

Exhibit 13.3 - Contour Protection of WQUS (FM), Lapeer, MI

Scale 1:750,000

FMCommander Single Allocation Study - 01-28-2016 - USGS 03 SEC

FACILITY's Overlaps (In= -32.53 km, Out= 0.29 km)

FACILITY CH 276 D DA

Lat= 42 38 54.9, Lng= 83 04 31.3

0.25 kW 93.8 m HAAT, 314 m COR

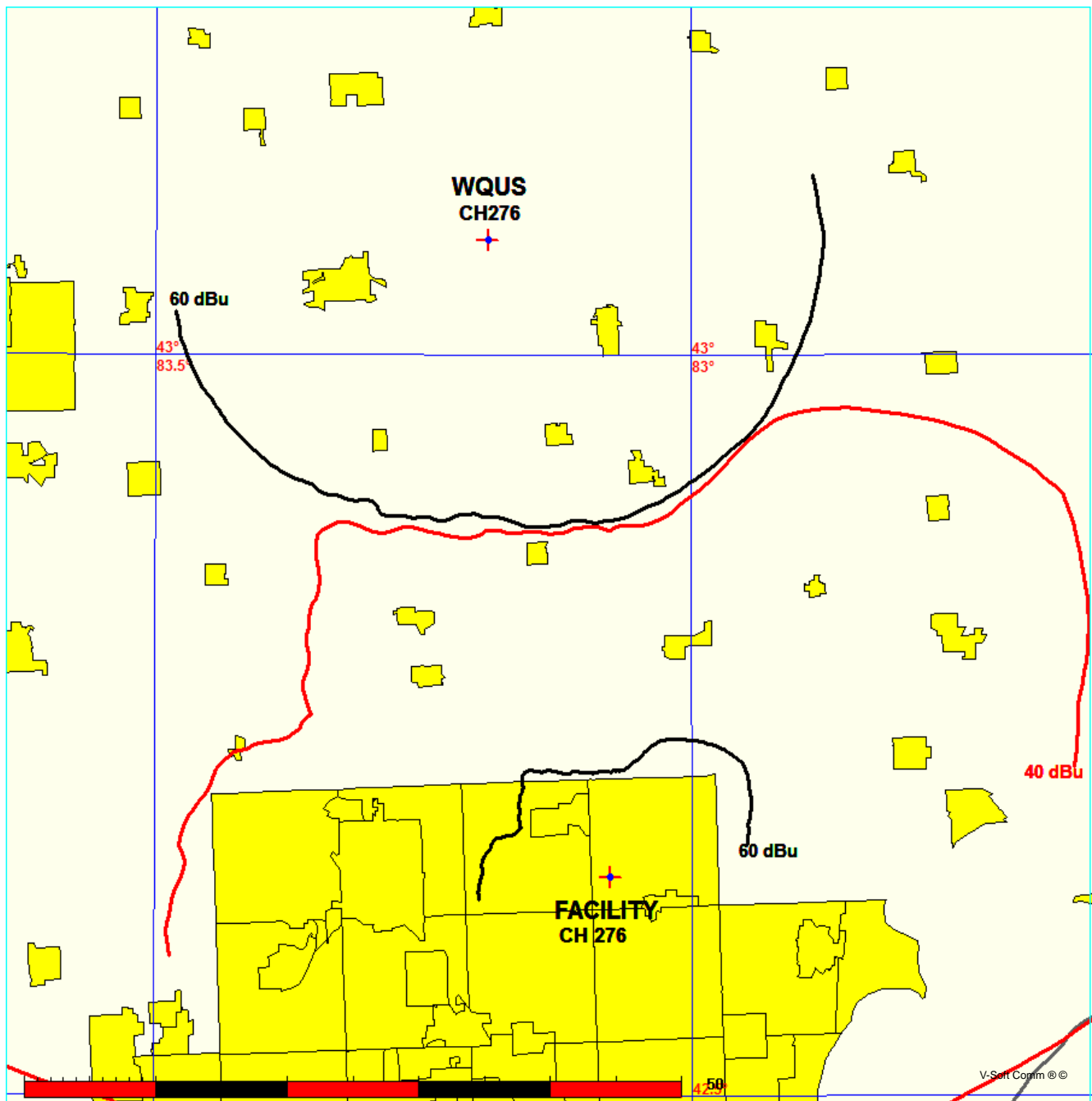
Prot.= 60 dBu, Intef.= 40 dBu

WQUS CH 276 A BLH20051130AIO

Lat= 43 04 43.0, Lng= 83 11 24.0

2.6 kW 104 m HAAT, 365 m COR

Prot.= 60 dBu, Intef.= 40 dBu



01-28-2016

Terrain Data: USGS 03 SEC

FMOver Analysis

FACILITY

WQUS BLH20051130AIO

Channel = 276D

Max ERP = 0.25 kW

RCAMSL = 314 m

N. Lat. 42 38 54.9

W. Lng. 83 04 31.3

Protected

60 dBu

Channel = 276A

Max ERP = 2.6 kW

RCAMSL = 365 m

N. Lat. 43 04 43.0

W. Lng. 83 11 24.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
289.0	000.2500	0046.0	008.8	178.7	002.6000	0079.5	044.9	48.06*	24.62
290.0	000.2500	0044.4	008.7	178.4	002.6000	0079.5	044.9	48.09*	24.70
291.0	000.2500	0042.4	008.4	178.1	002.6000	0079.5	044.8	48.11*	24.75
292.0	000.2500	0039.8	008.1	177.7	002.6000	0079.5	044.8	48.11*	24.76
293.0	000.2500	0038.3	008.0	177.4	002.6000	0079.6	044.7	48.15*	24.84
294.0	000.2500	0037.6	007.9	177.2	002.6000	0079.8	044.7	48.20*	24.97
295.0	000.2500	0036.7	007.8	177.0	002.6000	0080.0	044.6	48.25*	25.10
296.0	000.2500	0036.8	007.8	177.0	002.6000	0080.1	044.5	48.30*	25.25
297.0	000.2500	0036.5	007.8	176.8	002.6000	0080.3	044.4	48.36*	25.39
298.0	000.2500	0035.9	007.7	176.7	002.6000	0080.5	044.3	48.41*	25.51
299.0	000.2500	0037.3	007.9	176.8	002.6000	0080.4	044.1	48.47*	25.69
300.0	000.2500	0038.9	008.0	176.8	002.6000	0080.3	043.9	48.54*	25.87
