

Charleston, Illinois CP
Illinois Bible Institute

REFERENCE CH# 201A - 88.1 MHz, Pwr= 2.1 kW, HAAT= 69.9 M, COR= 271.5 M
39 28 38.0 N.
88 08 25.0 W.
Average Protected F(50-50)= 18.62 km

DISPLAY DATES
DATA 07-18-07
SEARCH 07-18-07

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
06Z1C Indianapolis	WRTV	LI	_HY	73.6 254.8	172.82 BMLCT20050414ABE	39 53 56.5 86 12 03.7	100.000 279	534	101.1 Mcgraw-hill	264.5R	-91.7M Broadcasting C
201A Charleston	960905MA	CP	_CN	275.0 95.0	1.78 BPED19960905MA	39 28 43.0 88 09 39.0	2.500 54	58.1 256	15.2 Illinois Bible Institute I	-74.53*<	-76.52*<***
06+2C Paducah	WPSDTV	LI	_HY	196.4 15.8	264.11 BMLCT20040227ABE	37 11 31.0 88 58 53.0	100.000 482	596	119.8 Wpsd-tv, Lic	264.5R	-0.4M
201A Decatur	WNLD	LIC	DCN	297.2 116.6	81.90 BLED19941202KA	39 48 35.0 88 59 31.0	1.000 93	56.8 291	16.8 Illinois Bible Institute	6.10	0.42
202B Ramsey	WJLY	LIC	DCN	245.6 65.0	91.13 BLED19990303KA	39 08 06.0 89 06 02.0	25.000 153	69.5 330	46.8 CountrySide Broadcasting	4.14	18.56
201A Olney	WPTH	LIC	_CX	174.1 354.2	87.05 BLED20050916ABH	38 41 50.0 88 02 13.0	1.000 62	49.2 205	13.7 Olney Voice Of Christian F	18.81	8.77
201B1 Danville	WDVL	CP	DVN	72.4 253.3	120.27 BPED19990311MF	39 47 44.0 86 48 04.0	10.000 125	85.9 382	29.0 Horizon Christian Fellowsh	16.68	29.07
255A Neoga	WHQQ	LIC	_CX	219.2 39.1	32.63 BLH20060329ADI	39 14 59.0 88 22 48.0	3.200 138	11.6 323	55.1 Wshy, Inc.	9.5R	23.1M
203A Terre Haute	WCRT-FM	LIC	DCN	86.9 267.4	60.01 BLED19951020KB	39 30 14.0 87 26 37.0	1.050 98	0.5 262	8.5 Illinois Bible Institute	43.38	49.86
204B1 Champaign	WPCD	LIC	_C_	350.8 170.7	84.04 BLED19990916AAE	40 13 27.0 88 17 56.0	10.500 103	3.1 326	31.1 Parkland College	62.62	51.15
06+2C Davenport	KWQCTV	LI	_HY	320.1 138.6	303.35 BLCT19821108KN	41 32 49.0 90 28 35.0	100.000 408	611	113.5 Young Broadcasting Of Dave	140.8R	162.5M

Terrain database is NGDC 30 SEC

ERP and HAAT are on direct line to and from reference station.

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

*** = Applicant's original construction permit

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 predicted from the F(50-50) table except when 10 miles or greater the contours are predicted from the Commission's F(50-10) table. Contour distances are in kilometers and are calculated using the Commission's TVFMINT FORTRAN subroutine (converted to C). 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. For these allocation studies the N.G.D.C. 30 arc-second terrain elevation database was 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 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 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 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 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".

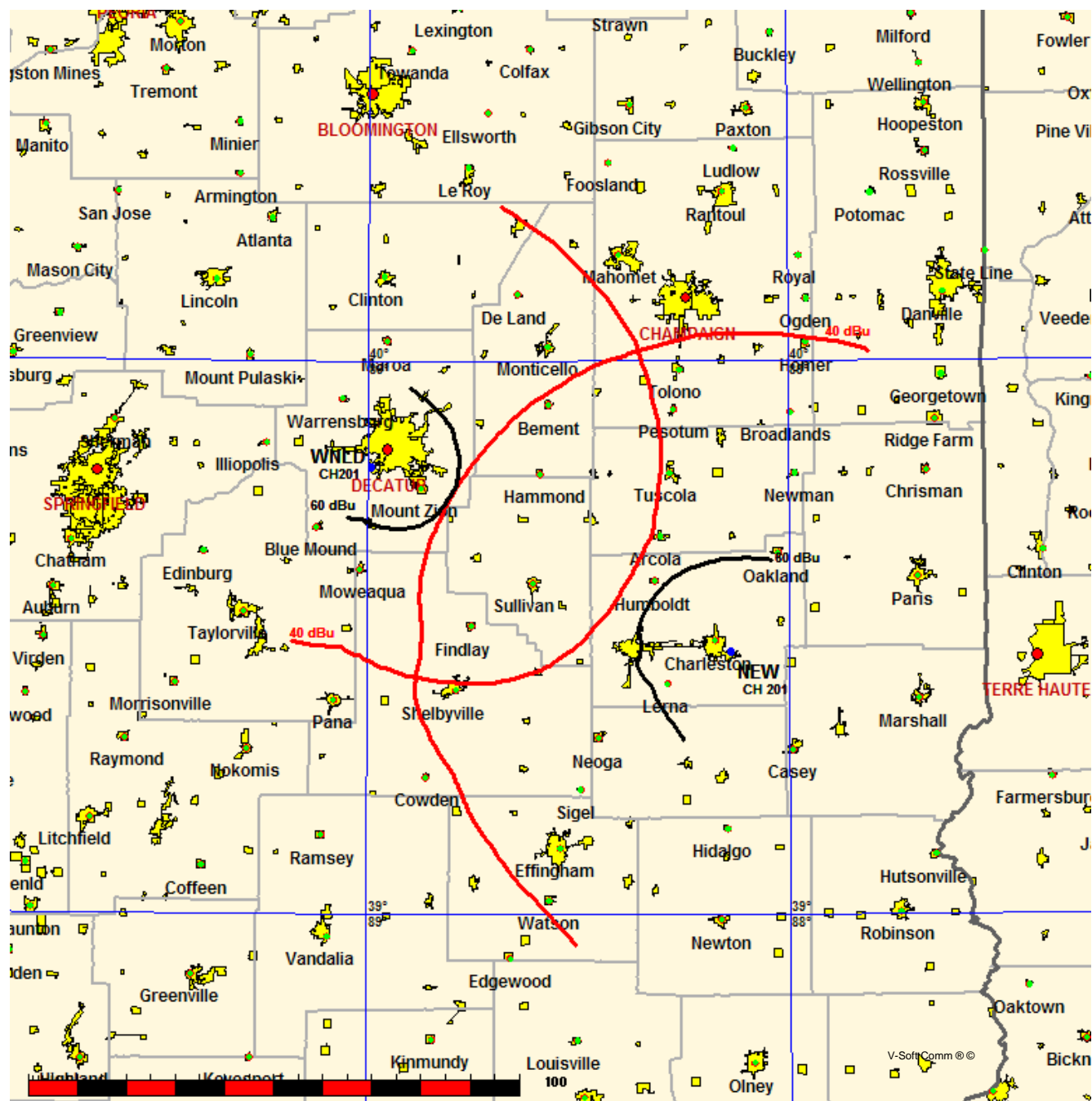
Charleston CP vs co-channel WNLD
Illinois Bible Institute

FMCommander Single Allocation Study
07-18-2007

NEW CH 201 A
2.1 kW 271.5 M COR
Prot. = 60 dBu
Intef. = 40 dBu

WNLD CH 201 A BLED19941202KA
1.0 kW, 291 M COR DA
Prot. = 60 dBu
Intef. = 40 dBu

Scale = 1:2,000,000



07-18-2007

NGDC 30 SEC Terrain Data

FMOver Analysis

NEW

Channel = 201A

Max ERP = 2.1 kW

RCAMSL = 271.5 M

N. Lat. 39 28 38.0

W. Lng. 88 08 25.0

Protected

60 dBu

WNLD

BLED19941202KA

Channel = 201A

Max ERP = 1 kW

RCAMSL = 291 M

N. Lat. 39 48 35.0

W. Lng. 88 59 31.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
237.0	002.1000	0064.5	017.9	128.7	000.8912	0083.8	074.5	34.23
238.0	002.1000	0064.3	017.9	128.6	000.8918	0083.8	074.3	34.31
239.0	002.1000	0063.9	017.8	128.4	000.8925	0083.8	074.0	34.39
240.0	002.1000	0063.3	017.7	128.3	000.8933	0083.8	073.7	34.46
241.0	002.1000	0062.7	017.6	128.1	000.8942	0083.7	073.5	34.54
242.0	002.1000	0062.1	017.6	128.0	000.8950	0083.7	073.2	34.61
243.0	002.1000	0061.7	017.5	127.8	000.8958	0083.7	073.0	34.68
244.0	002.1000	0061.5	017.5	127.7	000.8965	0083.7	072.7	34.76
245.0	002.1000	0061.5	017.5	127.6	000.8971	0083.7	072.4	34.84
246.0	002.1000	0061.7	017.5	127.5	000.8976	0083.7	072.1	34.92
247.0	002.1000	0062.2	017.6	127.5	000.8980	0083.7	071.8	35.01
248.0	002.1000	0062.9	017.7	127.4	000.8983	0083.7	071.5	35.09
249.0	002.1000	0063.7	017.8	127.3	000.8986	0083.7	071.2	35.19
250.0	002.1000	0064.6	017.9	127.3	000.8989	0083.7	070.9	35.28
251.0	002.1000	0065.6	018.0	127.2	000.8992	0083.7	070.5	35.37
252.0	002.1000	0066.6	018.2	127.2	000.8995	0083.7	070.2	35.47
253.0	002.1000	0067.6	018.3	127.1	000.8998	0083.7	069.9	35.57
254.0	002.1000	0068.5	018.4	127.1	000.9002	0083.7	069.5	35.66
255.0	002.1000	0069.2	018.5	127.0	000.9008	0083.7	069.2	35.75
256.0	002.1000	0070.0	018.6	126.9	000.9013	0083.7	068.9	35.85
257.0	002.1000	0070.9	018.7	126.8	000.9019	0083.6	068.6	35.94
258.0	002.1000	0071.8	018.9	126.7	000.9025	0083.6	068.2	36.04
259.0	002.1000	0072.7	019.0	126.6	000.9031	0083.6	067.9	36.13
260.0	002.1000	0073.1	019.0	126.4	000.9040	0083.6	067.6	36.22
261.0	002.1000	0073.5	019.1	126.2	000.9049	0083.6	067.4	36.30
262.0	002.1000	0073.3	019.1	126.0	000.9062	0083.6	067.1	36.37
263.0	002.1000	0073.1	019.0	125.8	000.9075	0083.6	066.9	36.43
264.0	002.1000	0072.6	019.0	125.6	000.9089	0083.7	066.8	36.49
265.0	002.1000	0071.6	018.8	125.3	000.9105	0083.7	066.6	36.53
266.0	002.1000	0070.4	018.7	125.0	000.9122	0083.7	066.5	36.57
267.0	002.1000	0069.3	018.5	124.7	000.9139	0083.7	066.5	36.61
268.0	002.1000	0068.3	018.4	124.4	000.9156	0083.8	066.4	36.64
269.0	002.1000	0067.4	018.3	124.1	000.9173	0083.8	066.3	36.68
270.0	002.1000	0067.1	018.2	123.8	000.9187	0083.9	066.1	36.73
271.0	002.1000	0066.7	018.2	123.6	000.9201	0084.0	066.0	36.78
272.0	002.1000	0066.4	018.2	123.3	000.9216	0084.0	065.9	36.83
273.0	002.1000	0066.1	018.1	123.1	000.9231	0084.1	065.7	36.88

