

07-14-2018

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WEQS

KQAL BLED20120720ADE

Channel = 207C3  
 Max ERP = 10 kW  
 RCAMSL = 469 m  
 N. Lat. 43 52 05.0  
 W. Lng. 90 37 23.0  
 Protected  
 60 dBu

Channel = 208C3  
 Max ERP = 2.5 kW  
 RCAMSL = 480 m  
 N. Lat. 44 04 26.0  
 W. Lng. 91 34 38.0  
 Interfering  
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
240.0	010.0000	0136.8	036.7	132.5	001.7757	0274.2	060.9	50.22	
241.0	010.0000	0136.0	036.6	132.2	001.7886	0275.1	060.3	50.50	
242.0	010.0000	0135.4	036.5	132.0	001.8008	0275.9	059.8	50.78	
243.0	010.0000	0135.6	036.5	131.8	001.8101	0276.5	059.2	51.05	
244.0	010.0000	0136.2	036.6	131.6	001.8177	0277.0	058.5	51.33	
245.0	010.0000	0138.1	036.8	131.6	001.8197	0277.1	057.9	51.60	
246.0	010.0000	0140.8	037.1	131.6	001.8175	0276.9	057.1	51.88	
247.0	010.0000	0143.6	037.5	131.7	001.8155	0276.8	056.4	52.16	
248.0	010.0000	0145.6	037.7	131.6	001.8185	0277.0	055.7	52.45	
249.0	010.0000	0146.4	037.8	131.4	001.8291	0277.7	055.1	52.75	
250.0	010.0000	0146.2	037.8	131.0	001.8456	0278.6	054.5	53.05	
251.0	009.6040	0145.1	037.3	130.3	001.8832	0279.8	054.2	53.31	
252.0	009.2160	0143.7	036.8	129.5	001.8914	0280.0	053.9	53.46	
253.0	008.8360	0142.8	036.4	128.7	001.8840	0279.4	053.6	53.54	
254.0	008.4640	0142.4	036.0	128.0	001.8770	0278.2	053.3	53.60	
255.0	008.1000	0142.2	035.6	127.2	001.8701	0276.8	053.0	53.65	
256.0	007.7264	0142.2	035.2	126.5	001.8631	0275.2	052.7	53.68	
257.0	007.3788	0142.6	034.9	125.8	001.8565	0273.7	052.5	53.72	
258.0	007.0392	0143.0	034.6	125.1	001.8497	0272.5	052.2	53.76	
259.0	006.7076	0143.2	034.2	124.3	001.8427	0271.5	052.0	53.79	
260.0	006.3840	0143.9	033.9	123.6	001.8361	0270.7	051.8	53.82	
261.0	006.1309	0144.3	033.6	122.9	001.8296	0270.0	051.6	53.87<-	
262.0	005.8676	0143.9	033.2	122.2	001.8223	0269.3	051.6	53.86	
263.0	005.6250	0142.0	032.7	121.3	001.8139	0268.6	051.6	53.79	