301.0	000.2500	0040.1	008.2	176.9	002.6000	0080.2	043.7	48.61*	26.05
302.0	000.2500	0041.0	008.3	176.9	002.6000	0080.2	043.5	48.67*	26.23
303.0	000.2500	0041.3	008.3	176.8	002.6000	0080.3	043.4	48.74*	26.39
304.0	000.2500	0041.6	008.4	176.8	002.6000	0080.4	043.2	48.80*	26.55
305.0	000.2500	0042.3	008.4	176.7	002.6000	0080.4	043.0	48.86*	26.72
306.0	000.2500	0043.1	008.5	176.7	002.6000	0080.4	042.9	48.93*	26.90
307.0	000.2500	0045.0	008.7	176.8	002.6000	0080.3	042.6	49.02*	27.13
308.0	000.2500	0046.1	008.8	176.8	002.6000	0080.4	042.4	49.10*	27.32
309.0	000.2500	0046.7	008.9	176.7	002.6000	0080.4	042.3	49.17*	27.50
310.0	000.2500	0047.8	009.0	176.7	002.6000	0080.5	042.1	49.25*	27.71
311.0	000.2500	0048.8	009.1	176.6	002.6000	0080.5	041.9	49.33*	27.91
312.0	000.2500	0049.4	009.2	176.5	002.6000	0080.6	041.7	49.40*	28.08
313.0	000.2500	0049.6	009.2	176.4	002.6000	0080.8	041.6	49.46*	28.25
314.0	000.2500	0050.4	009.3	176.3	002.6000	0080.9	041.4	49.54*	28.44
315.0	000.2500	0051.4	009.4	176.2	002.6000	0080.9	041.2	49.62*	28.64
316.0	000.2500	0053.6	009.6	176.3	002.6000	0080.9	041.0	49.73*	28.91
317.0	000.2500	0055.7	009.8	176.2	002.6000	0080.9	040.7	49.83*	29.17
318.0	000.2500	0057.8	010.0	176.2	002.6000	0081.0	040.5	49.94*	29.43
319.0	000.2500	0059.4	010.1	176.1	002.6000	0081.0	040.3	50.03*	29.65
320.0	000.2500	0059.2	010.1	175.9	002.6000	0081.3	040.2	50.09*	29.79
321.0	000.2455	0059.3	010.1	175.7	002.6000	0081.5	040.1	50.14*	29.92
322.0	000.2411	0059.6	010.1	175.4	002.6000	0081.8	040.0	50.20*	30.06
323.0	000.2367	0058.8	009.9	175.2	002.6000	0082.1	040.0	50.24*	30.13
324.0	000.2323	0056.9	009.7	174.8	002.6000	0082.6	040.1	50.25*	30.15