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
274.0	002.1000	0066.3	018.1	122.8	000.9244	0084.2	065.6	36.94
275.0	002.1000	0066.9	018.2	122.6	000.9256	0084.2	065.3	37.02
276.0	002.1000	0067.9	018.4	122.4	000.9267	0084.3	065.1	37.10
277.0	002.1000	0068.9	018.5	122.2	000.9279	0084.3	064.8	37.19
278.0	002.1000	0069.8	018.6	122.0	000.9292	0084.4	064.6	37.27
279.0	002.1000	0070.6	018.7	121.8	000.9305	0084.4	064.3	37.34
280.0	002.1000	0071.4	018.8	121.6	000.9318	0084.5	064.1	37.42
281.0	002.1000	0072.0	018.9	121.3	000.9333	0084.6	063.9	37.49
282.0	002.1000	0072.5	019.0	121.1	000.9348	0084.6	063.7	37.55
283.0	002.1000	0073.0	019.0	120.8	000.9363	0084.7	063.6	37.61
284.0	002.1000	0073.2	019.1	120.5	000.9379	0084.7	063.4	37.66
285.0	002.1000	0073.4	019.1	120.2	000.9396	0084.8	063.3	37.71
286.0	002.1000	0073.7	019.1	119.9	000.9412	0084.8	063.2	37.75
287.0	002.1000	0073.9	019.1	119.7	000.9429	0084.8	063.1	37.79
288.0	002.1000	0073.9	019.2	119.4	000.9446	0084.8	063.0	37.83
289.0	002.1000	0073.9	019.2	119.1	000.9464	0084.8	063.0	37.86
290.0	002.1000	0073.9	019.1	118.8	000.9481	0084.9	062.9	37.88
291.0	002.1000	0073.8	019.1	118.5	000.9499	0084.9	062.9	37.90
292.0	002.1000	0073.6	019.1	118.2	000.9517	0084.9	062.8	37.92
293.0	002.1000	0073.4	019.1	117.8	000.9535	0084.9	062.8	37.93
294.0	002.1000	0073.3	019.1	117.5	000.9553	0084.9	062.8	37.94
295.0	002.1000	0073.2	019.1	117.2	000.9570	0085.0	062.8	37.95
296.0	002.1000	0073.1	019.0	116.9	000.9588	0085.0	062.8	37.96
297.0	002.1000	0073.1	019.0	116.6	000.9606	0085.0	062.8	37.97
298.0	002.1000	0073.1	019.0	116.3	000.9624	0085.0	062.8	37.98
299.0	002.1000	0073.0	019.0	116.0	000.9642	0085.0	062.8	37.98
300.0	002.1000	0073.0	019.0	115.7	000.9660	0085.1	062.9	37.98
301.0	002.1000	0072.9	019.0	115.4	000.9677	0085.1	062.9	37.98
302.0	002.1000	0072.7	019.0	115.1	000.9695	0085.1	063.0	37.97
303.0	002.1000	0072.4	019.0	114.8	000.9713	0085.2	063.0	37.96
304.0	002.1000	0072.1	018.9	114.5	000.9730	0085.3	063.1	37.95
305.0	002.1000	0071.8	018.9	114.2	000.9747	0085.3	063.2	37.93
306.0	002.1000	0071.6	018.8	114.0	000.9764	0085.4	063.3	37.92
307.0	002.1000	0071.4	018.8	113.7	000.9781	0085.5	063.4	37.90
308.0	002.1000	0071.3	018.8	113.4	000.9798	0085.6	063.5	37.89
309.0	002.1000	0071.2	018.8	113.1	000.9815	0085.7	063.6	37.87
310.0	002.1000	0071.1	018.8	112.8	000.9832	0085.8	063.7	37.85
311.0	002.1000	0070.9	018.8	112.5	000.9848	0085.9	063.8	37.83
312.0	002.1000	0070.8	018.7	112.3	000.9864	0085.9	064.0	37.80
313.0	002.1000	0070.8	018.7	112.0	000.9881	0086.0	064.1	37.79
314.0	002.1000	0071.0	018.8	111.7	000.9898	0086.1	064.2	37.77
315.0	002.1000	0071.1	018.8	111.4	000.9914	0086.2	064.3	37.75
316.0	002.1000	0071.0	018.8	111.2	000.9930	0086.2	064.4	37.72
317.0	002.1000	0070.8	018.7	110.9	000.9945	0086.3	064.6	37.68
318.0	002.1000	0070.6	018.7	110.7	000.9960	0086.3	064.7	37.64
319.0	002.1000	0070.5	018.7	110.4	000.9975	0086.4	064.9	37.60
320.0	002.1000	0070.3	018.7	110.2	000.9990	0086.4	065.1	37.56
321.0	002.1000	0070.2	018.7	109.9	001.0000	0086.5	065.3	37.52
322.0	002.1000	0070.1	018.6	109.7	001.0000	0086.6	065.4	37.47
323.0	002.1000	0069.9	018.6	109.5	001.0000	0086.6	065.6	37.41
324.0	002.1000	0069.7	018.6	109.2	001.0000	0086.7	065.8	37.36

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
325.0	002.1000	0069.5	018.6	109.0	001.0000	0086.8	066.0	37.31
326.0	002.1000	0069.3	018.5	108.8	001.0000	0086.9	066.3	37.25
327.0	002.1000	0069.0	018.5	108.6	001.0000	0087.0	066.5	37.19
328.0	002.1000	0068.9	018.5	108.4	001.0000	0087.1	066.7	37.14
329.0	002.1000	0069.0	018.5	108.2	001.0000	0087.3	066.9	37.09
330.0	002.1000	0069.0	018.5	108.0	001.0000	0087.4	067.1	37.04
331.0	002.1000	0069.0	018.5	107.8	001.0000	0087.5	067.3	36.98
332.0	002.1000	0069.0	018.5	107.6	001.0000	0087.7	067.6	36.93
333.0	002.1000	0069.0	018.5	107.4	001.0000	0087.8	067.8	36.87
334.0	002.1000	0068.9	018.5	107.2	001.0000	0087.9	068.0	36.81
335.0	002.1000	0068.7	018.5	107.0	001.0000	0088.1	068.3	36.74
336.0	002.1000	0068.3	018.4	106.9	001.0000	0088.2	068.5	36.67
337.0	002.1000	0067.9	018.4	106.7	001.0000	0088.3	068.8	36.60
338.0	002.1000	0067.5	018.3	106.6	001.0000	0088.4	069.1	36.52
339.0	002.1000	0067.1	018.3	106.5	001.0000	0088.6	069.4	36.45
340.0	002.1000	0067.1	018.2	106.3	001.0000	0088.7	069.7	36.39
341.0	002.1000	0067.1	018.2	106.2	001.0000	0088.9	069.9	36.32
342.0	002.1000	0067.1	018.2	106.0	001.0000	0089.0	070.2	36.26
343.0	002.1000	0067.1	018.3	105.8	001.0000	0089.2	070.4	36.19
344.0	002.1000	0067.3	018.3	105.7	001.0000	0089.3	070.7	36.13
345.0	002.1000	0067.4	018.3	105.5	001.0000	0089.5	070.9	36.06
346.0	002.1000	0067.5	018.3	105.4	001.0000	0089.6	071.2	35.99
347.0	002.1000	0067.4	018.3	105.3	001.0000	0089.8	071.5	35.92
348.0	002.1000	0067.3	018.3	105.2	001.0000	0089.9	071.8	35.85
349.0	002.1000	0067.4	018.3	105.1	001.0000	0090.0	072.1	35.78
350.0	002.1000	0067.5	018.3	104.9	001.0000	0090.2	072.4	35.70
351.0	002.1000	0067.7	018.3	104.8	001.0000	0090.4	072.6	35.63
352.0	002.1000	0068.2	018.4	104.7	001.0000	0090.5	072.9	35.57
353.0	002.1000	0068.7	018.5	104.5	001.0000	0090.7	073.2	35.50
354.0	002.1000	0069.3	018.5	104.4	001.0000	0090.9	073.4	35.43
355.0	002.1000	0069.5	018.6	104.3	001.0000	0091.0	073.7	35.36
356.0	002.1000	0069.5	018.6	104.2	001.0000	0091.1	074.0	35.28
357.0	002.1000	0069.5	018.6	104.1	001.0000	0091.1	074.4	35.19

07-18-2007 NGDC 30 SEC Terrain Data

WNLD BLED19941202KA
 Channel = 201A
 Max ERP = 1 kW
 RCAMSL = 291 M
 N. Lat. 39 48 35.0
 W. Lng. 88 59 31.0
 Protected
 60 dBu

NEW
 Channel = 201A
 Max ERP = 2.1 kW
 RCAMSL = 271.5 M
 N. Lat. 39 28 38.0
 W. Lng. 88 08 25.0
 Interfering
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
057.0	001.0000	0092.7	017.8	309.1	002.1000	0071.2	074.5	37.23
058.0	001.0000	0092.7	017.8	309.0	002.1000	0071.2	074.2	37.31
059.0	001.0000	0092.6	017.8	308.9	002.1000	0071.2	073.9	37.39
060.0	001.0000	0092.8	017.8	308.8	002.1000	0071.2	073.6	37.47
061.0	001.0000	0093.0	017.9	308.8	002.1000	0071.2	073.3	37.55
062.0	001.0000	0093.5	017.9	308.7	002.1000	0071.2	073.0	37.63
063.0	001.0000	0094.0	018.0	308.6	002.1000	0071.3	072.7	37.71
064.0	001.0000	0094.4	018.0	308.6	002.1000	0071.3	072.4	37.79
065.0	001.0000	0094.7	018.0	308.5	002.1000	0071.3	072.1	37.87
066.0	001.0000	0094.6	018.0	308.3	002.1000	0071.3	071.8	37.95
067.0	001.0000	0094.3	018.0	308.2	002.1000	0071.3	071.6	38.01
068.0	001.0000	0093.8	017.9	308.0	002.1000	0071.3	071.3	38.08
069.0	001.0000	0093.3	017.9	307.9	002.1000	0071.3	071.1	38.15
070.0	001.0000	0093.0	017.9	307.7	002.1000	0071.3	070.9	38.21
071.0	001.0000	0092.8	017.8	307.6	002.1000	0071.4	070.6	38.28
072.0	001.0000	0092.8	017.8	307.4	002.1000	0071.4	070.4	38.35
073.0	001.0000	0092.7	017.8	307.3	002.1000	0071.4	070.1	38.42
074.0	001.0000	0092.7	017.8	307.1	002.1000	0071.4	069.9	38.48
075.0	001.0000	0092.6	017.8	306.9	002.1000	0071.4	069.6	38.55
076.0	001.0000	0092.3	017.8	306.8	002.1000	0071.4	069.4	38.61
077.0	001.0000	0092.3	017.8	306.6	002.1000	0071.5	069.2	38.67
078.0	001.0000	0092.4	017.8	306.4	002.1000	0071.5	068.9	38.74
079.0	001.0000	0092.6	017.8	306.3	002.1000	0071.5	068.7	38.81
080.0	001.0000	0093.0	017.9	306.1	002.1000	0071.6	068.4	38.88
081.0	001.0000	0093.4	017.9	305.9	002.1000	0071.6	068.2	38.95
082.0	001.0000	0093.6	017.9	305.8	002.1000	0071.6	067.9	39.01
083.0	001.0000	0093.6	017.9	305.6	002.1000	0071.7	067.7	39.07
084.0	001.0000	0093.7	017.9	305.4	002.1000	0071.7	067.5	39.13
085.0	001.0000	0093.7	017.9	305.2	002.1000	0071.8	067.3	39.19
086.0	001.0000	0093.6	017.9	305.0	002.1000	0071.8	067.1	39.25
087.0	001.0000	0093.4	017.9	304.7	002.1000	0071.9	066.9	39.30
088.0	001.0000	0093.2	017.9	304.5	002.1000	0071.9	066.8	39.35
089.0	001.0000	0093.0	017.9	304.3	002.1000	0072.0	066.6	39.40
090.0	001.0000	0092.7	017.8	304.0	002.1000	0072.1	066.5	39.44

