

FM Over Analysis

WJGM VS WBHU

09-17-2015

Terrain Data: USGS 03 SEC

WJGM BLH20031014AJX

WBHU

Channel = 289C3
Max ERP = 25 kW
RCAMSL = 121 M
N. Lat. 30 22 28.0
W. Lng. 82 01 42.0
Protected
60 dBu

Channel = 288C3
Max ERP = 17 kW
RCAMSL = 129 M
N. Lat. 29 51 01.0
W. Lng. 81 19 49.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
071.0	025.0000	0099.7	039.0	337.1	006.6242	0120.1	076.9	44.18	
072.0	025.0000	0099.6	039.0	337.0	006.6324	0120.1	076.2	44.39	
073.0	025.0000	0099.7	039.0	337.0	006.6402	0120.1	075.5	44.59	
074.0	025.0000	0099.8	039.0	337.0	006.6497	0120.1	074.8	44.80	
075.0	025.0000	0099.9	039.1	336.9	006.6608	0120.1	074.2	45.01	
076.0	025.0000	0100.0	039.1	336.8	006.6737	0120.1	073.5	45.22	
077.0	025.0000	0100.2	039.1	336.8	006.6876	0120.1	072.8	45.43	
078.0	025.0000	0100.3	039.1	336.7	006.7048	0120.1	072.1	45.64	
079.0	025.0000	0100.4	039.1	336.6	006.7235	0120.0	071.5	45.85	
080.0	025.0000	0100.5	039.2	336.4	006.7470	0120.0	070.8	46.07	
081.0	025.0000	0100.5	039.2	336.3	006.7719	0119.9	070.1	46.29	
082.0	025.0000	0100.6	039.2	336.2	006.7983	0119.9	069.5	46.50	
083.0	025.0000	0100.8	039.2	336.0	006.8263	0119.8	068.8	46.72	
084.0	025.0000	0101.0	039.2	335.9	006.8522	0119.8	068.2	46.94	
085.0	025.0000	0101.1	039.3	335.7	006.8818	0119.8	067.5	47.17	
086.0	025.0000	0101.2	039.3	335.5	006.9159	0119.8	066.9	47.39	
087.0	025.0000	0101.1	039.3	335.3	006.9549	0119.8	066.2	47.61	
088.0	025.0000	0100.9	039.2	335.0	006.9984	0119.7	065.6	47.84	
089.0	025.0000	0100.6	039.2	334.8	007.0478	0119.7	065.0	48.06	
090.0	025.0000	0100.2	039.1	334.5	007.1031	0119.7	064.4	48.28	
091.0	025.0000	0099.8	039.1	334.1	007.1600	0119.7	063.8	48.50	
092.0	025.0000	0099.5	039.0	333.8	007.2229	0119.6	063.3	48.72	
093.0	025.0000	0099.2	039.0	333.5	007.2899	0119.6	062.7	48.95	
094.0	025.0000	0099.0	038.9	333.1	007.3586	0119.6	062.1	49.19	
095.0	025.0000	0098.9	038.9	332.8	007.4245	0119.6	061.6	49.42	
096.0	025.0000	0098.7	038.9	332.4	007.4911	0119.5	061.0	49.65	
097.0	025.0000	0098.6	038.8	332.0	007.5599	0119.5	060.5	49.88	
098.0	025.0000	0098.5	038.8	331.6	007.6393	0119.4	059.9	50.11	
099.0	025.0000	0098.3	038.8	331.2	007.7245	0119.4	059.4	50.35	
100.0	025.0000	0098.2	038.8	330.8	007.8074	0119.4	058.9	50.58	
101.0	024.5025	0098.2	038.6	330.2	007.9082	0119.4	058.5	50.79	
102.0	024.0100	0098.3	038.5	329.7	008.0547	0119.4	058.1	51.02	
103.0	023.5225	0098.3	038.3	329.1	008.2412	0119.4	057.7	51.26	
104.0	023.0400	0098.3	038.1	328.5	008.4276	0119.4	057.4	51.49	
105.0	022.5625	0098.1	037.9	327.9	008.6225	0119.5	057.1	51.70	