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	
325.0	000.2280	0054.8	009.5	174.4	002.6000	0083.1	040.2	50.26*	30.15
326.0	000.2237	0053.8	009.4	174.1	002.6000	0083.5	040.3	50.28*	30.20
327.0	000.2195	0053.6	009.3	173.9	002.6000	0083.9	040.2	50.33*	30.31
328.0	000.2153	0053.8	009.3	173.6	002.6000	0084.3	040.2	50.38*	30.42
329.0	000.2111	0053.8	009.2	173.4	002.6000	0084.6	040.2	50.42*	30.52
330.0	000.2070	0053.4	009.2	173.2	002.6000	0084.9	040.2	50.45*	30.57
331.0	000.2007	0052.6	009.0	172.9	002.6000	0085.3	040.3	50.45*	30.57
332.0	000.1940	0051.8	008.8	172.6	002.6000	0085.6	040.3	50.45*	30.55
333.0	000.1879	0051.3	008.7	172.3	002.6000	0085.9	040.4	50.45*	30.55
334.0	000.1815	0050.9	008.6	172.1	002.6000	0086.2	040.5	50.45*	30.54
335.0	000.1751	0050.5	008.5	171.8	002.6000	0086.5	040.5	50.45*	30.53
336.0	000.1693	0050.2	008.4	171.6	002.6000	0086.7	040.6	50.45*	30.52
337.0	000.1632	0050.3	008.3	171.3	002.6000	0086.9	040.6	50.45*	30.52
338.0	000.1576	0051.0	008.3	171.1	002.6000	0087.0	040.6	50.47*	30.57
339.0	000.1521	0051.9	008.3	170.9	002.6000	0087.1	040.6	50.50*	30.63
340.0	000.1463	0053.3	008.3	170.7	002.6000	0087.2	040.5	50.54*	30.72
341.0	000.1399	0053.8	008.3	170.5	002.6000	0087.4	040.5	50.54*	30.71
342.0	000.1336	0054.2	008.2	170.3	002.6000	0087.5	040.6	50.53*	30.69
343.0	000.1274	0054.5	008.1	170.1	002.6000	0087.6	040.7	50.51*	30.65
344.0	000.1215	0054.9	008.0	169.9	002.6000	0087.7	040.7	50.50*	30.62
345.0	000.1159	0055.9	008.0	169.7	002.6000	0087.8	040.7	50.51*	30.62
346.0	000.1102	0057.3	008.0	169.5	002.6000	0087.9	040.7	50.51*	30.64
347.0	000.1047	0058.1	008.0	169.3	002.6000	0087.9	040.8	50.50*	30.61
348.0	000.0992	0059.4	007.9	169.1	002.6000	0088.0	040.8	50.50*	30.61
349.0	000.0939	0060.3	007.9	168.9	002.6000	0088.1	040.8	50.48*	30.56