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
091.0	001.0000	0092.5	017.8	303.8	002.1000	0072.1	066.3	39.49
092.0	001.0000	0092.1	017.8	303.6	002.1000	0072.2	066.2	39.53
093.0	001.0000	0091.8	017.7	303.3	002.1000	0072.3	066.1	39.57
094.0	001.0000	0091.5	017.7	303.1	002.1000	0072.4	065.9	39.61
095.0	001.0000	0091.6	017.7	302.8	002.1000	0072.4	065.8	39.66
096.0	001.0000	0091.6	017.7	302.6	002.1000	0072.5	065.7	39.70
097.0	001.0000	0091.5	017.7	302.3	002.1000	0072.6	065.5	39.74
098.0	001.0000	0091.2	017.7	302.1	002.1000	0072.6	065.4	39.77
099.0	001.0000	0090.8	017.6	301.8	002.1000	0072.7	065.4	39.79
100.0	001.0000	0091.1	017.6	301.6	002.1000	0072.8	065.2	39.84
101.0	001.0000	0091.6	017.7	301.3	002.1000	0072.8	065.1	39.88
102.0	001.0000	0091.9	017.7	301.1	002.1000	0072.9	064.9	39.92
103.0	001.0000	0091.9	017.7	300.8	002.1000	0072.9	064.8	39.95
104.0	001.0000	0091.2	017.7	300.6	002.1000	0072.9	064.8	39.96
105.0	001.0000	0090.1	017.5	300.3	002.1000	0073.0	064.8	39.95
106.0	001.0000	0089.0	017.4	300.0	002.1000	0073.0	064.9	39.94
107.0	001.0000	0088.1	017.3	299.7	002.1000	0073.0	064.9	39.93
108.0	001.0000	0087.4	017.2	299.4	002.1000	0073.0	064.9	39.93
109.0	001.0000	0086.8	017.2	299.1	002.1000	0073.0	065.0	39.93
110.0	001.0000	0086.5	017.1	298.9	002.1000	0073.0	064.9	39.93
111.0	000.9940	0086.3	017.1	298.6	002.1000	0073.0	065.0	39.93
112.0	000.9880	0086.0	017.0	298.3	002.1000	0073.0	065.0	39.92
113.0	000.9821	0085.7	017.0	298.1	002.1000	0073.1	065.0	39.91
114.0	000.9761	0085.4	016.9	297.8	002.1000	0073.1	065.1	39.90
115.0	000.9702	0085.2	016.8	297.6	002.1000	0073.1	065.1	39.89
116.0	000.9643	0085.0	016.8	297.3	002.1000	0073.1	065.1	39.88
117.0	000.9584	0085.0	016.8	297.0	002.1000	0073.1	065.2	39.87
118.0	000.9526	0084.9	016.7	296.8	002.1000	0073.1	065.2	39.86
119.0	000.9467	0084.8	016.7	296.5	002.1000	0073.1	065.3	39.85
120.0	000.9409	0084.8	016.6	296.3	002.1000	0073.1	065.3	39.83
121.0	000.9351	0084.6	016.6	296.0	002.1000	0073.1	065.4	39.81
122.0	000.9293	0084.4	016.5	295.8	002.1000	0073.2	065.5	39.79
123.0	000.9235	0084.1	016.5	295.5	002.1000	0073.2	065.6	39.76
124.0	000.9178	0083.9	016.4	295.3	002.1000	0073.2	065.7	39.74
125.0	000.9120	0083.7	016.4	295.0	002.1000	0073.2	065.8	39.71
126.0	000.9063	0083.6	016.3	294.8	002.1000	0073.2	065.9	39.69
127.0	000.9006	0083.7	016.3	294.6	002.1000	0073.2	065.9	39.67
128.0	000.8949	0083.7	016.3	294.3	002.1000	0073.2	066.0	39.64
129.0	000.8892	0083.8	016.3	294.1	002.1000	0073.3	066.1	39.62
130.0	000.8836	0083.8	016.2	293.9	002.1000	0073.3	066.2	39.59
131.0	000.8761	0083.6	016.2	293.7	002.1000	0073.3	066.4	39.55
132.0	000.8686	0083.3	016.1	293.4	002.1000	0073.4	066.5	39.51
133.0	000.8612	0082.7	016.0	293.2	002.1000	0073.4	066.7	39.46
134.0	000.8538	0082.1	015.9	293.1	002.1000	0073.4	066.9	39.41
135.0	000.8464	0081.6	015.8	292.9	002.1000	0073.5	067.1	39.36
136.0	000.8391	0081.2	015.7	292.7	002.1000	0073.5	067.3	39.31
137.0	000.8317	0080.8	015.6	292.5	002.1000	0073.5	067.5	39.26
138.0	000.8245	0080.5	015.6	292.3	002.1000	0073.6	067.7	39.22
139.0	000.8172	0080.3	015.5	292.1	002.1000	0073.6	067.9	39.17
140.0	000.8100	0080.1	015.4	292.0	002.1000	0073.6	068.0	39.12
141.0	000.7921	0079.8	015.3	291.8	002.1000	0073.7	068.3	39.06

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
142.0	000.7744	0079.5	015.2	291.7	002.1000	0073.7	068.5	39.00
143.0	000.7569	0079.3	015.1	291.5	002.1000	0073.7	068.7	38.93
144.0	000.7396	0079.1	015.0	291.4	002.1000	0073.8	069.0	38.87
145.0	000.7225	0078.9	014.9	291.3	002.1000	0073.8	069.2	38.81
146.0	000.7056	0078.7	014.8	291.1	002.1000	0073.8	069.4	38.75
147.0	000.6889	0078.6	014.7	291.0	002.1000	0073.8	069.7	38.68
148.0	000.6724	0078.4	014.5	290.9	002.1000	0073.8	069.9	38.62
149.0	000.6561	0078.2	014.4	290.8	002.1000	0073.8	070.2	38.56
150.0	000.6400	0078.1	014.3	290.7	002.1000	0073.8	070.4	38.49
151.0	000.6209	0077.9	014.2	290.6	002.1000	0073.9	070.6	38.43
152.0	000.6022	0077.8	014.1	290.5	002.1000	0073.9	070.9	38.36
153.0	000.5837	0077.7	014.0	290.4	002.1000	0073.9	071.2	38.29
154.0	000.5655	0077.8	013.9	290.3	002.1000	0073.9	071.4	38.23
155.0	000.5476	0078.0	013.8	290.3	002.1000	0073.9	071.6	38.16
156.0	000.5300	0078.0	013.7	290.2	002.1000	0073.9	071.9	38.10
157.0	000.5127	0078.0	013.6	290.1	002.1000	0073.9	072.1	38.03
158.0	000.4956	0078.0	013.5	290.1	002.1000	0073.9	072.4	37.96
159.0	000.4789	0078.0	013.3	290.0	002.1000	0073.9	072.6	37.90
160.0	000.4624	0078.0	013.2	290.0	002.1000	0073.9	072.9	37.83
161.0	000.4489	0078.0	013.1	289.9	002.1000	0073.9	073.1	37.77
162.0	000.4356	0078.0	013.0	289.8	002.1000	0073.9	073.3	37.70
163.0	000.4225	0078.0	013.0	289.8	002.1000	0073.9	073.6	37.64
164.0	000.4096	0078.0	012.9	289.8	002.1000	0073.9	073.8	37.58
165.0	000.3969	0078.1	012.8	289.7	002.1000	0073.9	074.1	37.51
166.0	000.3844	0078.3	012.7	289.7	002.1000	0073.9	074.3	37.45
167.0	000.3721	0078.7	012.6	289.6	002.1000	0073.9	074.5	37.39
168.0	000.3600	0079.0	012.5	289.6	002.1000	0073.9	074.7	37.33
169.0	000.3481	0079.2	012.5	289.6	002.1000	0073.9	075.0	37.27
170.0	000.3364	0079.3	012.4	289.5	002.1000	0073.9	075.2	37.21
171.0	000.3249	0079.5	012.3	289.5	002.1000	0073.9	075.4	37.15
172.0	000.3136	0079.7	012.2	289.5	002.1000	0073.9	075.7	37.09
173.0	000.3025	0079.9	012.1	289.5	002.1000	0073.9	075.9	37.03
174.0	000.2916	0080.0	012.0	289.5	002.1000	0073.9	076.1	36.96
175.0	000.2809	0080.3	011.9	289.5	002.1000	0073.9	076.3	36.91
176.0	000.2704	0080.7	011.8	289.5	002.1000	0073.9	076.6	36.85
177.0	000.2601	0081.2	011.8	289.5	002.1000	0073.9	076.8	36.79

