000.1340	0453.7	017.5	65.98
070.0	000.4000	0216.6	021.6	289.8	000.1340	0454.5	017.2	66.19
071.0	000.4000	0216.7	021.6	288.8	000.1340	0455.6	017.0	66.40
072.0	000.4000	0216.8	021.6	287.8	000.1340	0456.9	016.8	66.61
073.0	000.4000	0217.0	021.6	286.7	000.1340	0458.4	016.6	66.81
074.0	000.4000	0217.5	021.6	285.7	000.1340	0459.7	016.3	67.02
075.0	000.4000	0218.2	021.7	284.6	000.1340	0460.9	016.1	67.21
076.0	000.4000	0218.9	021.7	283.4	000.1340	0462.5	015.9	67.41
077.0	000.4000	0220.3	021.8	282.3	000.1340	0464.3	015.7	67.63
078.0	000.4000	0223.7	021.9	281.3	000.1340	0465.7	015.4	67.90
079.0	000.4000	0229.0	022.2	280.3	000.1340	0466.6	015.0	68.23
080.0	000.4000	0234.9	022.5	279.2	000.1340	0467.2	014.6	68.43
081.0	000.4000	0239.6	022.7	278.0	000.1340	0467.7	014.3	68.82
082.0	000.4000	0243.2	022.8	276.6	000.1340	0468.2	014.0	69.13
083.0	000.4000	0246.6	023.0	275.1	000.1340	0468.7	013.8	69.42
084.0	000.4000	0249.4	023.1	273.6	000.1340	0469.1	013.6	69.66
085.0	000.4000	0251.8	023.2	271.9	000.1340	0469.2	013.4	69.85
086.0	000.4000	0253.3	023.3	270.2	000.1340	0468.5	013.3	69.97
087.0	000.4000	0254.1	023.3	268.5	000.1340	0468.0	013.3	70.03
088.0	000.4000	0254.0	023.3	266.7	000.1340	0467.3	013.3	70.01
089.0	000.4000	0253.2	023.3	265.0	000.1340	0467.3	013.4	69.95
090.0	000.4000	0252.6	023.2	263.3	000.1340	0467.7	013.4	69.87
091.0	000.4000	0252.4	023.2	261.6	000.1340	0467.8	013.5	69.79
092.0	000.4000	0252.1	023.2	259.9	000.1340	0467.5	013.6	69.68
093.0	000.4000	0252.1	023.2	258.2	000.1340	0467.0	013.7	69.55
094.0	000.4000	0252.0	023.2	256.6	000.1340	0466.4	013.8	69.40
095.0	000.4000	0251.8	023.2	255.0	000.1340	0466.1	013.9	69.23
096.0	000.4000	0252.0	023.2	253.5	000.1340	0465.7	014.1	69.05
097.0	000.4000	0252.5	023.2	251.9	000.1340	0465.2	014.2	68.88
098.0	000.4000	0253.0	023.3	250.4	000.1340	0464.6	014.4	68.67
099.0	000.4000	0253.5	023.3	249.0	000.1340	0463.8	014.5	68.46
100.0	000.4000	0254.0	023.3	247.6	000.1340	0462.5	014.7	68.21
101.0	000.4000	0254.2	023.3	246.3	000.1340	0461.3	015.0	67.95
102.0	000.4000	0254.6	023.3	245.0	000.1340	0460.4	015.2	67.97
103.0	000.4000	0254.7	023.3	243.8	000.1340	0459.7	015.4	67.75
104.0	000.4000	0254.5	023.3	242.7	000.1340	0458.7	015.7	67.51
105.0	000.4000	0254.2	023.3	241.6	000.1340	0457.3	016.0	67.25
106.0	000.4000	0253.6	023.3	240.6	000.1340	0455.1	016.3	66.97
107.0	000.4000	0253.1	023.3	239.7	000.1340	0453.1	016.6	66.68
108.0	000.4000	0252.6	023.2	238.9	000.1340	0451.3	016.9	66.39
