

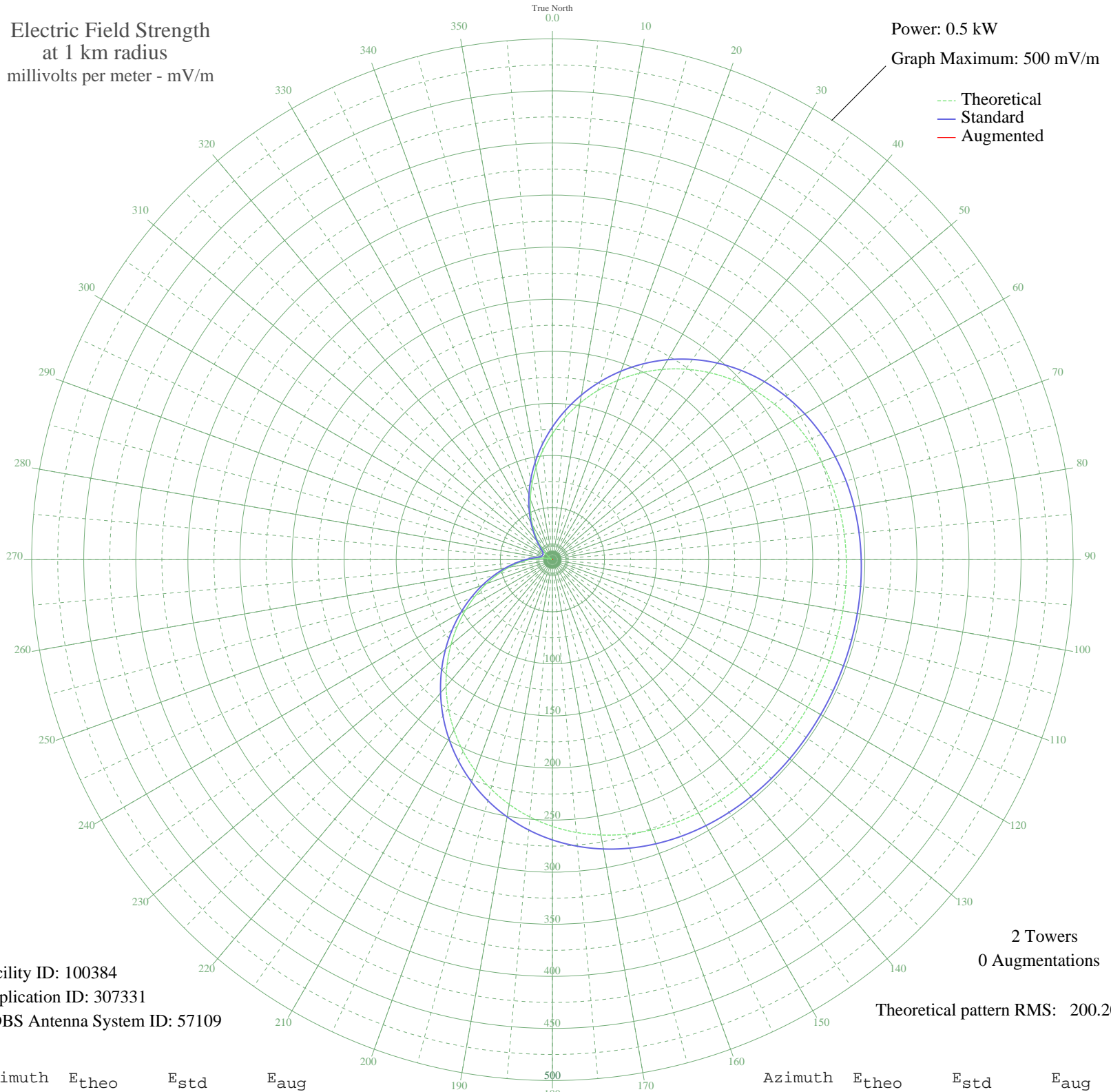
**- JOAO PESSOA, - Brazil -- 920 kHz**

**Nighttime**

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 100384  
Application ID: 307331  
CDBS Antenna System ID: 57109

2 Towers  
0 Augmentations

Theoretical pattern RMS: 200.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	120.88	127.35	
5	136.71	143.93	
10	152.52	160.49	
15	168.07	176.78	
20	183.11	192.55	
25	197.44	207.57	
30	210.86	221.65	
35	223.23	234.62	
40	234.41	246.35	
45	244.33	256.76	
50	252.94	265.80	
55	260.26	273.48	
60	266.33	279.84	
65	271.21	284.97	
70	275.02	288.97	
75	277.89	291.97	
80	279.95	294.13	
85	281.35	295.60	
90	282.23	296.53	
95	282.74	297.06	
100	282.99	297.33	
105	283.10	297.44	
110	283.12	297.46	
115	283.13	297.47	
120	283.13	297.47	
125	283.11	297.45	
130	283.05	297.39	
135	282.87	297.20	
140	282.47	296.78	
145	281.75	296.03	
150	280.58	294.79	
155	278.80	292.93	
160	276.27	290.28	
165	272.86	286.69	
170	268.42	282.03	
175	262.84	276.18	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	256.03	269.03	
185	247.93	260.54	
190	238.53	250.68	
195	227.85	239.47	
200	215.94	226.98	
205	202.93	213.33	
210	188.94	198.66	
215	174.16	183.16	
220	158.79	167.06	
225	143.06	150.57	
230	127.20	133.97	
235	111.46	117.50	
240	96.07	101.42	
245	81.27	85.97	
250	67.25	71.39	
255	54.21	57.88	
260	42.31	45.65	
265	31.69	34.90	
270	22.48	25.84	
275	14.76	18.72	
280	8.61	13.86	
285	4.09	11.34	
290	1.22	10.58	
295	0.03	10.50	
300	0.54	10.52	
305	2.74	10.89	
310	6.60	12.58	
315	12.11	16.49	
320	19.21	22.74	
325	27.84	31.06	
330	37.90	41.16	
335	49.30	52.82	
340	61.91	65.84	
345	75.55	80.02	
350	90.07	95.15	
355	105.25	111.01	