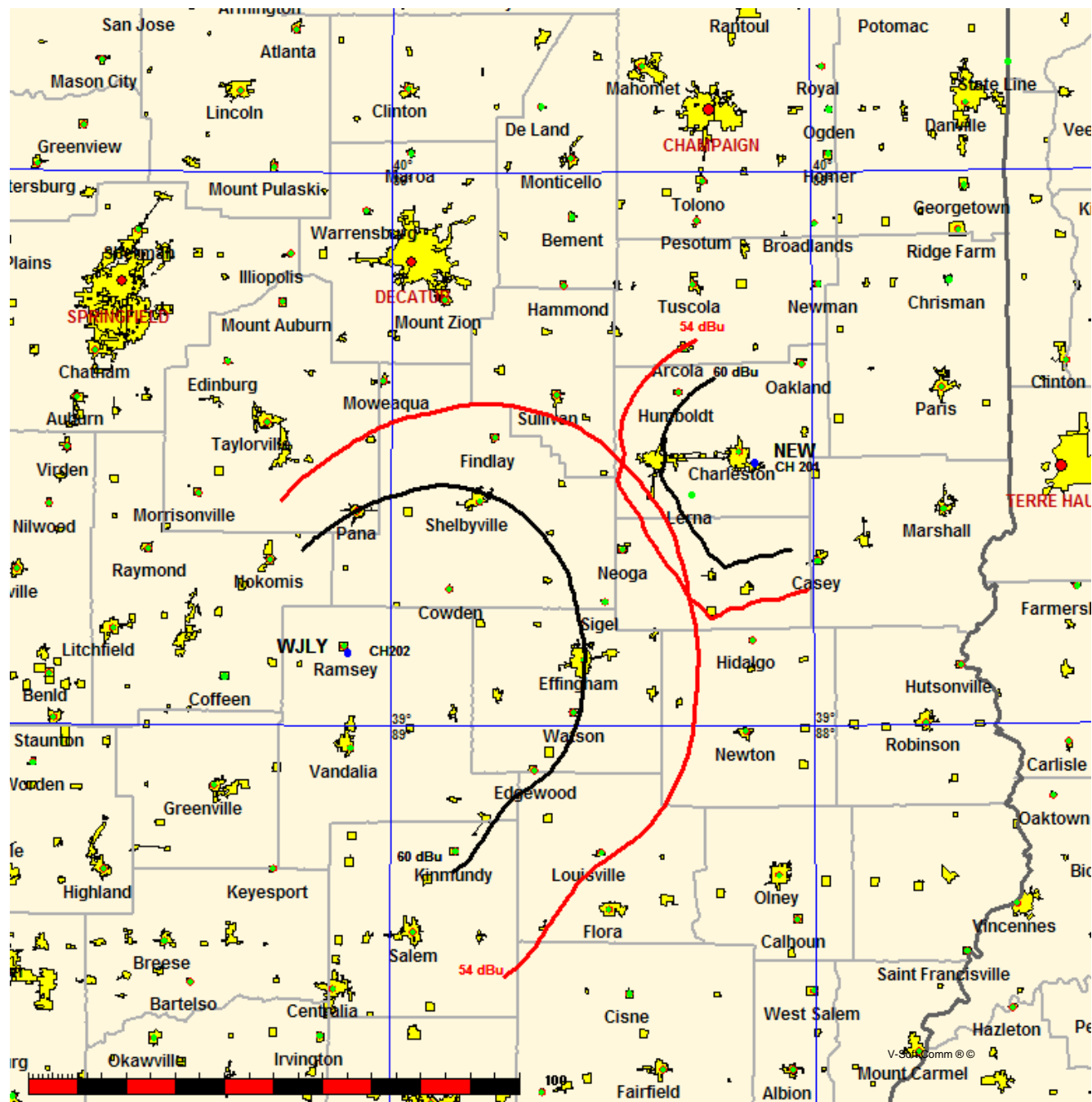
Charleston CP vs 1st Adjacent WJLY
Illinois Bible Institute

FMCommander Single Allocation Study
07-18-2007

NEW CH 201 A
2.1 kW 271.5 M COR
Prot. = 60 dBu
Intef. = 54 dBu

WJLY CH 202 B BLED19990303KA
25.0 kW, 330 M COR DA
Prot. = 60 dBu
Intef. = 54 dBu

Scale = 1:2,000,000



07-18-2007

NGDC 30 SEC Terrain Data

FMOver Analysis

NEW

Channel = 201A

Max ERP = 2.1 kW

RCAMSL = 271.5 M

N. Lat. 39 28 38.0

W. Lng. 88 08 25.0

Protected

60 dBu

WJLY

BLED19990303KA

Channel = 202B

Max ERP = 25 kW

RCAMSL = 330 M

N. Lat. 39 08 06.0

W. Lng. 89 06 02.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
186.0	002.1000	0081.9	020.2	077.1	024.9287	0161.8	082.8	50.06
187.0	002.1000	0081.9	020.2	077.1	024.9267	0161.8	082.5	50.16
188.0	002.1000	0082.0	020.2	077.0	024.9250	0161.7	082.1	50.26
189.0	002.1000	0083.0	020.3	077.0	024.9247	0161.7	081.7	50.37
190.0	002.1000	0084.7	020.5	077.0	024.9260	0161.8	081.3	50.50
191.0	002.1000	0086.8	020.8	077.1	024.9277	0161.8	080.9	50.64
192.0	002.1000	0089.3	021.1	077.2	024.9300	0161.8	080.4	50.78
193.0	002.1000	0091.6	021.4	077.3	024.9317	0161.8	080.0	50.92
194.0	002.1000	0094.1	021.6	077.3	024.9334	0161.9	079.5	51.07
195.0	002.1000	0095.9	021.9	077.4	024.9338	0161.9	079.1	51.20
196.0	002.1000	0096.2	021.9	077.2	024.9311	0161.8	078.8	51.31
197.0	002.1000	0094.8	021.7	077.0	024.9251	0161.7	078.5	51.39
198.0	002.1000	0092.6	021.5	076.7	024.9176	0161.6	078.3	51.44
199.0	002.1000	0090.6	021.2	076.4	024.9103	0161.6	078.1	51.50
200.0	002.1000	0089.0	021.1	076.1	024.9038	0161.5	077.9	51.56
201.0	002.1000	0088.0	020.9	075.9	024.8982	0161.5	077.7	51.64
202.0	002.1000	0087.4	020.9	075.7	024.8932	0161.5	077.4	51.72
203.0	002.1000	0087.0	020.8	075.5	024.8884	0161.5	077.1	51.80
204.0	002.1000	0086.6	020.8	075.3	024.8836	0161.5	076.9	51.88
205.0	002.1000	0086.0	020.7	075.1	024.8784	0161.5	076.6	51.96
206.0	002.1000	0085.2	020.6	074.9	024.8727	0161.5	076.4	52.02
207.0	002.1000	0084.1	020.5	074.6	024.8663	0161.6	076.2	52.08
208.0	002.1000	0082.6	020.3	074.4	024.8592	0161.6	076.1	52.12
209.0	002.1000	0080.8	020.0	074.1	024.8515	0161.7	076.0	52.16
210.0	002.1000	0079.0	019.8	073.7	024.8438	0161.7	075.9	52.18
211.0	002.1000	0077.3	019.6	073.4	024.8363	0161.8	075.8	52.22
212.0	002.1000	0076.0	019.4	073.2	024.8294	0161.9	075.7	52.25
213.0	002.1000	0074.8	019.3	072.9	024.8226	0162.0	075.6	52.29
214.0	002.1000	0073.6	019.1	072.6	024.8159	0162.1	075.5	52.32
215.0	002.1000	0072.5	019.0	072.4	024.8092	0162.2	075.5	52.35
216.0	002.1000	0071.6	018.8	072.1	024.8029	0162.3	075.3	52.39
217.0	002.1000	0070.9	018.8	071.9	024.7968	0162.3	075.2	52.43
218.0	002.1000	0070.3	018.7	071.6	024.7909	0162.4	075.1	52.47
219.0	002.1000	0069.8	018.6	071.4	024.7849	0162.4	075.0	52.51
220.0	002.1000	0069.4	018.6	071.1	024.7792	0162.4	074.9	52.55
221.0	002.1000	0069.2	018.5	070.9	024.7736	0162.4	074.7	52.59
222.0	002.1000	0069.0	018.5	070.7	024.7680	0162.4	074.6	52.64

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
223.0	002.1000	0068.9	018.5	070.5	024.7624	0162.4	074.4	52.68
224.0	002.1000	0068.4	018.4	070.2	024.7564	0162.4	074.3	52.71
225.0	002.1000	0067.7	018.3	070.0	024.7459	0162.4	074.3	52.72
226.0	002.1000	0066.9	018.2	069.7	024.6971	0162.3	074.2	52.73
227.0	002.1000	0066.3	018.1	069.5	024.6497	0162.3	074.2	52.73
228.0	002.1000	0065.8	018.1	069.2	024.6036	0162.2	074.1	52.74
229.0	002.1000	0065.5	018.0	069.0	024.5580	0162.2	074.1	52.75
230.0	002.1000	0065.1	018.0	068.7	024.5126	0162.1	074.0	52.76
231.0	002.1000	0064.9	017.9	068.5	024.4675	0162.0	073.9	52.77
232.0	002.1000	0064.7	017.9	068.3	024.4227	0161.9	073.9	52.78
233.0	002.1000	0064.5	017.9	068.0	024.3781	0161.8	073.8	52.79
234.0	002.1000	0064.5	017.9	067.8	024.3339	0161.7	073.7	52.80
235.0	002.1000	0064.5	017.9	067.6	024.2897	0161.5	073.6	52.81
236.0	002.1000	0064.6	017.9	067.3	024.2453	0161.4	073.6	52.82
237.0	002.1000	0064.5	017.9	067.1	024.2004	0161.3	073.5	52.83
238.0	002.1000	0064.3	017.9	066.8	024.1548	0161.2	073.5	52.82
239.0	002.1000	0063.9	017.8	066.6	024.1086	0161.0	073.5	52.80
240.0	002.1000	0063.3	017.7	066.3	024.0622	0160.9	073.5	52.78
241.0	002.1000	0062.7	017.6	066.1	024.0162	0160.8	073.6	52.75
242.0	002.1000	0062.1	017.6	065.8	023.9707	0160.6	073.6	52.72
243.0	002.1000	0061.7	017.5	065.6	023.9259	0160.4	073.7	52.69
244.0	002.1000	0061.5	017.5	065.4	023.8814	0160.3	073.7	52.66
245.0	002.1000	0061.5	017.5	065.1	023.8373	0160.1	073.7	52.65
246.0	002.1000	0061.7	017.5	064.9	023.7931	0159.9	073.6	52.64
247.0	002.1000	0062.2	017.6	064.6	023.7486	0159.7	073.6	52.65
248.0	002.1000	0062.9	017.7	064.4	023.7036	0159.5	073.5	52.65
249.0	002.1000	0063.7	017.8	064.2	023.6580	0159.3	073.4	52.66
250.0	002.1000	0064.6	017.9	063.9	023.6116	0159.0	073.3	52.68
251.0	002.1000	0065.6	018.0	063.6	023.5645	0158.8	073.2	52.69
252.0	002.1000	0066.6	018.2	063.4	023.5165	0158.6	073.1	52.70
253.0	002.1000	0067.6	018.3	063.1	023.4680	0158.5	073.0	52.71
254.0	002.1000	0068.5	018.4	062.9	023.4194	0158.3	073.0	52.71
255.0	002.1000	0069.2	018.5	062.6	023.3707	0158.1	072.9	52.71
256.0	002.1000	0070.0	018.6	062.3	023.3216	0158.0	072.9	52.70
257.0	002.1000	0070.9	018.7	062.1	023.2720	0157.9	072.9	52.70
258.0	002.1000	0071.8	018.9	061.8	023.2215	0157.9	072.8	52.70
259.0	002.1000	0072.7	019.0	061.5	023.1713	0157.9	072.8	52.69
260.0	002.1000	0073.1	019.0	061.2	023.1230	0157.9	072.9	52.67
261.0	002.1000	0073.5	019.1	061.0	023.0756	0157.9	072.9	52.64
262.0	002.1000	0073.3	019.1	060.7	023.0315	0157.9	073.1	52.60
263.0	002.1000	0073.1	019.0	060.5	022.9891	0158.0	073.2	52.54
264.0	002.1000	0072.6	019.0	060.3	022.9487	0158.0	073.4	52.47
265.0	002.1000	0071.6	018.8	060.1	022.9132	0158.0	073.7	52.39
266.0	002.1000	0070.4	018.7	059.9	022.8654	0158.1	073.9	52.29
267.0	002.1000	0069.3	018.5	059.7	022.8044	0158.1	074.2	52.19
268.0	002.1000	0068.3	018.4	059.6	022.7443	0158.1	074.5	52.10
269.0	002.1000	0067.4	018.3	059.4	022.6834	0158.1	074.7	52.01
270.0	002.1000	0067.1	018.2	059.2	022.6155	0158.1	074.9	51.93
271.0	002.1000	0066.7	018.2	059.0	022.5491	0158.1	075.1	51.85
272.0	002.1000	0066.4	018.2	058.8	022.4842	0158.1	075.3	51.77
273.0	002.1000	0066.1	018.1	058.6	022.4201	0158.1	075.5	51.70

