

08-20-2013

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WYVL

WMCE-FM BLED20040506AAK

Channel = 203A
 Max ERP = 2.5 kw
 RCAMSL = 615 M
 N. Lat. 41 54 06.0
 W. Lng. 79 15 44.0
 Protected
 60 dBu

Channel = 203A
 Max ERP = 0.75 kw
 RCAMSL = 507 M
 N. Lat. 42 05 25.0
 W. Lng. 79 56 37.0
 Interfering
 40 dBu

Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
220.0	000.1087	0152.6	012.9	122.6	000.7500	0084.4	057.1	38.75	
221.0	000.1075	0161.7	013.3	122.9	000.7500	0084.7	056.8	38.87	
222.0	000.1064	0169.3	013.6	123.2	000.7500	0085.0	056.6	38.99	
223.0	000.1052	0174.7	013.8	123.3	000.7500	0085.2	056.3	39.10	
224.0	000.1040	0178.1	013.9	123.4	000.7500	0085.3	056.1	39.20	
225.0	000.1029	0180.2	013.9	123.4	000.7500	0085.3	055.8	39.28	
226.0	000.1018	0181.3	013.9	123.3	000.7500	0085.2	055.6	39.36	
227.0	000.1006	0181.2	013.9	123.2	000.7500	0085.1	055.3	39.44	
228.0	000.0995	0180.1	013.8	123.1	000.7500	0084.9	055.1	39.50	
229.0	000.0984	0179.6	013.8	123.0	000.7500	0084.8	054.9	39.57	
230.0	000.0973	0181.7	013.8	122.9	000.7500	0084.8	054.7	39.65	
231.0	000.0962	0184.3	013.9	122.9	000.7500	0084.7	054.4	39.74	
232.0	000.0951	0185.5	013.9	122.8	000.7500	0084.6	054.2	39.81	
233.0	000.0940	0184.2	013.8	122.6	000.7500	0084.5	054.0	39.87	
234.0	000.0929	0181.0	013.6	122.4	000.7500	0084.2	053.8	39.92	
235.0	000.0918	0176.0	013.4	122.1	000.7500	0083.9	053.7	39.94	
236.0	000.0907	0169.6	013.1	121.7	000.7500	0083.6	053.6	39.95<--	
237.0	000.0896	0162.6	012.8	121.3	000.7500	0083.2	053.5	39.94	
238.0	000.0886	0155.9	012.5	120.9	000.7500	0082.7	053.5	39.92	
239.0	000.0875	0149.3	012.1	120.5	000.7500	0082.2	053.4	39.89	
240.0	000.0865	0142.9	011.8	120.1	000.7500	0081.5	053.4	39.85	
241.0	000.0865	0137.3	011.6	119.7	000.7500	0080.8	053.3	39.81	
242.0	000.0865	0133.9	011.4	119.5	000.7500	0080.4	053.2	39.80	
243.0	000.0865	0132.4	011.4	119.3	000.7500	0080.0	053.1	39.82	
244.0	000.0865	0132.5	011.4	119.2	000.7500	0079.8	052.9	39.86	
245.0	000.0865	0133.4	011.4	119.1	000.7500	0079.6	052.7	39.91	
246.0	000.0865	0134.0	011.4	119.0	000.7500	0079.3	052.6	39.95	
247.0	000.0865	0132.4	011.4	118.8	000.7500	0078.9	052.5	39.96<--	
248.0	000.0865	0129.1	011.2	118.5	000.7500	0078.3	052.4	39.93	
249.0	000.0865	0126.0	011.1	118.3	000.7500	0077.7	052.3	39.90	
250.0	000.0865	0123.6	011.0	118.1	000.7500	0077.1	052.2	39.87	
251.0	000.0857	0122.5	010.9	117.9	000.7500	0076.6	052.1	39.87	
252.0	000.0850	0121.2	010.9	117.7	000.7500	0076.1	052.1	39.85	
253.0	000.0843	0119.7	010.8	117.5	000.7500	0075.6	052.0	39.83	
254.0	000.0836	0117.9	010.7	117.2	000.7500	0075.0	051.9	39.81	
255.0	000.0828	0116.1	010.6	117.0	000.7500	0074.5	051.9	39.78	
256.0	000.0821	0115.2	010.5	116.8	000.7500	0074.1	051.8	39.77	
257.0	000.0814	0115.0	010.5	116.6	000.7500	0073.7	051.7	39.76	
258.0	000.0807	0115.6	010.5	116.5	000.7500	0073.4	051.6	39.77	
259.0	000.0800	0118.2	010.6	116.4	000.7500	0073.2	051.4	39.82	
260.0	000.0793	0122.4	010.7	116.3	000.7500	0073.0	051.2	39.88	
261.0	000.0793	0126.2	010.9	116.3	000.7500	0072.9	050.9	39.95	
262.0	000.0793	0127.7	010.9	116.1	000.7500	0072.6	050.8	39.98<--	
263.0	000.0793	0124.5	010.8	115.9	000.7500	0072.1	050.8	39.93	
264.0	000.0793	0121.0	010.7	115.6	000.7500	0071.6	050.8	39.88	
265.0	000.0793	0117.7	010.5	115.3	000.7500	0071.1	050.8	39.83	
266.0	000.0793	0116.3	010.5	115.1	000.7500	0070.8	050.8	39.81	
267.0	000.0793	0114.8	010.4	114.9	000.7500	0070.4	050.7	39.79	
268.0	000.0793	0113.0	010.3	114.7	000.7500	0070.1	050.7	39.76	
269.0	000.0793	0111.0	010.2	114.5	000.7500	0069.7	050.7	39.73	
270.0	000.0793	0110.3	010.2	114.3	000.7500	0069.4	050.7	39.72	
271.0	000.0815	0110.1	010.3	114.1	000.7500	0069.2	050.5	39.74	
272.0	000.0838	0109.9	010.3	113.9	000.7500	0068.9	050.4	39.75	
273.0	000.0860	0109.8	010.4	113.8	000.7500	0068.7	050.3	39.77	
274.0	000.0884	0110.7	010.5	113.6	000.7500	0068.4	050.1	39.80	
275.0	000.0907	0111.2	010.6	113.5	000.7500	0068.2	050.0	39.83	
276.0	000.0931	0112.4	010.7	113.3	000.7500	0068.0	049.8	39.86	
277.0	000.0955	0112.4	010.8	113.1	000.7500	0067.7	049.7	39.88<--	

