

**- C GUIMARAES, - Brazil -- 760 kHz**

**Nighttime**

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 5.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 99775  
Application ID: 306652  
CDBS Antenna System ID: 56096

2 Towers  
0 Augmentations

Theoretical pattern RMS: 657.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	958.85	1007.21	
5	920.50	966.96	
10	877.65	921.99	
15	830.43	872.43	
20	779.04	818.50	
25	723.75	760.48	
30	664.89	698.73	
35	602.89	633.70	
40	538.24	565.90	
45	471.50	495.92	
50	403.26	424.41	
55	334.19	352.08	
60	264.95	279.69	
65	196.24	208.07	
70	128.73	138.23	
75	63.11	72.30	
80	0.00	28.92	
85	60.01	69.33	
90	116.38	125.57	
95	168.63	179.41	
100	216.34	228.99	
105	259.16	273.65	
110	296.78	312.96	
115	328.98	346.63	
120	355.55	374.44	
125	376.35	396.22	
130	391.28	411.86	
135	400.26	421.27	
140	403.26	424.41	
145	400.26	421.27	
150	391.28	411.86	
155	376.35	396.22	
160	355.55	374.44	
165	328.98	346.63	
170	296.78	312.96	
175	259.16	273.65	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	216.34	228.99	
185	168.63	179.41	
190	116.38	125.57	
195	60.01	69.33	
200	0.00	28.92	
205	63.11	72.30	
210	128.73	138.23	
215	196.24	208.07	
220	264.95	279.69	
225	334.19	352.08	
230	403.26	424.41	
235	471.50	495.92	
240	538.24	565.90	
245	602.89	633.70	
250	664.89	698.73	
255	723.75	760.48	
260	779.04	818.50	
265	830.43	872.43	
270	877.65	921.99	
275	920.50	966.96	
280	958.85	1007.21	
285	992.63	1042.66	
290	1021.80	1073.28	
295	1046.38	1099.08	
300	1066.40	1120.09	
305	1081.90	1136.36	
310	1092.93	1147.94	
315	1099.53	1154.87	
320	1101.73	1157.18	
325	1099.53	1154.87	
330	1092.93	1147.94	
335	1081.90	1136.36	
340	1066.40	1120.09	
345	1046.38	1099.08	
350	1021.80	1073.28	
355	992.63	1042.66	

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

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Prepared by Audio Division, Media Bureau  
Federal Communications Commission