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
274.0	002.1000	0066.3	018.1	058.4	022.3487	0158.1	075.7	51.63
275.0	002.1000	0066.9	018.2	058.2	022.2673	0158.1	075.8	51.58
276.0	002.1000	0067.9	018.4	057.9	022.1804	0158.0	075.9	51.53
277.0	002.1000	0068.9	018.5	057.7	022.0928	0157.9	076.0	51.48
278.0	002.1000	0069.8	018.6	057.4	022.0102	0157.9	076.1	51.42
279.0	002.1000	0070.6	018.7	057.2	021.9274	0157.8	076.2	51.36
280.0	002.1000	0071.4	018.8	057.0	021.8467	0157.7	076.4	51.30
281.0	002.1000	0072.0	018.9	056.7	021.7707	0157.6	076.5	51.23
282.0	002.1000	0072.5	019.0	056.5	021.6987	0157.6	076.7	51.15
283.0	002.1000	0073.0	019.0	056.3	021.6292	0157.5	076.9	51.08
284.0	002.1000	0073.2	019.1	056.1	021.5659	0157.5	077.1	50.99
285.0	002.1000	0073.4	019.1	056.0	021.5042	0157.4	077.4	50.91
286.0	002.1000	0073.7	019.1	055.8	021.4416	0157.4	077.6	50.82
287.0	002.1000	0073.9	019.1	055.6	021.3848	0157.4	077.8	50.73
288.0	002.1000	0073.9	019.2	055.4	021.3317	0157.3	078.1	50.64
289.0	002.1000	0073.9	019.2	055.3	021.2810	0157.3	078.4	50.55
290.0	002.1000	0073.9	019.1	055.1	021.2332	0157.3	078.6	50.45
291.0	002.1000	0073.8	019.1	055.0	021.1881	0157.3	078.9	50.35
292.0	002.1000	0073.6	019.1	054.9	021.1472	0157.3	079.2	50.25
293.0	002.1000	0073.4	019.1	054.8	021.1085	0157.2	079.5	50.15
294.0	002.1000	0073.3	019.1	054.7	021.0701	0157.2	079.8	50.05
295.0	002.1000	0073.2	019.1	054.5	021.0313	0157.2	080.1	49.96
296.0	002.1000	0073.1	019.0	054.4	020.9936	0157.2	080.4	49.86
297.0	002.1000	0073.1	019.0	054.3	020.9566	0157.2	080.7	49.76
298.0	002.1000	0073.1	019.0	054.2	020.9213	0157.2	081.0	49.66
299.0	002.1000	0073.0	019.0	054.1	020.8880	0157.1	081.3	49.56
300.0	002.1000	0073.0	019.0	054.0	020.8559	0157.1	081.6	49.46
301.0	002.1000	0072.9	019.0	053.9	020.8270	0157.1	081.9	49.36
302.0	002.1000	0072.7	019.0	053.9	020.8024	0157.1	082.2	49.25
303.0	002.1000	0072.4	019.0	053.8	020.7814	0157.1	082.5	49.15
304.0	002.1000	0072.1	018.9	053.7	020.7627	0157.1	082.8	49.05
305.0	002.1000	0071.8	018.9	053.7	020.7450	0157.1	083.2	48.95
306.0	002.1000	0071.6	018.8	053.6	020.7272	0157.1	083.5	48.84

07-18-2007 NGDC 30 SEC Terrain Data

WJLY BLED19990303KA
 Channel = 202B
 Max ERP = 25 kW
 RCAMSL = 330 M
 N. Lat. 39 08 06.0
 W. Lng. 89 06 02.0
 Protected
 60 dBu

NEW
 Channel = 201A
 Max ERP = 2.1 kW
 RCAMSL = 271.5 M
 N. Lat. 39 28 38.0
 W. Lng. 88 08 25.0
 Interfering
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
005.0	003.3856	0138.6	028.7	263.5	002.1000	0072.8	080.7	35.70
006.0	003.5382	0139.4	029.0	263.7	002.1000	0072.7	080.2	35.84
007.0	003.6941	0140.4	029.4	263.9	002.1000	0072.6	079.6	35.99
008.0	003.8534	0141.3	029.8	264.1	002.1000	0072.5	079.0	36.13
009.0	004.0160	0141.8	030.1	264.2	002.1000	0072.4	078.4	36.28
010.0	004.1820	0142.0	030.4	264.3	002.1000	0072.3	077.8	36.43
011.0	004.3911	0142.0	030.7	264.5	002.1000	0072.2	077.2	36.59
012.0	004.6053	0141.8	031.1	264.6	002.1000	0072.1	076.6	36.74
013.0	004.8246	0141.6	031.4	264.7	002.1000	0072.0	076.0	36.90
014.0	005.0490	0141.6	031.8	264.8	002.1000	0071.8	075.3	37.06
015.0	005.2785	0141.7	032.1	264.9	002.1000	0071.7	074.7	37.22
016.0	005.5131	0141.5	032.4	265.0	002.1000	0071.6	074.0	37.38
017.0	005.7528	0141.2	032.7	265.0	002.1000	0071.6	073.4	37.55
018.0	005.9976	0141.0	033.1	265.1	002.1000	0071.5	072.7	37.72
019.0	006.2475	0141.1	033.4	265.1	002.1000	0071.4	072.1	37.89
020.0	006.5025	0141.8	033.8	265.2	002.1000	0071.3	071.4	38.07
021.0	006.8225	0142.8	034.3	265.4	002.1000	0071.2	070.6	38.26
022.0	007.1503	0143.9	034.8	265.5	002.1000	0071.0	069.9	38.46
023.0	007.4857	0145.0	035.3	265.7	002.1000	0070.8	069.1	38.65
024.0	007.8288	0146.3	035.8	265.8	002.1000	0070.7	068.3	38.86
025.0	008.1796	0147.5	036.3	265.9	002.1000	0070.5	067.5	39.06
026.0	008.5381	0148.5	036.8	266.0	002.1000	0070.5	066.7	39.27
027.0	008.9043	0149.6	037.2	266.0	002.1000	0070.4	065.9	39.48
028.0	009.2781	0150.7	037.7	266.1	002.1000	0070.3	065.1	39.70
029.0	009.6597	0151.5	038.1	266.1	002.1000	0070.3	064.3	39.91
030.0	010.0489	0152.1	038.5	266.1	002.1000	0070.4	063.5	40.13
031.0	010.5008	0152.5	039.0	266.0	002.1000	0070.4	062.8	40.36
032.0	010.9627	0152.6	039.3	265.9	002.1000	0070.5	062.0	40.59
033.0	011.4345	0152.5	039.7	265.8	002.1000	0070.7	061.2	40.83
034.0	011.9163	0152.2	040.0	265.6	002.1000	0070.9	060.5	41.07
035.0	012.4080	0152.0	040.3	265.4	002.1000	0071.1	059.8	41.32
036.0	012.9096	0152.0	040.6	265.2	002.1000	0071.4	059.0	41.58
037.0	013.4212	0152.0	040.9	265.0	002.1000	0071.6	058.3	41.84
038.0	013.9428	0152.2	041.3	264.7	002.1000	0071.9	057.5	42.11

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
039.0	014.4742	0152.3	041.6	264.5	002.1000	0072.2	056.8	42.38
040.0	015.0156	0152.5	041.9	264.2	002.1000	0072.5	056.0	42.65
041.0	015.4410	0152.8	042.2	263.8	002.1000	0072.7	055.3	42.91
042.0	015.8723	0153.3	042.5	263.4	002.1000	0072.9	054.6	43.17
043.0	016.3095	0154.0	042.8	263.0	002.1000	0073.0	053.9	43.43
044.0	016.7526	0154.7	043.1	262.6	002.1000	0073.2	053.2	43.68
045.0	017.2018	0155.2	043.4	262.2	002.1000	0073.3	052.5	43.93
046.0	017.6568	0155.5	043.7	261.7	002.1000	0073.4	051.8	44.17
047.0	018.1178	0155.5	043.9	261.1	002.1000	0073.5	051.2	44.38
048.0	018.5847	0155.6	044.1	260.5	002.1000	0073.3	050.6	44.58
049.0	019.0576	0155.9	044.4	259.9	002.1000	0073.1	050.0	44.77
050.0	019.5364	0156.3	044.7	259.3	002.1000	0072.8	049.4	44.95
051.0	019.8604	0156.6	044.8	258.6	002.1000	0072.4	048.8	45.08
052.0	020.1870	0156.8	045.0	257.8	002.1000	0071.7	048.3	45.18
053.0	020.5164	0157.0	045.2	257.1	002.1000	0070.9	047.9	45.27
054.0	020.8484	0157.1	045.3	256.3	002.1000	0070.2	047.4	45.35
055.0	021.1830	0157.3	045.5	255.4	002.1000	0069.6	047.0	45.43
056.0	021.5203	0157.5	045.6	254.6	002.1000	0068.9	046.6	45.50
057.0	021.8603	0157.7	045.8	253.7	002.1000	0068.2	046.2	45.57
058.0	022.2029	0158.0	046.0	252.8	002.1000	0067.4	045.8	45.61
059.0	022.5483	0158.1	046.1	251.8	002.1000	0066.4	045.4	45.63
060.0	022.8962	0158.0	046.3	250.9	002.1000	0065.4	045.2	45.62
061.0	023.0784	0157.9	046.3	249.9	002.1000	0064.5	045.0	45.58
062.0	023.2613	0157.9	046.4	248.8	002.1000	0063.6	044.8	45.55
063.0	023.4450	0158.4	046.5	247.8	002.1000	0062.8	044.6	45.53
064.0	023.6293	0159.1	046.7	246.8	002.1000	0062.1	044.4	45.53
065.0	023.8144	0160.0	046.8	245.7	002.1000	0061.6	044.2	45.55
066.0	024.0002	0160.7	047.0	244.7	002.1000	0061.4	044.0	45.58
067.0	024.1867	0161.3	047.1	243.6	002.1000	0061.6	043.9	45.63
068.0	024.3740	0161.8	047.3	242.5	002.1000	0061.9	043.9	45.69
069.0	024.5619	0162.2	047.4	241.4	002.1000	0062.5	043.9	45.76
070.0	024.7506	0162.4	047.5	240.3	002.1000	0063.1	043.9	45.81
071.0	024.7755	0162.4	047.5	239.3	002.1000	0063.8	044.0	45.84
072.0	024.8004	0162.3	047.5	238.2	002.1000	0064.2	044.2	45.82
073.0	024.8253	0162.0	047.5	237.2	002.1000	0064.5	044.5	45.76
074.0	024.8502	0161.7	047.4	236.2	002.1000	0064.6	044.8	45.67
075.0	024.8752	0161.5	047.4	235.2	002.1000	0064.5	045.0	45.57
076.0	024.9001	0161.5	047.4	234.2	002.1000	0064.5	045.3	45.47
077.0	024.9251	0161.7	047.5	233.2	002.1000	0064.5	045.6	45.37
078.0	024.9500	0161.9	047.5	232.3	002.1000	0064.6	045.9	45.27
079.0	024.9750	0161.8	047.5	231.4	002.1000	0064.8	046.3	45.16
080.0	025.0000	0161.7	047.5	230.5	002.1000	0065.0	046.7	45.04
081.0	025.0000	0161.3	047.4	229.6	002.1000	0065.2	047.2	44.92
082.0	025.0000	0161.4	047.4	228.8	002.1000	0065.5	047.6	44.80
083.0	025.0000	0162.4	047.6	227.9	002.1000	0065.9	048.0	44.72
084.0	025.0000	0163.5	047.7	227.0	002.1000	0066.3	048.4	44.63
085.0	025.0000	0164.6	047.8	226.1	002.1000	0066.8	048.8	44.55
086.0	025.0000	0165.8	048.0	225.3	002.1000	0067.5	049.2	44.48
087.0	025.0000	0166.8	048.1	224.5	002.1000	0068.1	049.7	44.38
088.0	025.0000	0167.4	048.1	223.7	002.1000	0068.6	050.2	44.25
089.0	025.0000	0167.9	048.2	223.0	002.1000	0068.9	050.8	44.09