350.0	000.0888	0061.3	007.8	168.7	002.6000	0088.2	040.9	50.47*	30.53
351.0	000.0867	0062.0	007.8	168.5	002.6000	0088.3	040.9	50.48*	30.55
352.0	000.0847	0062.7	007.8	168.3	002.6000	0088.4	040.9	50.48*	30.55
353.0	000.0829	0064.0	007.8	168.1	002.6000	0088.5	040.9	50.50*	30.59
354.0	000.0809	0065.2	007.9	167.9	002.6000	0088.6	040.9	50.51*	30.61
355.0	000.0790	0066.1	007.9	167.8	002.6000	0088.7	040.9	50.51*	30.62
356.0	000.0770	0067.2	007.9	167.6	002.6000	0088.7	040.9	50.52*	30.63
357.0	000.0751	0068.1	007.9	167.4	002.6000	0088.8	040.9	50.51*	30.62
358.0	000.0734	0068.4	007.8	167.2	002.6000	0088.8	041.0	50.50*	30.58
359.0	000.0716	0068.6	007.8	167.0	002.6000	0088.9	041.1	50.47*	30.51
000.0	000.0697	0068.8	007.8	166.8	002.6000	0088.9	041.1	50.44*	30.45
001.0	000.0716	0069.4	007.8	166.6	002.6000	0088.9	041.1	50.47*	30.51
002.0	000.0734	0069.3	007.9	166.4	002.6000	0089.0	041.1	50.48*	30.53
003.0	000.0754	0068.2	007.9	166.2	002.6000	0089.0	041.1	50.46*	30.48
004.0	000.0773	0067.6	007.9	166.1	002.6000	0089.0	041.1	50.45*	30.47
005.0	000.0790	0066.9	007.9	165.9	002.6000	0089.0	041.2	50.44*	30.43
006.0	000.0809	0067.0	008.0	165.7	002.6000	0089.1	041.2	50.44*	30.44
007.0	000.0829	0067.2	008.0	165.4	002.6000	0089.1	041.2	50.45*	30.46
008.0	000.0850	0067.8	008.1	165.2	002.6000	0089.1	041.1	50.47*	30.50
009.0	000.0870	0068.5	008.2	165.0	002.6000	0089.2	041.1	50.49*	30.55
010.0	000.0891	0070.1	008.4	164.7	002.6000	0089.2	041.0	50.52*	30.63
011.0	000.0930	0071.8	008.6	164.4	002.6000	0089.2	040.9	50.57*	30.75
012.0	000.0970	0073.1	008.8	164.1	002.6000	0089.1	040.8	50.60*	30.83
013.0	000.1011	0074.4	008.9	163.8	002.6000	0089.1	040.7	50.63*	30.90
014.0	000.1053	0076.4	009.2	163.4	002.6000	0089.1	040.6	50.68*	31.01
015.0	000.1096	0079.1	009.4	163.1	002.6000	0089.0	040.5	50.73*	31.14