106.0	022.0900	0097.9	037.7	327.3	008.8379	0119.5	056.8	51.92
107.0	021.6225	0097.7	037.5	326.6	009.0593	0119.5	056.5	52.13
108.0	021.1600	0097.6	037.4	326.0	009.2817	0119.5	056.3	52.33
109.0	020.7025	0097.4	037.2	325.4	009.4960	0119.5	056.0	52.52
110.0	020.2500	0097.2	036.9	324.7	009.7233	0119.5	055.8	52.70
111.0	019.4922	0097.1	036.6	324.0	009.9883	0119.5	055.8	52.85
112.0	018.7489	0096.9	036.3	323.2	010.2600	0119.4	055.7	52.98
113.0	018.0200	0096.8	036.0	322.5	010.5318	0119.3	055.7	53.09
114.0	017.3056	0096.7	035.6	321.8	010.7997	0119.3	055.7	53.20
115.0	016.6056	0096.6	035.3	321.0	011.0574	0119.2	055.7	53.29
116.0	015.9201	0096.5	034.9	320.3	011.3363	0119.3	055.8	53.37
117.0	015.2490	0096.3	034.6	319.6	011.6289	0119.2	055.9	53.44
118.0	014.5924	0096.2	034.2	318.9	011.9295	0119.2	056.0	53.50
119.0	013.9502	0096.1	033.8	318.2	012.2302	0119.2	056.2	53.55
120.0	013.3225	0096.0	033.4	317.5	012.5296	0119.1	056.4	53.58
121.0	012.8881	0095.9	033.2	316.9	012.8134	0119.1	056.5	53.63
122.0	012.4609	0095.8	032.9	316.2	013.0966	0119.0	056.6	53.67
123.0	012.0409	0095.7	032.6	315.6	013.3784	0118.9	056.8	53.71
124.0	011.6281	0095.7	032.3	315.0	013.6581	0118.9	056.9	53.73
125.0	011.2225	0095.6	032.0	314.4	013.9177	0118.9	057.1	53.74
126.0	010.8241	0095.6	031.7	313.8	014.1799	0118.8	057.3	53.74
127.0	010.4329	0095.7	031.5	313.2	014.4499	0118.8	057.5	53.74
128.0	010.0489	0096.1	031.2	312.6	014.7155	0118.7	057.7	53.75
129.0	009.6721	0096.3	031.0	312.1	014.9789	0118.7	057.9	53.75
130.0	009.3025	0096.4	030.7	311.5	015.2387	0118.7	058.2	53.73
131.0	009.1204	0096.4	030.6	311.0	015.4944	0118.7	058.3	53.75
132.0	008.9401	0096.5	030.5	310.5	015.7488	0118.8	058.4	53.77
133.0	008.7616	0096.5	030.3	310.0	015.9965	0118.8	058.6	53.78
134.0	008.5849	0096.5	030.2	309.5	016.0465	0118.9	058.8	53.73
135.0	008.4100	0096.6	030.1	309.0	016.0957	0118.9	059.0	53.68
136.0	008.2369	0096.7	029.9	308.5	016.1442	0119.0	059.2	53.62
137.0	008.0656	0096.8	029.8	308.0	016.1919	0119.1	059.4	53.56
138.0	007.8961	0096.8	029.7	307.5	016.2386	0119.2	059.6	53.50
139.0	007.7284	0096.9	029.5	307.1	016.2845	0119.2	059.8	53.43
140.0	007.5625	0097.0	029.4	306.6	016.3293	0119.2	060.1	53.35
141.0	007.8961	0097.1	029.7	306.1	016.3844	0119.2	059.9	53.42
142.0	008.2369	0097.1	030.0	305.5	016.4403	0119.1	059.8	53.48
143.0	008.5849	0097.2	030.3	305.0	016.4972	0119.1	059.7	53.54
144.0	008.9401	0097.2	030.6	304.4	016.5549	0119.1	059.6	53.59
145.0	009.3025	0097.2	030.9	303.8	016.6134	0119.2	059.5	53.64
146.0	009.6721	0097.2	031.2	303.2	016.6729	0119.2	059.4	53.68
147.0	010.0489	0097.3	031.4	302.6	016.7331	0119.3	059.4	53.71
148.0	010.4329	0097.3	031.7	302.0	016.7941	0119.4	059.4	53.74
149.0	010.8241	0097.4	032.0	301.4	016.8559	0119.4	059.4	53.76
150.0	011.2225	0097.4	032.3	300.8	016.9179	0119.4	059.4	53.77
151.0	011.7306	0097.5	032.7	300.2	016.9840	0119.5	059.4	53.80
152.0	012.2500	0097.5	033.0	299.5	017.0000	0119.6	059.4	53.80
153.0	012.7806	0097.5	033.4	298.9	017.0000	0119.7	059.4	53.80
154.0	013.3225	0097.5	033.7	298.2	017.0000	0119.8	059.5	53.77
155.0	013.8756	0097.5	034.0	297.6	017.0000	0119.9	059.6	53.74
156.0	014.4400	0097.6	034.3	296.9	017.0000	0120.0	059.7	53.70
157.0	015.0156	0097.7	034.7	296.3	017.0000	0120.1	059.9	53.66
158.0	015.6025	0097.7	035.0	295.7	017.0000	0120.2	060.0	53.60
159.0	016.2006	0097.7	035.3	295.1	017.0000	0120.3	060.3	53.53
160.0	016.8100	0097.7	035.6	294.4	017.0000	0120.4	060.5	53.45
161.0	017.5561	0097.8	035.9	293.8	017.0000	0120.5	060.7	53.37
162.0	018.3184	0097.8	036.3	293.2	017.0000	0120.4	061.0	53.28
163.0	019.0969	0097.9	036.6	292.5	017.0000	0120.5	061.2	53.19
164.0	019.8916	0097.9	036.9	291.9	017.0000	0120.5	061.5	53.09
165.0	020.7025	0098.0	037.2	291.3	017.0000	0120.5	061.9	52.97