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
090.0	025.0000	0168.3	048.3	222.3	002.1000	0069.0	051.4	43.91
091.0	025.0000	0168.8	048.3	221.7	002.1000	0069.1	052.0	43.72
092.0	025.0000	0168.8	048.3	221.1	002.1000	0069.2	052.6	43.51
093.0	025.0000	0168.8	048.3	220.5	002.1000	0069.3	053.3	43.29
094.0	025.0000	0168.8	048.3	220.0	002.1000	0069.4	054.0	43.08
095.0	025.0000	0168.8	048.3	219.5	002.1000	0069.6	054.7	42.86
096.0	025.0000	0169.1	048.3	219.0	002.1000	0069.8	055.3	42.65
097.0	025.0000	0169.2	048.3	218.5	002.1000	0070.1	056.1	42.44
098.0	025.0000	0169.6	048.4	218.0	002.1000	0070.3	056.8	42.23
099.0	025.0000	0170.3	048.5	217.5	002.1000	0070.6	057.5	42.02
100.0	025.0000	0171.1	048.6	217.1	002.1000	0070.9	058.2	41.81
101.0	025.0000	0172.0	048.6	216.6	002.1000	0071.2	058.9	41.60
102.0	025.0000	0172.9	048.7	216.2	002.1000	0071.5	059.6	41.39
103.0	025.0000	0173.8	048.8	215.8	002.1000	0071.8	060.4	41.18
104.0	025.0000	0174.6	048.9	215.4	002.1000	0072.1	061.1	40.97
105.0	025.0000	0175.1	049.0	215.1	002.1000	0072.4	061.9	40.75
106.0	025.0000	0175.0	049.0	214.9	002.1000	0072.6	062.7	40.53
107.0	025.0000	0174.7	048.9	214.6	002.1000	0072.9	063.6	40.31
108.0	025.0000	0174.3	048.9	214.5	002.1000	0073.1	064.4	40.09
109.0	025.0000	0173.9	048.8	214.3	002.1000	0073.3	065.2	39.87
110.0	025.0000	0173.6	048.8	214.1	002.1000	0073.5	066.1	39.65
111.0	025.0000	0173.2	048.8	214.0	002.1000	0073.6	066.9	39.43
112.0	025.0000	0172.6	048.7	213.9	002.1000	0073.7	067.7	39.21
113.0	025.0000	0171.9	048.6	213.8	002.1000	0073.8	068.6	38.98
114.0	025.0000	0171.4	048.6	213.8	002.1000	0073.9	069.4	38.76
115.0	025.0000	0170.7	048.5	213.7	002.1000	0074.0	070.3	38.53
116.0	024.7208	0170.2	048.4	213.7	002.1000	0073.9	071.1	38.29
117.0	024.4431	0169.6	048.2	213.8	002.1000	0073.9	072.0	38.06
118.0	024.1671	0169.2	048.0	213.8	002.1000	0073.8	072.9	37.83
119.0	023.8925	0169.1	047.9	213.9	002.1000	0073.8	073.7	37.60
120.0	023.6196	0169.4	047.9	213.9	002.1000	0073.8	074.5	37.37
121.0	022.8293	0169.9	047.6	214.0	002.1000	0073.6	075.4	37.14
122.0	022.0524	0170.4	047.4	214.2	002.1000	0073.4	076.2	36.90
123.0	021.2890	0170.6	047.1	214.4	002.1000	0073.1	077.1	36.67
124.0	020.5390	0170.7	046.8	214.6	002.1000	0072.9	077.9	36.44
125.0	019.8025	0170.6	046.4	214.9	002.1000	0072.6	078.7	36.21

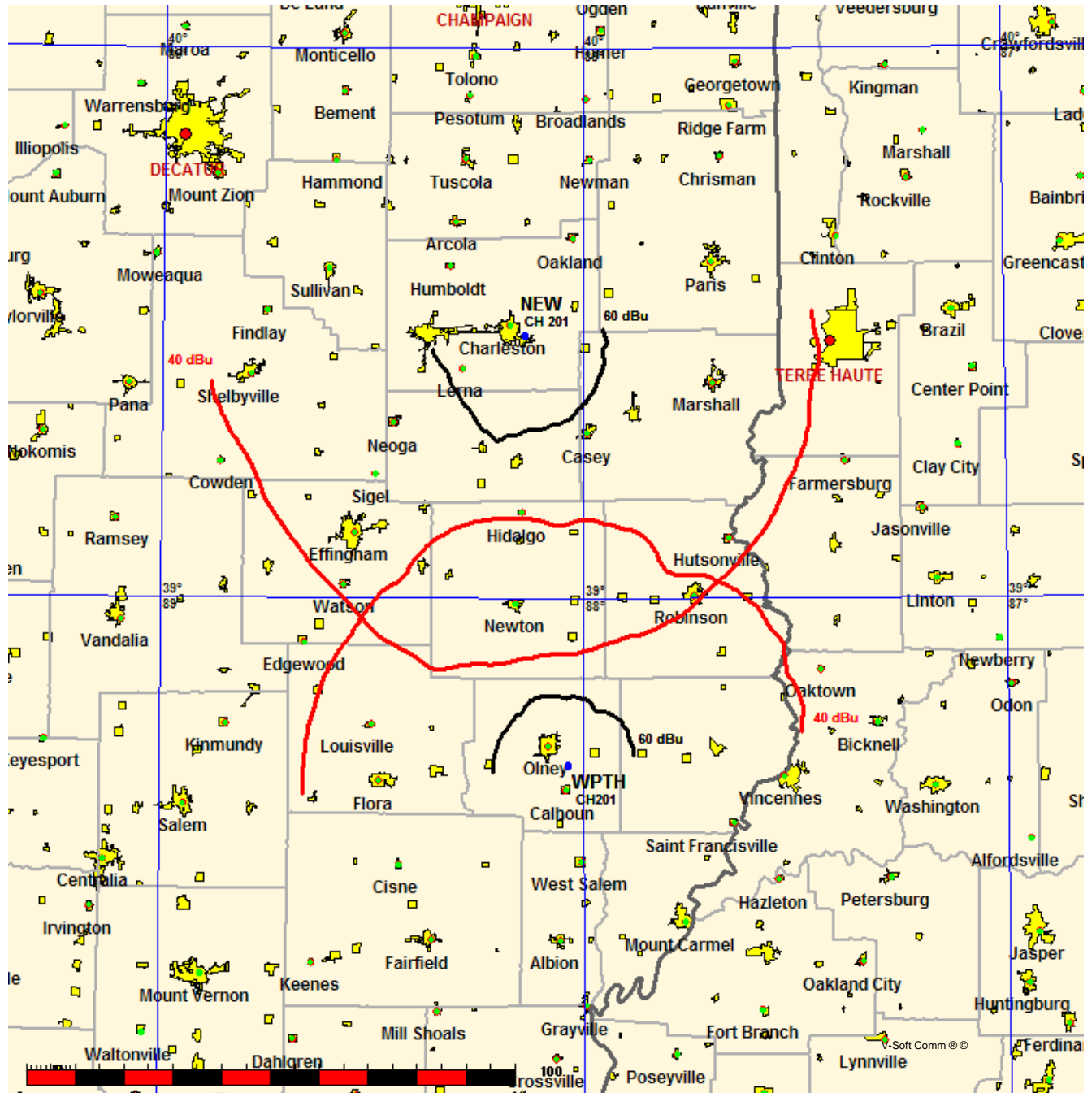
Charleston CP vs co-channel WPTH
Illinois Bible Institute