264.0	005.3729	0141.0	032.2	120.5	001.8062	0268.0	051.6	53.74	
265.0	005.1409	0141.9	031.9	119.8	001.7946	0267.5	051.5	53.75	
266.0	004.9140	0143.7	031.8	119.2	001.7737	0267.2	051.3	53.77	
267.0	004.6786	0147.1	031.8	118.7	001.7555	0267.1	051.0	53.84	
268.0	004.4622	0150.4	031.7	118.1	001.7369	0266.9	050.8	53.90	
269.0	004.2380	0153.2	031.6	117.5	001.7164	0266.9	050.6	53.92<--	
270.0	004.0322	0154.8	031.4	116.8	001.6938	0266.8	050.5	53.88	
271.0	003.9188	0156.0	031.3	116.2	001.6734	0266.7	050.3	53.90<-	
272.0	003.7946	0157.1	031.2	115.6	001.6525	0266.7	050.2	53.88	
273.0	003.6845	0158.2	031.1	115.0	001.6319	0266.5	050.1	53.87	
274.0	003.5760	0160.8	031.1	114.4	001.6132	0266.3	049.9	53.91<-	
275.0	003.4692	0163.0	031.1	113.8	001.5938	0266.0	049.7	53.91	
276.0	003.3524	0165.0	031.0	113.2	001.5736	0265.7	049.6	53.89	
277.0	003.2490	0165.6	030.8	112.6	001.5524	0265.4	049.6	53.82	
278.0	003.1472	0164.2	030.5	111.9	001.5297	0265.0	049.8	53.66	
279.0	003.0360	0162.9	030.1	111.2	001.5076	0264.6	050.1	53.48	
280.0	002.9376	0161.8	029.8	110.5	001.4866	0264.2	050.3	53.32	
281.0	003.0914	0159.9	030.0	110.0	001.4680	0263.7	050.0	53.36<-	
282.0	003.2490	0157.2	030.1	109.4	001.4333	0263.3	049.8	53.32	
283.0	003.4106	0154.5	030.2	108.8	001.3984	0262.8	049.7	53.26	
284.0	003.5760	0152.3	030.3	108.2	001.3637	0262.4	049.5	53.21	
285.0	003.7577	0150.5	030.5	107.6	001.3290	0262.0	049.3	53.17	
286.0	003.9313	0149.4	030.7	107.0	001.2940	0261.6	049.0	53.14	
287.0	004.1088	0148.4	030.9	106.4	001.2587	0261.2	048.8	53.10	
288.0	004.2902	0148.6	031.3	105.7	001.2228	0260.8	048.5	53.09	
289.0	004.4756	0150.0	031.7	105.0	001.1857	0260.6	048.0	53.13	
290.0	004.6649	0151.8	032.3	104.3	001.1472	0260.5	047.5	53.18<-	
291.0	004.7197	0154.1	032.6	103.6	001.1088	0260.6	047.2	53.15	
292.0	004.7610	0156.4	032.9	102.9	001.0702	0260.7	047.0	53.10	
293.0	004.8164	0159.1	033.3	102.1	001.0306	0261.2	046.7	53.07	