278.0	000.0979	0111.1	010.8	112.9	000.7500	0067.4	049.6	39.86
279.0	000.1004	0110.0	010.8	112.7	000.7500	0067.1	049.6	39.85
280.0	000.1029	0107.9	010.8	112.5	000.7500	0066.7	049.5	39.83
281.0	000.1059	0105.4	010.7	112.3	000.7500	0066.4	049.5	39.79
282.0	000.1089	0103.6	010.7	112.0	000.7500	0066.0	049.5	39.76
283.0	000.1120	0101.4	010.7	111.8	000.7500	0065.7	049.5	39.72
284.0	000.1151	0101.0	010.7	111.6	000.7500	0065.3	049.5	39.71
285.0	000.1183	0100.6	010.8	111.4	000.7500	0064.9	049.4	39.70
286.0	000.1215	0099.3	010.8	111.2	000.7500	0064.5	049.4	39.67
287.0	000.1248	0096.8	010.7	111.0	000.7500	0064.1	049.4	39.61
288.0	000.1281	0092.7	010.6	110.7	000.7500	0063.6	049.5	39.52
289.0	000.1314	0088.8	010.4	110.5	000.7500	0063.2	049.7	39.43
290.0	000.1348	0085.3	010.3	110.3	000.7500	0062.7	049.8	39.35
291.0	000.1418	0082.8	010.3	110.1	000.7500	0062.3	049.8	39.30
292.0	000.1490	0082.3	010.4	109.9	000.7500	0061.9	049.7	39.29
293.0	000.1564	0083.7	010.6	109.7	000.7500	0061.6	049.5	39.31
294.0	000.1639	0085.5	010.8	109.4	000.7500	0061.1	049.3	39.34
295.0	000.1717	0086.1	010.9	109.2	000.7500	0060.7	049.2	39.34
296.0	000.1796	0085.5	011.0	109.0	000.7500	0060.3	049.1	39.32
297.0	000.1877	0084.9	011.1	108.7	000.7500	0059.9	049.1	39.30
298.0	000.1960	0085.4	011.3	108.5	000.7500	0059.5	048.9	39.28
299.0	000.2044	0087.5	011.5	108.2	000.7500	0058.9	048.7	39.29
300.0	000.2130	0089.3	011.7	107.9	000.7500	0058.4	048.6	39.29
301.0	000.2242	0090.3	011.9	107.6	000.7500	0057.9	048.4	39.27
302.0	000.2357	0090.6	012.1	107.4	000.7500	0057.3	048.3	39.25
303.0	000.2474	0090.9	012.3	107.1	000.7500	0056.8	048.2	39.21
304.0	000.2594	0092.0	012.5	106.7	000.7500	0056.1	048.1	39.17
305.0	000.2717	0094.0	012.7	106.4	000.7500	0055.2	047.9	39.13
306.0	000.2843	0096.9	013.1	106.0	000.7500	0054.3	047.6	39.08
307.0	000.2972	0100.4	013.4	105.6	000.7500	0053.2	047.3	39.03
308.0	000.3104	0104.0	013.8	105.1	000.7500	0052.1	047.1	38.96
309.0	000.3238	0107.5	014.2	104.7	000.7500	0051.0	046.8	38.89
310.0	000.3375	0110.6	014.6	104.2	000.7500	0049.9	046.6	38.81
311.0	000.3552	0113.3	015.0	103.7	000.7500	0048.9	046.3	38.74
312.0	000.3732	0116.0	015.4	103.2	000.7500	0048.0	046.1	38.66
313.0	000.3917	0119.0	015.8	102.6	000.7500	0047.1	045.9	38.59
314.0	000.4107	0122.4	016.3	102.0	000.7500	0046.2	045.6	38.54
315.0	000.4301	0124.8	016.7	101.5	000.7500	0045.5	045.4	38.48
316.0	000.4500	0126.0	017.0	100.9	000.7500	0045.0	045.4	38.42
317.0	000.4703	0126.0	017.2	100.5	000.7500	0044.6	045.4	38.37
318.0	000.4910	0126.8	017.4	100.0	000.7500	0044.4	045.3	38.33
319.0	000.5122	0128.4	017.8	099.4	000.7500	0044.3	045.3	38.33