166.0	021.5296	0098.1	037.6	290.7	017.0000	0120.5	062.2	52.85
167.0	022.3729	0098.1	037.9	290.1	017.0000	0120.6	062.6	52.73
168.0	023.2324	0098.2	038.2	289.6	017.0000	0120.6	063.0	52.59
169.0	024.1081	0098.3	038.5	289.0	017.0000	0120.7	063.4	52.45
170.0	025.0000	0098.4	038.8	288.5	017.0000	0120.7	063.8	52.31
171.0	025.0000	0098.5	038.8	288.2	017.0000	0120.7	064.4	52.12
172.0	025.0000	0098.5	038.8	287.9	017.0000	0120.7	065.1	51.92
173.0	025.0000	0098.5	038.8	287.7	017.0000	0120.7	065.7	51.73
174.0	025.0000	0098.5	038.8	287.4	017.0000	0120.7	066.3	51.53
175.0	025.0000	0098.3	038.8	287.2	017.0000	0120.7	066.9	51.33
176.0	025.0000	0098.1	038.8	287.1	017.0000	0120.8	067.6	51.12
177.0	025.0000	0098.0	038.7	286.9	017.0000	0120.8	068.2	50.92
178.0	025.0000	0098.0	038.7	286.7	017.0000	0120.8	068.9	50.73
179.0	025.0000	0097.9	038.7	286.5	017.0000	0120.8	069.5	50.52
180.0	025.0000	0097.7	038.7	286.4	017.0000	0120.8	070.2	50.32
181.0	025.0000	0097.5	038.7	286.3	017.0000	0120.8	070.8	50.12
182.0	025.0000	0097.3	038.6	286.2	017.0000	0120.8	071.5	49.92
183.0	025.0000	0096.8	038.5	286.1	017.0000	0120.8	072.2	49.71
184.0	025.0000	0096.6	038.5	286.0	017.0000	0120.8	072.8	49.51
185.0	025.0000	0096.3	038.5	286.0	017.0000	0120.8	073.5	49.31
186.0	025.0000	0095.9	038.4	285.9	017.0000	0120.8	074.2	49.11
187.0	025.0000	0095.3	038.3	285.9	017.0000	0120.8	074.9	48.90
188.0	025.0000	0094.6	038.2	286.0	017.0000	0120.8	075.5	48.70
189.0	025.0000	0093.7	038.0	286.0	017.0000	0120.8	076.2	48.50
190.0	025.0000	0092.8	037.8	286.1	017.0000	0120.8	076.9	48.30

At no point on the WJGM Protected 60 dBu does WBHU deliver more than 54 dBu Interfering.