294.0	004.8581	0161.6	033.6		101.3	000.9911	0261.7	046.5	53.01
295.0	004.9140	0163.8	034.0		100.5	000.9517	0262.1	046.3	52.92
296.0	004.9562	0165.2	034.2		099.7	000.9168	0262.5	046.2	52.80
297.0	004.9985	0165.6	034.3		099.0	000.8887	0262.9	046.3	52.65
298.0	005.0552	0165.1	034.3		098.3	000.8621	0263.4	046.5	52.47
299.0	005.1122	0163.8	034.3		097.6	000.8375	0263.7	046.7	52.26
300.0	005.1552	0162.2	034.2		096.9	000.8147	0263.9	047.0	52.02
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090.0	000.5856	0249.7	025.3		294.3	004.8761	0162.4	055.9	51.96	
091.0	000.6163	0253.5	025.7		294.1	004.8633	0161.8	055.3	52.15	
092.0	000.6477	0257.2	026.2		293.8	004.8513	0161.2	054.7	52.34	
093.0	000.6799	0261.0	026.7		293.6	004.8396	0160.5	054.1	52.53	
094.0	000.7129	0262.6	027.1		293.2	004.8254	0159.6	053.6	52.66	
095.0	000.7467	0263.5	027.4		292.8	004.8075	0158.6	053.1	52.77	
096.0	000.7812	0264.0	027.7		292.4	004.7852	0157.5	052.7	52.86	
097.0	000.8165	0263.9	028.0		292.0	004.7613	0156.4	052.3	52.94	
098.0	000.8526	0263.5	028.2		291.5	004.7423	0155.4	051.9	53.01	
099.0	000.8895	0262.9	028.5		291.1	004.7226	0154.3	051.6	53.07	
100.0	000.9272	0262.3	028.7		290.6	004.6963	0153.1	051.2	53.12	
101.0	000.9759	0261.9	029.1		290.1	004.6688	0152.0	050.9	53.18	
102.0	001.0259	0261.2	029.4		289.5	004.5787	0150.9	050.5	53.19<--	
103.0	001.0772	0260.7	029.7		289.0	004.4758	0150.0	050.1	53.18	
104.0	001.1296	0260.6	030.0		288.4	004.3704	0149.1	049.8	53.17	
105.0	001.1834	0260.6	030.3		287.8	004.2623	0148.4	049.4	53.17	
106.0	001.2383	0261.0	030.7		287.2	004.1516	0148.3	049.0	53.19	
107.0	001.2946	0261.6	031.0		286.6	004.0381	0148.8	048.7	53.23	
108.0	001.3520	0262.2	031.4		285.9	003.9221	0149.4	048.3	53.27	
109.0	001.4108	0263.0	031.8		285.3	003.8035	0150.2	048.0	53.30	
110.0	001.4707	0263.8	032.1		284.6	003.6773	0151.3	047.7	53.34<--	
111.0	001.5023	0264.5	032.3		283.9	003.5524	0152.6	047.5	53.31	
112.0	001.5343	0265.1	032.5		283.1	003.4346	0154.1	047.4	53.29	
113.0	001.5666	0265.6	032.7		282.4	003.3175	0156.0	047.3	53.27	
114.0	001.5992	0266.1	032.9		281.7	003.2014	0158.0	047.3	53.24	
115.0	001.6322	0266.5	033.1		281.0	003.0866	0159.9	047.2	53.19	
116.0	001.6655	0266.7	033.3		280.2	002.9738	0161.4	047.2	53.11	
117.0	001.6991	0266.8	033.4		279.5	002.9860	0162.4	047.3	53.17	
118.0	001.7331	0266.9	033.6		278.8	003.0612	0163.1	047.3	53.30	
119.0	001.7674	0267.1	033.8		278.0	003.1433	0164.2	047.3	53.44	
120.0	001.8020	0267.6	033.9		277.3	003.2191	0165.3	047.4	53.58	
121.0	001.8114	0268.3	034.0		276.6	003.2903	0165.7	047.6	53.63<--	
122.0	001.8207	0269.1	034.1		275.9	003.3629	0164.8	047.8	53.61	
123.0	001.8301	0270.1	034.2		275.2	003.4429	0163.5	047.9	53.57	
124.0	001.8396	0271.1	034.3		274.5	003.5176	0162.0	048.2	53.51	
125.0	001.8490	0272.4	034.4		273.9	003.5909	0160.5	048.4	53.44	
126.0	001.8585	0274.1	034.6		273.2	003.6656	0158.6	048.6	53.36	
127.0	001.8680	0276.3	034.7		272.5	003.7421	0157.6	048.8	53.32	
128.0	001.8775	0278.3	034.9		271.8	003.8204	0156.8	049.0	53.28	
129.0	001.8870	0279.7	035.0		271.1	003.9011	0156.1	049.3	53.22	
130.0	001.8966	0280.0	035.1		270.6	003.9694	0155.4	049.6	53.13	
131.0	001.8473	0278.7	034.8		270.2	004.0056	0155.1	050.2	52.92	
132.0	001.7986	0275.7	034.4		270.0	004.0309	0154.8	050.9	52.67	
133.0	001.7506	0272.6	034.0		269.8	004.0675	0154.6	051.6	52.42	

134.0	001.7032	0269.7	033.6		269.7	004.1018	0154.4	052.3	52.19
135.0	001.6565	0265.6	033.2		269.6	004.1190	0154.3	053.0	51.91
136.0	001.6104	0258.5	032.5		269.7	004.1024	0154.4	053.9	51.57
137.0	001.5650	0250.3	031.8		269.8	004.0685	0154.6	054.8	51.20
138.0	001.5202	0243.8	031.2		269.9	004.0479	0154.7	055.6	50.87
139.0	001.4761	0240.5	030.7		269.9	004.0556	0154.7	056.3	50.62
140.0	001.4326	0241.6	030.6		269.7	004.1019	0154.4	056.8	50.46
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