FMCommander Single Allocation Study
07-18-2007

NEW CH 201 A
2.1 kW 271.5 M COR
Prot. = 60 dBu
Intef. = 40 dBu

WPTH CH 201 A BLED20050916ABH
1.0 kW, 205 M COR
Prot. = 60 dBu
Intef. = 40 dBu

Scale = 1:2,000,000



07-18-2007

NGDC 30 SEC Terrain Data

FMOver Analysis

NEW

Channel = 201A

Max ERP = 2.1 kW

RCAMSL = 271.5 M

N. Lat. 39 28 38.0

W. Lng. 88 08 25.0

Protected

60 dBu

WPTH

BLED20050916ABH

Channel = 201A

Max ERP = 1 kW

RCAMSL = 205 M

N. Lat. 38 41 50.0

W. Lng. 88 02 13.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
114.0	002.1000	0060.0	017.3	004.9	001.0000	0056.6	079.9	31.80
115.0	002.1000	0060.1	017.3	004.8	001.0000	0056.6	079.6	31.87
116.0	002.1000	0060.3	017.3	004.7	001.0000	0056.6	079.3	31.94
117.0	002.1000	0060.4	017.3	004.7	001.0000	0056.6	079.0	32.01
118.0	002.1000	0060.4	017.3	004.6	001.0000	0056.6	078.7	32.08
119.0	002.1000	0060.5	017.3	004.5	001.0000	0056.6	078.4	32.15
120.0	002.1000	0060.7	017.4	004.4	001.0000	0056.6	078.1	32.22
121.0	002.1000	0061.2	017.4	004.4	001.0000	0056.6	077.8	32.29
122.0	002.1000	0061.8	017.5	004.3	001.0000	0056.6	077.5	32.37
123.0	002.1000	0062.5	017.6	004.3	001.0000	0056.6	077.2	32.45
124.0	002.1000	0063.1	017.7	004.2	001.0000	0056.5	076.9	32.52
125.0	002.1000	0063.7	017.8	004.2	001.0000	0056.5	076.6	32.60
126.0	002.1000	0064.3	017.9	004.1	001.0000	0056.5	076.3	32.67
127.0	002.1000	0064.9	018.0	004.0	001.0000	0056.5	076.0	32.75
128.0	002.1000	0065.4	018.0	003.9	001.0000	0056.5	075.7	32.82
129.0	002.1000	0065.6	018.0	003.8	001.0000	0056.5	075.4	32.89
130.0	002.1000	0065.8	018.1	003.7	001.0000	0056.5	075.1	32.95
131.0	002.1000	0065.9	018.1	003.6	001.0000	0056.4	074.9	33.01
132.0	002.1000	0065.9	018.1	003.4	001.0000	0056.4	074.6	33.07
133.0	002.1000	0065.9	018.1	003.3	001.0000	0056.3	074.4	33.13
134.0	002.1000	0066.1	018.1	003.1	001.0000	0056.3	074.1	33.19
135.0	002.1000	0066.5	018.2	003.0	001.0000	0056.2	073.8	33.26
136.0	002.1000	0067.1	018.3	002.9	001.0000	0056.2	073.6	33.32
137.0	002.1000	0067.7	018.3	002.8	001.0000	0056.1	073.3	33.39
138.0	002.1000	0068.0	018.4	002.6	001.0000	0056.1	073.0	33.45
139.0	002.1000	0068.2	018.4	002.4	001.0000	0056.0	072.8	33.50
140.0	002.1000	0068.4	018.4	002.3	001.0000	0055.9	072.5	33.55
141.0	002.1000	0068.4	018.4	002.1	001.0000	0055.8	072.3	33.60
142.0	002.1000	0068.4	018.4	001.9	001.0000	0055.6	072.1	33.64
143.0	002.1000	0068.6	018.4	001.7	001.0000	0055.4	071.9	33.68
144.0	002.1000	0069.0	018.5	001.5	001.0000	0055.3	071.6	33.73
145.0	002.1000	0069.6	018.6	001.4	001.0000	0055.1	071.4	33.78
146.0	002.1000	0070.4	018.7	001.2	001.0000	0055.0	071.1	33.84
147.0	002.1000	0071.3	018.8	001.0	001.0000	0054.9	070.8	33.90
148.0	002.1000	0072.4	018.9	000.9	001.0000	0054.8	070.5	33.97
149.0	002.1000	0073.2	019.1	000.7	001.0000	0054.6	070.3	34.03
150.0	002.1000	0073.7	019.1	000.5	001.0000	0054.5	070.0	34.07

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
151.0	002.1000	0073.9	019.2	000.3	001.0000	0054.3	069.8	34.11
152.0	002.1000	0073.9	019.1	000.0	001.0000	0054.2	069.7	34.13
153.0	002.1000	0073.7	019.1	359.8	001.0000	0054.0	069.6	34.15
154.0	002.1000	0073.5	019.1	359.5	001.0000	0053.8	069.4	34.17
155.0	002.1000	0073.6	019.1	359.3	001.0000	0053.7	069.3	34.19
156.0	002.1000	0073.8	019.1	359.0	001.0000	0053.5	069.1	34.22
157.0	002.1000	0073.9	019.2	358.8	001.0000	0053.3	069.0	34.24
158.0	002.1000	0073.7	019.1	358.5	001.0000	0053.2	068.9	34.25
159.0	002.1000	0073.1	019.0	358.2	001.0000	0053.1	068.8	34.25
160.0	002.1000	0072.5	019.0	358.0	001.0000	0053.1	068.8	34.27
161.0	002.1000	0072.0	018.9	357.7	001.0000	0053.2	068.8	34.28
162.0	002.1000	0071.8	018.9	357.4	001.0000	0053.3	068.7	34.30
163.0	002.1000	0071.7	018.9	357.2	001.0000	0053.4	068.6	34.33
164.0	002.1000	0071.8	018.9	356.9	001.0000	0053.6	068.6	34.37
165.0	002.1000	0072.0	018.9	356.6	001.0000	0053.8	068.5	34.41
166.0	002.1000	0072.5	019.0	356.4	001.0000	0053.9	068.3	34.45
167.0	002.1000	0073.1	019.0	356.1	001.0000	0054.1	068.2	34.50
168.0	002.1000	0073.5	019.1	355.8	001.0000	0054.3	068.1	34.54
169.0	002.1000	0073.9	019.1	355.6	001.0000	0054.5	068.0	34.58
170.0	002.1000	0074.1	019.2	355.3	001.0000	0054.7	067.9	34.61
171.0	002.1000	0074.1	019.2	355.0	001.0000	0054.9	067.9	34.63
172.0	002.1000	0074.0	019.2	354.7	001.0000	0055.1	067.9	34.65
173.0	002.1000	0073.4	019.1	354.5	001.0000	0055.3	068.0	34.65
174.0	002.1000	0072.8	019.0	354.2	001.0000	0055.6	068.0	34.65
175.0	002.1000	0072.4	018.9	353.9	001.0000	0055.8	068.1	34.65
176.0	002.1000	0072.5	019.0	353.6	001.0000	0056.1	068.1	34.68
177.0	002.1000	0072.8	019.0	353.3	001.0000	0056.4	068.1	34.70
178.0	002.1000	0073.4	019.1	353.1	001.0000	0056.7	068.0	34.74
179.0	002.1000	0074.1	019.2	352.8	001.0000	0057.0	068.0	34.78
180.0	002.1000	0074.9	019.3	352.5	001.0000	0057.2	067.9	34.81
181.0	002.1000	0075.6	019.4	352.2	001.0000	0057.5	067.9	34.84
182.0	002.1000	0077.0	019.5	351.9	001.0000	0057.7	067.7	34.89
183.0	002.1000	0078.5	019.7	351.6	001.0000	0057.9	067.6	34.94
184.0	002.1000	0080.0	019.9	351.3	001.0000	0058.1	067.5	34.98
185.0	002.1000	0080.9	020.1	350.9	001.0000	0058.3	067.5	35.00
186.0	002.1000	0081.9	020.2	350.6	001.0000	0058.4	067.4	35.02
187.0	002.1000	0081.9	020.2	350.4	001.0000	0058.6	067.5	35.01
188.0	002.1000	0082.0	020.2	350.1	001.0000	0058.8	067.6	35.00
189.0	002.1000	0083.0	020.3	349.8	001.0000	0059.0	067.6	35.01
190.0	002.1000	0084.7	020.5	349.4	001.0000	0059.2	067.5	35.05
191.0	002.1000	0086.8	020.8	349.0	001.0000	0059.4	067.4	35.09
192.0	002.1000	0089.3	021.1	348.7	001.0000	0059.6	067.3	35.14
193.0	002.1000	0091.6	021.4	348.3	001.0000	0059.8	067.2	35.18
194.0	002.1000	0094.1	021.6	347.9	001.0000	0060.0	067.1	35.22
195.0	002.1000	0095.9	021.9	347.5	001.0000	0060.3	067.1	35.25
196.0	002.1000	0096.2	021.9	347.2	001.0000	0060.5	067.2	35.22
197.0	002.1000	0094.8	021.7	347.0	001.0000	0060.6	067.6	35.15
198.0	002.1000	0092.6	021.5	346.9	001.0000	0060.8	068.0	35.05
199.0	002.1000	0090.6	021.2	346.7	001.0000	0060.9	068.4	34.95
200.0	002.1000	0089.0	021.1	346.5	001.0000	0061.0	068.7	34.87
201.0	002.1000	0088.0	020.9	346.3	001.0000	0061.1	069.0	34.80

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
202.0	002.1000	0087.4	020.9	346.1	001.0000	0061.3	069.3	34.74
203.0	002.1000	0087.0	020.8	345.9	001.0000	0061.5	069.6	34.69
204.0	002.1000	0086.6	020.8	345.7	001.0000	0061.7	069.8	34.63
205.0	002.1000	0086.0	020.7	345.5	001.0000	0061.9	070.1	34.57
206.0	002.1000	0085.2	020.6	345.3	001.0000	0062.0	070.4	34.51
207.0	002.1000	0084.1	020.5	345.2	001.0000	0062.1	070.8	34.43
208.0	002.1000	0082.6	020.3	345.1	001.0000	0062.2	071.1	34.33
209.0	002.1000	0080.8	020.0	345.0	001.0000	0062.3	071.5	34.23
210.0	002.1000	0079.0	019.8	344.9	001.0000	0062.4	072.0	34.13
211.0	002.1000	0077.3	019.6	344.9	001.0000	0062.4	072.3	34.04
212.0	002.1000	0076.0	019.4	344.8	001.0000	0062.5	072.7	33.95
213.0	002.1000	0074.8	019.3	344.7	001.0000	0062.5	073.1	33.86
214.0	002.1000	0073.6	019.1	344.6	001.0000	0062.6	073.4	33.77
215.0	002.1000	0072.5	019.0	344.5	001.0000	0062.7	073.8	33.69
216.0	002.1000	0071.6	018.8	344.5	001.0000	0062.7	074.1	33.61
217.0	002.1000	0070.9	018.8	344.4	001.0000	0062.8	074.4	33.53
218.0	002.1000	0070.3	018.7	344.3	001.0000	0062.9	074.7	33.45
219.0	002.1000	0069.8	018.6	344.2	001.0000	0062.9	075.0	33.38
220.0	002.1000	0069.4	018.6	344.1	001.0000	0063.0	075.3	33.31
221.0	002.1000	0069.2	018.5	343.9	001.0000	0063.1	075.6	33.24
222.0	002.1000	0069.0	018.5	343.8	001.0000	0063.1	075.9	33.17
223.0	002.1000	0068.9	018.5	343.7	001.0000	0063.2	076.2	33.10
224.0	002.1000	0068.4	018.4	343.6	001.0000	0063.2	076.5	33.03
225.0	002.1000	0067.7	018.3	343.6	001.0000	0063.3	076.8	32.95
226.0	002.1000	0066.9	018.2	343.5	001.0000	0063.3	077.2	32.86
227.0	002.1000	0066.3	018.1	343.5	001.0000	0063.3	077.5	32.78
228.0	002.1000	0065.8	018.1	343.4	001.0000	0063.4	077.8	32.71
229.0	002.1000	0065.5	018.0	343.4	001.0000	0063.4	078.1	32.63
230.0	002.1000	0065.1	018.0	343.3	001.0000	0063.4	078.4	32.56
231.0	002.1000	0064.9	017.9	343.2	001.0000	0063.5	078.7	32.48
232.0	002.1000	0064.7	017.9	343.2	001.0000	0063.5	079.0	32.41
233.0	002.1000	0064.5	017.9	343.1	001.0000	0063.5	079.3	32.33
234.0	002.1000	0064.5	017.9	343.0	001.0000	0063.6	079.6	32.26

07-18-2007 NGDC 30 SEC Terrain Data

WPTH BLED20050916ABH
 Channel = 201A
 Max ERP = 1 kW
 RCAMSL = 205 M
 N. Lat. 38 41 50.0
 W. Lng. 88 02 13.0
 Protected
 60 dBu