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	
016.0	000.1139	0081.6	009.7	162.7	002.6000	0089.1	040.4	50.78*	31.27
017.0	000.1183	0085.2	010.0	162.2	002.6000	0089.4	040.2	50.87*	31.47
018.0	000.1229	0088.7	010.2	161.8	002.6000	0089.8	040.1	50.96*	31.68
019.0	000.1274	0091.3	010.5	161.4	002.6000	0090.3	040.0	51.05*	31.87
020.0	000.1321	0093.9	010.7	161.0	002.6000	0091.1	039.9	51.15*	32.10
021.0	000.1340	0096.0	010.9	160.6	002.6000	0091.8	039.9	51.21*	32.24
022.0	000.1362	0097.7	011.0	160.3	002.6000	0092.5	039.9	51.26*	32.35
023.0	000.1380	0099.1	011.1	160.0	002.6000	0093.1	040.0	51.30*	32.42
024.0	000.1403	0100.4	011.2	159.7	002.6000	0093.6	040.1	51.33*	32.47
025.0	000.1421	0101.7	011.3	159.4	002.6000	0094.2	040.1	51.35*	32.51
026.0	000.1440	0102.9	011.4	159.1	002.6000	0094.6	040.2	51.36*	32.53
027.0	000.1463	0104.1	011.5	158.8	002.6000	0095.0	040.3	51.36*	32.53
028.0	000.1482	0105.0	011.6	158.5	002.6000	0095.3	040.4	51.35*	32.49
029.0	000.1505	0105.8	011.7	158.2	002.6000	0095.5	040.5	51.33*	32.43
030.0	000.1525	0106.6	011.8	157.9	002.6000	0095.8	040.6	51.30*	32.36
031.0	000.1556	0107.3	011.9	157.6	002.6000	0096.0	040.7	51.27*	32.29
032.0	000.1592	0107.8	012.0	157.4	002.6000	0096.1	040.8	51.24*	32.21
033.0	000.1628	0108.3	012.0	157.1	002.6000	0096.2	040.9	51.20*	32.10
034.0	000.1661	0108.8	012.1	156.8	002.6000	0096.4	041.0	51.16*	32.01
035.0	000.1697	0109.3	012.2	156.6	002.6000	0096.6	041.2	51.12*	31.92
036.0	000.1731	0109.8	012.3	156.3	002.6000	0096.9	041.3	51.09*	31.84
037.0	000.1764	0110.5	012.4	156.1	002.6000	0097.2	041.5	51.06*	31.76
038.0	000.1802	0111.1	012.5	155.8	002.6000	0097.6	041.6	51.03*	31.68
039.0	000.1840	0111.6	012.6	155.6	002.6000	0097.9	041.8	50.99*	31.58
040.0	000.1875	0112.1	012.7	155.3	002.6000	0098.0	041.9	50.94*	31.45
041.0	000.1888	0112.5	012.7	155.1	002.6000	0098.2	042.1	50.88*	31.30
042.0	000.1901	0113.0	012.8	155.0	002.6000	0098.4	042.3	50.82*	31.15
043.0	000.1914	0113.4	012.8	154.8	002.6000	0098.5	042.5	50.75*	30.98
044.0	000.1927	0113.9	012.9	154.6	002.6000	0098.6	042.7	50.69*	30.82
045.0	000.1940	0114.5	012.9	154.4	002.6000	0098.7	042.9	50.62*	30.64
046.0	000.1954	0115.0	013.0	154.3	002.6000	0098.8	043.1	50.54*	30.46
047.0	000.1967	0115.4	013.0	154.1	002.6000	0098.9	043.3	50.47*	30.28
048.0	000.1980	0115.8	013.0	154.0	002.6000	0099.0	043.5	50.40*	30.09