109.0	000.4000	0252.5	023.2	238.0	000.1340	0449.5	017.2	66.10
110.0	000.4000	0252.5	023.2	237.2	000.1340	0447.9	017.6	65.81
111.0	000.4000	0252.5	023.2	236.4	000.1340	0446.4	017.9	65.52

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
112.0	000.4000	0252.5	023.2	235.7	000.1340	0444.9	018.2	65.22
113.0	000.4000	0252.7	023.2	235.0	000.1340	0443.4	018.6	64.92
114.0	000.4000	0251.7	023.2	234.5	000.1340	0442.4	018.9	64.60
115.0	000.4000	0252.3	023.2	233.8	000.1340	0441.0	019.3	64.30
116.0	000.4000	0252.3	023.2	233.2	000.1340	0439.6	019.6	63.99
117.0	000.4000	0251.1	023.2	232.9	000.1340	0438.5	020.0	63.67
118.0	000.4000	0250.1	023.1	232.5	000.1340	0437.4	020.4	63.34
119.0	000.4000	0249.0	023.1	232.2	000.1340	0436.4	020.8	63.02
120.0	000.4000	0248.3	023.1	231.8	000.1340	0435.4	021.2	62.71
121.0	000.4000	0247.8	023.0	231.5	000.1340	0434.5	021.5	62.39
122.0	000.4000	0247.3	023.0	231.2	000.1340	0433.6	021.9	62.08
123.0	000.4000	0247.0	023.0	230.9	000.1340	0432.8	022.3	61.77
124.0	000.4000	0246.9	023.0	230.6	000.1340	0432.0	022.7	61.47
125.0	000.4000	0246.9	023.0	230.3	000.1340	0431.2	023.1	61.17
126.0	000.4000	0247.2	023.0	230.1	000.1340	0430.3	023.5	60.87
127.0	000.4000	0247.9	023.0	229.8	000.1340	0429.5	023.9	60.57
128.0	000.4000	0248.8	023.1	229.5	000.1340	0428.7	024.2	60.28
129.0	000.4000	0250.1	023.1	229.2	000.1340	0427.9	024.6	59.99
130.0	000.4000	0251.4	023.2	228.9	000.1340	0427.1	025.0	59.70
131.0	000.4000	0252.4	023.2	228.7	000.1340	0426.6	025.4	59.42
132.0	000.4000	0253.2	023.3	228.5	000.1340	0426.1	025.8	59.14
133.0	000.4000	0253.7	023.3	228.4	000.1340	0425.7	026.2	58.86
134.0	000.4000	0254.1	023.3	228.3	000.1340	0425.5	026.6	58.59
135.0	000.4000	0254.3	023.3	228.2	000.1340	0425.3	027.0	58.32
136.0	000.4000	0254.4	023.3	228.1	000.1340	0425.2	027.4	58.06
137.0	000.4000	0254.5	023.3	228.1	000.1340	0425.1	027.8	57.80
138.0	000.4000	0254.4	023.3	228.1	000.1340	0425.1	028.2	57.55
139.0	000.4000	0254.0	023.3	228.2	000.1340	0425.2	028.6	57.31
140.0	000.4000	0253.4	023.3	228.2	000.1340	0425.4	029.1	57.07
141.0	000.4000	0252.8	023.2	228.3	000.1340	0425.6	029.5	56.84
142.0	000.4000	0252.1	023.2	228.4	000.1340	0425.9	029.9	56.62
143.0	000.4000	0251.3	023.2	228.5	000.1340	0426.2	030.3	56.41
144.0	000.4000	0250.4	023.1	228.7	000.1340	0426.6	030.7	56.20
145.0	000.4000	0249.4	023.1	228.8	000.1340	0427.0	031.1	56.00
146.0	000.4000	0248.4	023.1	229.0	000.1340	0427.4	031.5	55.81
147.0	000.4000	0247.3	023.0	229.2	000.1340	0427.9	031.8	55.62