NEW
 Channel = 201A
 Max ERP = 2.1 kW
 RCAMSL = 271.5 M
 N. Lat. 39 28 38.0
 W. Lng. 88 08 25.0
 Interfering
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
294.0	001.0000	0065.9	014.8	183.2	002.1000	0078.9	080.7	36.02
295.0	001.0000	0065.5	014.7	183.1	002.1000	0078.7	080.5	36.07
296.0	001.0000	0065.0	014.7	183.0	002.1000	0078.5	080.3	36.12
297.0	001.0000	0064.5	014.6	182.9	002.1000	0078.4	080.1	36.17
298.0	001.0000	0063.9	014.6	182.8	002.1000	0078.2	079.9	36.21
299.0	001.0000	0063.3	014.5	182.7	002.1000	0078.0	079.6	36.26
300.0	001.0000	0062.9	014.5	182.6	002.1000	0077.8	079.4	36.30
301.0	001.0000	0062.8	014.4	182.5	002.1000	0077.7	079.2	36.35
302.0	001.0000	0062.7	014.4	182.4	002.1000	0077.6	079.0	36.40
303.0	001.0000	0062.6	014.4	182.3	002.1000	0077.4	078.8	36.45
304.0	001.0000	0062.8	014.5	182.2	002.1000	0077.3	078.6	36.50
305.0	001.0000	0063.1	014.5	182.1	002.1000	0077.2	078.3	36.56
306.0	001.0000	0063.4	014.5	182.1	002.1000	0077.0	078.1	36.61
307.0	001.0000	0063.3	014.5	181.9	002.1000	0076.9	077.9	36.66
308.0	001.0000	0063.0	014.5	181.8	002.1000	0076.7	077.7	36.70
309.0	001.0000	0062.9	014.5	181.7	002.1000	0076.5	077.5	36.74
310.0	001.0000	0063.1	014.5	181.6	002.1000	0076.4	077.3	36.79
311.0	001.0000	0063.4	014.5	181.5	002.1000	0076.2	077.1	36.84
312.0	001.0000	0063.5	014.5	181.4	002.1000	0076.1	076.9	36.88
313.0	001.0000	0063.2	014.5	181.2	002.1000	0075.9	076.7	36.92
314.0	001.0000	0062.4	014.4	181.1	002.1000	0075.7	076.6	36.94
315.0	001.0000	0061.4	014.3	180.9	002.1000	0075.5	076.5	36.96
316.0	001.0000	0060.5	014.2	180.7	002.1000	0075.3	076.4	36.98
317.0	001.0000	0059.9	014.2	180.5	002.1000	0075.2	076.2	37.01
318.0	001.0000	0059.9	014.2	180.4	002.1000	0075.2	076.1	37.05
319.0	001.0000	0060.3	014.2	180.3	002.1000	0075.1	075.9	37.10
320.0	001.0000	0061.3	014.3	180.2	002.1000	0075.0	075.6	37.16
321.0	001.0000	0062.4	014.4	180.1	002.1000	0074.9	075.4	37.22
322.0	001.0000	0063.3	014.5	180.0	002.1000	0074.9	075.2	37.27
323.0	001.0000	0064.0	014.6	179.9	002.1000	0074.8	075.0	37.32
324.0	001.0000	0064.7	014.6	179.8	002.1000	0074.7	074.7	37.38
325.0	001.0000	0065.6	014.7	179.6	002.1000	0074.6	074.5	37.43
326.0	001.0000	0066.4	014.8	179.5	002.1000	0074.5	074.3	37.48
327.0	001.0000	0067.1	014.9	179.4	002.1000	0074.4	074.1	37.53

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
328.0	001.0000	0067.5	014.9	179.2	002.1000	0074.3	073.9	37.57
329.0	001.0000	0067.7	015.0	179.0	002.1000	0074.2	073.8	37.60
330.0	001.0000	0067.7	015.0	178.9	002.1000	0074.0	073.6	37.63
331.0	001.0000	0067.6	015.0	178.7	002.1000	0073.9	073.5	37.65
332.0	001.0000	0067.7	015.0	178.5	002.1000	0073.8	073.4	37.68
333.0	001.0000	0067.8	015.0	178.3	002.1000	0073.6	073.3	37.70
334.0	001.0000	0067.8	015.0	178.1	002.1000	0073.5	073.2	37.72
335.0	001.0000	0067.6	015.0	177.9	002.1000	0073.3	073.1	37.74
336.0	001.0000	0067.2	014.9	177.7	002.1000	0073.2	073.0	37.75
337.0	001.0000	0066.6	014.9	177.5	002.1000	0073.1	073.0	37.75
338.0	001.0000	0066.1	014.8	177.3	002.1000	0073.0	072.9	37.75
339.0	001.0000	0065.7	014.8	177.1	002.1000	0072.9	072.9	37.76
340.0	001.0000	0065.2	014.7	176.9	002.1000	0072.8	072.9	37.76
341.0	001.0000	0064.7	014.7	176.7	002.1000	0072.7	072.9	37.76
342.0	001.0000	0064.1	014.6	176.5	002.1000	0072.7	072.9	37.76
343.0	001.0000	0063.6	014.5	176.3	002.1000	0072.6	072.8	37.76
344.0	001.0000	0063.0	014.5	176.1	002.1000	0072.6	072.8	37.75
345.0	001.0000	0062.3	014.4	175.9	002.1000	0072.5	072.9	37.75
346.0	001.0000	0061.4	014.3	175.7	002.1000	0072.4	072.9	37.73
347.0	001.0000	0060.7	014.2	175.5	002.1000	0072.4	073.0	37.72
348.0	001.0000	0060.0	014.2	175.3	002.1000	0072.4	073.0	37.71
349.0	001.0000	0059.4	014.1	175.1	002.1000	0072.3	073.0	37.70
350.0	001.0000	0058.8	014.0	174.9	002.1000	0072.4	073.1	37.69
351.0	001.0000	0058.2	014.0	174.7	002.1000	0072.4	073.1	37.68
352.0	001.0000	0057.6	013.9	174.5	002.1000	0072.5	073.2	37.67
353.0	001.0000	0056.7	013.8	174.3	002.1000	0072.6	073.3	37.65
354.0	001.0000	0055.7	013.7	174.1	002.1000	0072.7	073.4	37.63
355.0	001.0000	0054.9	013.6	173.9	002.1000	0072.8	073.5	37.61
356.0	001.0000	0054.2	013.5	173.8	002.1000	0072.9	073.6	37.59
357.0	001.0000	0053.5	013.4	173.6	002.1000	0073.1	073.7	37.57
358.0	001.0000	0053.1	013.4	173.4	002.1000	0073.2	073.7	37.56
359.0	001.0000	0053.5	013.4	173.2	002.1000	0073.3	073.7	37.57
000.0	001.0000	0054.2	013.5	173.0	002.1000	0073.4	073.6	37.59
001.0	001.0000	0054.8	013.6	172.8	002.1000	0073.5	073.6	37.61
002.0	001.0000	0055.7	013.7	172.6	002.1000	0073.6	073.5	37.64
003.0	001.0000	0056.2	013.7	172.4	002.1000	0073.8	073.5	37.65
004.0	001.0000	0056.5	013.8	172.3	002.1000	0073.9	073.5	37.66
005.0	001.0000	0056.6	013.8	172.1	002.1000	0073.9	073.6	37.65
006.0	001.0000	0056.5	013.8	171.9	002.1000	0074.0	073.6	37.63
007.0	001.0000	0056.2	013.7	171.7	002.1000	0074.0	073.7	37.61
008.0	001.0000	0055.9	013.7	171.5	002.1000	0074.1	073.8	37.59
009.0	001.0000	0055.6	013.7	171.4	002.1000	0074.1	073.9	37.56
010.0	001.0000	0055.4	013.6	171.2	002.1000	0074.1	074.0	37.54
011.0	001.0000	0055.3	013.6	171.0	002.1000	0074.1	074.1	37.51
012.0	001.0000	0055.0	013.6	170.9	002.1000	0074.1	074.2	37.48
013.0	001.0000	0054.9	013.6	170.7	002.1000	0074.1	074.3	37.45
014.0	001.0000	0054.9	013.6	170.5	002.1000	0074.1	074.4	37.43
015.0	001.0000	0055.0	013.6	170.4	002.1000	0074.1	074.5	37.41
016.0	001.0000	0054.9	013.6	170.2	002.1000	0074.1	074.6	37.38
017.0	001.0000	0054.7	013.6	170.1	002.1000	0074.1	074.7	37.34
018.0	001.0000	0054.3	013.5	169.9	002.1000	0074.0	074.9	37.30

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
019.0	001.0000	0053.8	013.4	169.8	002.1000	0074.0	075.1	37.25
020.0	001.0000	0052.9	013.3	169.7	002.1000	0074.0	075.3	37.19
021.0	001.0000	0051.7	013.2	169.6	002.1000	0074.0	075.5	37.13
022.0	001.0000	0050.2	013.0	169.5	002.1000	0074.0	075.8	37.05
023.0	001.0000	0048.7	012.8	169.4	002.1000	0073.9	076.1	36.97
024.0	001.0000	0047.3	012.6	169.4	002.1000	0073.9	076.4	36.90
025.0	001.0000	0046.1	012.4	169.3	002.1000	0073.9	076.6	36.83
026.0	001.0000	0045.2	012.3	169.2	002.1000	0073.9	076.9	36.77
027.0	001.0000	0044.6	012.2	169.1	002.1000	0073.9	077.1	36.72
028.0	001.0000	0044.5	012.2	169.0	002.1000	0073.9	077.2	36.68
029.0	001.0000	0044.7	012.3	168.9	002.1000	0073.8	077.3	36.65
030.0	001.0000	0045.2	012.3	168.7	002.1000	0073.8	077.4	36.62
031.0	001.0000	0045.8	012.4	168.6	002.1000	0073.8	077.5	36.59
032.0	001.0000	0046.6	012.5	168.4	002.1000	0073.7	077.6	36.57
033.0	001.0000	0047.7	012.7	168.2	002.1000	0073.6	077.6	36.56
034.0	001.0000	0049.0	012.8	168.0	002.1000	0073.5	077.6	36.54
035.0	001.0000	0050.2	013.0	167.8	002.1000	0073.5	077.7	36.52
036.0	001.0000	0051.1	013.1	167.6	002.1000	0073.4	077.8	36.50
037.0	001.0000	0051.7	013.2	167.5	002.1000	0073.3	077.9	36.46
038.0	001.0000	0052.0	013.2	167.3	002.1000	0073.2	078.1	36.42
039.0	001.0000	0052.5	013.3	167.2	002.1000	0073.2	078.2	36.38
040.0	001.0000	0053.1	013.4	167.1	002.1000	0073.1	078.3	36.34
041.0	001.0000	0053.7	013.4	166.9	002.1000	0073.0	078.5	36.29
042.0	001.0000	0054.3	013.5	166.8	002.1000	0072.9	078.6	36.25
043.0	001.0000	0054.8	013.6	166.6	002.1000	0072.9	078.8	36.20
044.0	001.0000	0055.2	013.6	166.5	002.1000	0072.8	079.0	36.16
045.0	001.0000	0055.6	013.7	166.4	002.1000	0072.7	079.1	36.11
046.0	001.0000	0056.0	013.7	166.3	002.1000	0072.7	079.3	36.06
047.0	001.0000	0056.4	013.8	166.2	002.1000	0072.6	079.5	36.00
048.0	001.0000	0056.9	013.8	166.0	002.1000	0072.5	079.7	35.95
049.0	001.0000	0057.4	013.9	165.9	002.1000	0072.5	079.9	35.90
050.0	001.0000	0057.8	013.9	165.8	002.1000	0072.4	080.1	35.84
051.0	001.0000	0058.0	013.9	165.7	002.1000	0072.4	080.3	35.79
052.0	001.0000	0057.8	013.9	165.7	002.1000	0072.3	080.5	35.73
053.0	001.0000	0057.5	013.9	165.6	002.1000	0072.3	080.8	35.66
054.0	001.0000	0057.0	013.8	165.6	002.1000	0072.3	081.0	35.60