01-28-2016

Terrain Data: USGS 03 SEC

FMOver Analysis

WQUS BLH20051130AIO

FACILITY

Channel = 276A

Max ERP = 2.6 kW

RCAMSL = 365 m

N. Lat. 43 04 43.0

W. Lng. 83 11 24.0

Protected

60 dBu

Channel = 276D

Max ERP = 0.25 kW

RCAMSL = 314 m

N. Lat. 42 38 54.9

W. Lng. 83 04 31.3

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
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Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
109.0	002.6000	0115.4	025.0	019.9	000.1317	0093.7	042.2	37.51
110.0	002.6000	0115.2	025.0	019.9	000.1316	0093.6	041.7	37.68
111.0	002.6000	0114.9	025.0	019.8	000.1314	0093.5	041.3	37.84
112.0	002.6000	0114.7	025.0	019.8	000.1312	0093.4	040.8	38.00
113.0	002.6000	0114.3	024.9	019.7	000.1308	0093.2	040.4	38.15
114.0	002.6000	0113.9	024.9	019.6	000.1303	0092.9	040.0	38.29
115.0	002.6000	0113.5	024.9	019.5	000.1298	0092.6	039.5	38.43
116.0	002.6000	0113.4	024.9	019.4	000.1294	0092.4	039.1	38.58
117.0	002.6000	0113.4	024.9	019.4	000.1291	0092.2	038.7	38.73
118.0	002.6000	0113.6	024.9	019.3	000.1288	0092.0	038.3	38.89
119.0	002.6000	0113.8	024.9	019.2	000.1284	0091.8	037.8	39.04
120.0	002.6000	0113.9	024.9	019.1	000.1279	0091.5	037.4	39.18
121.0	002.6000	0113.9	024.9	019.0	000.1273	0091.2	037.0	39.32
122.0	002.6000	0113.6	024.9	018.8	000.1264	0090.7	036.6	39.42
123.0	002.6000	0113.4	024.8	018.6	000.1255	0090.2	036.1	39.53
124.0	002.6000	0113.1	024.8	018.4	000.1245	0089.7	035.7	39.62
125.0	002.6000	0112.9	024.8	018.1	000.1235	0089.1	035.3	39.71
126.0	002.6000	0112.6	024.8	017.9	000.1222	0088.3	034.9	39.78
127.0	002.6000	0111.9	024.7	017.5	000.1208	0087.3	034.5	39.79
128.0	002.6000	0111.2	024.6	017.2	000.1191	0086.0	034.1	39.77
129.0	002.6000	0110.2	024.5	016.8	000.1173	0084.2	033.8	39.68
130.0	002.6000	0108.9	024.4	016.3	000.1151	0082.4	033.4	39.56
131.0	002.6000	0107.9	024.3	015.8	000.1131	0081.1	033.1	39.50
132.0	002.6000	0107.6	024.3	015.4	000.1114	0080.1	032.7	39.50
133.0	002.6000	0107.3	024.2	015.0	000.1097	0079.2	032.4	39.49
134.0	002.6000	0107.1	024.2	014.6	000.1080	0078.1	032.0	39.47
135.0	002.6000	0106.8	024.2	014.2	000.1062	0076.9	031.7	39.43
136.0	002.6000	0106.2	024.1	013.7	000.1041	0075.7	031.3	39.36
137.0	002.6000	0105.6	024.1	013.2	000.1019	0074.7	031.0	39.31
138.0	002.6000	0105.0	024.0	012.6	000.0997	0073.8	030.7	39.27
139.0	002.6000	0104.5	023.9	012.1	000.0975	0073.2	030.4	39.25
140.0	002.6000	0104.2	023.9	011.6	000.0953	0072.7	030.1	39.26
141.0	002.6000	0104.0	023.9	011.0	000.0931	0071.8	029.8	39.23
142.0	002.6000	0103.7	023.9	010.5	000.0909	0070.8	029.5	39.17
143.0	002.6000	0103.4	023.8	009.9	000.0888	0069.9	029.2	39.11
144.0	002.6000	0103.0	023.8	009.2	000.0875	0068.9	028.9	39.08
145.0	002.6000	0102.5	023.7	008.6	000.0861	0068.1	028.7	39.06
146.0	002.6000	0102.1	023.7	007.9	000.0848	0067.7	028.4	39.09
147.0	002.6000	0101.6	023.6	007.2	000.0833	0067.3	028.2	39.10
148.0	002.6000	0101.0	023.6	006.5	000.0818	0067.1	028.0	39.12
149.0	002.6000	0100.5	023.5	005.7	000.0804	0066.9	027.8	39.15
150.0	002.6000	0100.1	023.5	005.0	000.0789	0066.9	027.6	39.20
151.0	002.6000	0100.0	023.4	004.2	000.0777	0067.5	027.4	39.34
152.0	002.6000	0100.0	023.4	003.5	000.0764	0067.8	027.1	39.45
153.0	002.6000	0099.7	023.4	002.7	000.0749	0068.4	027.0	39.55
154.0	002.6000	0099.0	023.3	001.9	000.0733	0069.4	026.8	39.66
155.0	002.6000	0098.3	023.3	001.0	000.0716	0069.4	026.7	39.64
156.0	002.6000	0097.3	023.1	000.2	000.0700	0068.9	026.7	39.51
157.0	002.6000	0096.3	023.0	359.3	000.0711	0068.7	026.6	39.58
158.0	002.6000	0095.7	023.0	358.4	000.0727	0068.5	026.5	39.72