320.0	000.5339	0130.3	018.1	098.8	000.7500	0044.5	045.2	38.40
321.0	000.5618	0131.4	018.4	098.3	000.7500	0045.1	045.2	38.49
322.0	000.5905	0131.3	018.7	097.8	000.7500	0045.8	045.2	38.59
323.0	000.6199	0130.3	018.8	097.3	000.7500	0046.5	045.3	38.67
324.0	000.6500	0128.6	018.9	096.9	000.7500	0047.3	045.5	38.74
325.0	000.6808	0126.8	019.0	096.6	000.7500	0048.0	045.7	38.79
326.0	000.7124	0125.4	019.1	096.2	000.7500	0048.9	045.9	38.87
327.0	000.7446	0124.7	019.3	095.8	000.7500	0049.7	046.0	38.95
328.0	000.7776	0124.4	019.5	095.3	000.7500	0050.5	046.1	39.02
329.0	000.8112	0124.1	019.7	094.9	000.7500	0051.3	046.3	39.08
330.0	000.8456	0124.2	019.9	094.4	000.7500	0052.1	046.5	39.15
331.0	000.8900	0124.4	020.2	093.9	000.7500	0053.0	046.6	39.22
332.0	000.9355	0125.0	020.4	093.4	000.7500	0053.9	046.7	39.30
333.0	000.9821	0125.4	020.7	092.8	000.7500	0055.0	046.9	39.40
334.0	001.0299	0125.5	021.0	092.4	000.7500	0056.3	047.1	39.49
335.0	001.0788	0125.2	021.2	091.9	000.7500	0057.4	047.3	39.56
336.0	001.1288	0124.7	021.4	091.5	000.7500	0058.5	047.6	39.61
337.0	001.1799	0124.5	021.6	091.1	000.7500	0059.6	047.8	39.65
338.0	001.2322	0125.3	021.9	090.6	000.7500	0060.9	048.1	39.72
339.0	001.2857	0127.3	022.2	090.0	000.7500	0062.5	048.3	39.81
340.0	001.3402	0129.7	022.6	089.4	000.7500	0064.1	048.5	39.90
341.0	001.4072	0131.6	023.0	088.8	000.7500	0065.2	048.7	39.93<--
342.0	001.4759	0132.7	023.4	088.3	000.7500	0066.0	049.0	39.92
343.0	001.5461	0133.1	023.6	087.9	000.7500	0066.7	049.3	39.89
344.0	001.6180	0133.6	023.9	087.4	000.7500	0067.4	049.7	39.85
345.0	001.6916	0134.1	024.2	087.0	000.7500	0068.1	050.0	39.80
346.0	001.7667	0133.8	024.4	086.7	000.7500	0068.7	050.4	39.73
347.0	001.8436	0133.0	024.6	086.4	000.7500	0069.1	050.8	39.65
348.0	001.9220	0131.9	024.7	086.2	000.7500	0069.5	051.2	39.55
349.0	002.0021	0130.5	024.8	086.0	000.7500	0069.8	051.6	39.44
350.0	002.0838	0128.7	024.9	085.8	000.7500	0070.0	052.0	39.32
351.0	002.1237	0127.1	024.9	085.8	000.7500	0070.0	052.4	39.17
352.0	002.1640	0125.6	024.9	085.8	000.7500	0070.0	052.9	39.03

353.0	002.2047	0124.6	024.9		085.7	000.7500	0070.1	053.3	38.89
354.0	002.2457	0123.2	024.9		085.7	000.7500	0070.1	053.7	38.74
355.0	002.2872	0121.8	024.9		085.7	000.7500	0070.1	054.2	38.59
356.0	002.3290	0121.1	024.9		085.7	000.7500	0070.1	054.6	38.45
357.0	002.3712	0121.5	025.1		085.5	000.7500	0070.2	055.0	38.31
358.0	002.4137	0122.3	025.2		085.4	000.7500	0070.3	055.5	38.17
359.0	002.4567	0122.9	025.4		085.2	000.7500	0070.3	055.9	38.02
000.0	002.5000	0123.5	025.5		085.1	000.7500	0070.3	056.4	37.88
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