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
159.0	002.6000	0094.7	022.8	357.5	000.0742	0068.3	026.5	39.81
160.0	002.6000	0093.0	022.6	356.6	000.0759	0067.7	026.6	39.77
161.0	002.6000	0091.0	022.4	355.6	000.0778	0066.7	026.7	39.67
162.0	002.6000	0089.5	022.2	354.7	000.0796	0065.8	026.8	39.61
163.0	002.6000	0089.0	022.1	353.9	000.0812	0065.0	026.8	39.60
164.0	002.6000	0089.1	022.2	353.1	000.0828	0064.1	026.7	39.62
165.0	002.6000	0089.2	022.2	352.2	000.0843	0062.9	026.6	39.59
166.0	002.6000	0089.0	022.1	351.4	000.0859	0062.2	026.6	39.59
167.0	002.6000	0088.9	022.1	350.6	000.0876	0061.8	026.6	39.64
168.0	002.6000	0088.5	022.1	349.7	000.0902	0061.0	026.6	39.64
169.0	002.6000	0088.0	022.0	348.9	000.0944	0060.2	026.7	39.70
170.0	002.6000	0087.7	022.0	348.1	000.0988	0059.5	026.7	39.77
171.0	002.6000	0087.1	021.9	347.3	000.1032	0058.4	026.8	39.74
172.0	002.6000	0086.2	021.8	346.5	000.1075	0057.7	027.0	39.74
173.0	002.6000	0085.1	021.7	345.7	000.1118	0056.9	027.2	39.67
174.0	002.6000	0083.7	021.5	345.0	000.1160	0055.9	027.4	39.53
175.0	002.6000	0082.3	021.3	344.3	000.1199	0055.2	027.6	39.41
176.0	002.6000	0081.2	021.2	343.6	000.1238	0054.6	027.8	39.33
177.0	002.6000	0080.1	021.0	342.9	000.1279	0054.5	028.1	39.31
178.0	002.6000	0079.5	020.9	342.3	000.1320	0054.3	028.2	39.32
179.0	002.6000	0079.5	020.9	341.5	000.1364	0054.0	028.3	39.35
180.0	002.6000	0079.4	020.9	340.9	000.1408	0053.7	028.5	39.36
181.0	002.6000	0078.9	020.9	340.2	000.1450	0053.4	028.7	39.34
182.0	002.6000	0077.8	020.7	339.6	000.1484	0052.9	028.9	39.19
183.0	002.6000	0077.2	020.6	339.1	000.1518	0052.0	029.1	39.02
184.0	002.6000	0077.8	020.7	338.3	000.1557	0051.2	029.2	38.95
185.0	002.6000	0078.3	020.8	337.6	000.1596	0050.7	029.3	38.92
186.0	002.6000	0078.9	020.9	337.0	000.1635	0050.3	029.4	38.89
187.0	002.6000	0080.2	021.0	336.2	000.1682	0050.2	029.5	38.97
188.0	002.6000	0081.9	021.2	335.3	000.1732	0050.4	029.5	39.13
189.0	002.6000	0083.1	021.4	334.6	000.1778	0050.7	029.5	39.26
190.0	002.6000	0083.9	021.5	333.9	000.1823	0051.0	029.7	39.34
191.0	002.6000	0083.8	021.5	333.3	000.1859	0051.1	029.9	39.32
192.0	002.6000	0083.1	021.4	332.9	000.1888	0051.4	030.2	39.27
193.0	002.6000	0083.1	021.4	332.3	000.1921	0051.6	030.5	39.28
194.0	002.6000	0084.1	021.5	331.6	000.1965	0052.1	030.6	39.37
195.0	002.6000	0085.4	021.7	330.9	000.2013	0052.7	030.8	39.50
196.0	002.6000	0085.7	021.7	330.4	000.2048	0053.2	031.0	39.54
197.0	002.6000	0086.1	021.8	329.8	000.2078	0053.5	031.2	39.55
198.0	002.6000	0086.9	021.9	329.2	000.2103	0053.8	031.4	39.54
199.0	002.6000	0087.5	022.0	328.7	000.2126	0053.9	031.7	39.49
200.0	002.6000	0088.6	022.1	328.0	000.2152	0053.8	031.9	39.43
201.0	002.6000	0089.5	022.2	327.4	000.2176	0053.6	032.1	39.35
202.0	002.6000	0087.8	022.0	327.3	000.2180	0053.6	032.6	39.17
203.0	002.6000	0085.3	021.7	327.4	000.2177	0053.6	033.1	38.95
204.0	002.6000	0084.5	021.6	327.2	000.2186	0053.6	033.4	38.81
205.0	002.6000	0085.1	021.7	326.8	000.2205	0053.6	033.7	38.74
206.0	002.6000	0086.5	021.8	326.2	000.2230	0053.7	034.0	38.70
207.0	002.6000	0088.3	022.1	325.5	000.2258	0054.1	034.2	38.72
208.0	002.6000	0089.4	022.2	325.0	000.2279	0054.8	034.5	38.75
209.0	002.6000	0090.2	022.3	324.6	000.2297	0055.6	034.8	38.78

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
210.0	002.6000	0090.7	022.4	324.2	000.2313	0056.5	035.1	38.80
211.0	002.6000	0091.7	022.5	323.8	000.2332	0057.4	035.4	38.83
212.0	002.6000	0093.6	022.7	323.2	000.2357	0058.5	035.7	38.91
213.0	002.6000	0094.7	022.8	322.8	000.2375	0059.0	036.0	38.88
214.0	002.6000	0094.7	022.8	322.6	000.2384	0059.1	036.4	38.76
215.0	002.6000	0094.1	022.8	322.5	000.2388	0059.2	036.8	38.62
216.0	002.6000	0094.0	022.8	322.3	000.2396	0059.3	037.2	38.49
217.0	002.6000	0095.2	022.9	322.0	000.2412	0059.6	037.5	38.41
218.0	002.6000	0096.5	023.0	321.6	000.2428	0059.6	037.9	38.31
219.0	002.6000	0097.4	023.2	321.3	000.2442	0059.5	038.2	38.17
220.0	002.6000	0098.4	023.3	321.0	000.2454	0059.3	038.6	38.02
221.0	002.6000	0099.5	023.4	320.7	000.2467	0059.2	039.0	37.89
222.0	002.6000	0100.5	023.5	320.5	000.2478	0059.2	039.4	37.75
223.0	002.6000	0101.0	023.6	320.3	000.2486	0059.2	039.8	37.62
224.0	002.6000	0101.5	023.6	320.2	000.2492	0059.2	040.2	37.47
225.0	002.6000	0102.0	023.7	320.0	000.2498	0059.2	040.6	37.33
226.0	002.6000	0102.5	023.7	319.9	000.2500	0059.2	041.0	37.19
227.0	002.6000	0102.9	023.8	319.8	000.2500	0059.3	041.4	37.04
228.0	002.6000	0103.3	023.8	319.7	000.2500	0059.3	041.8	36.89