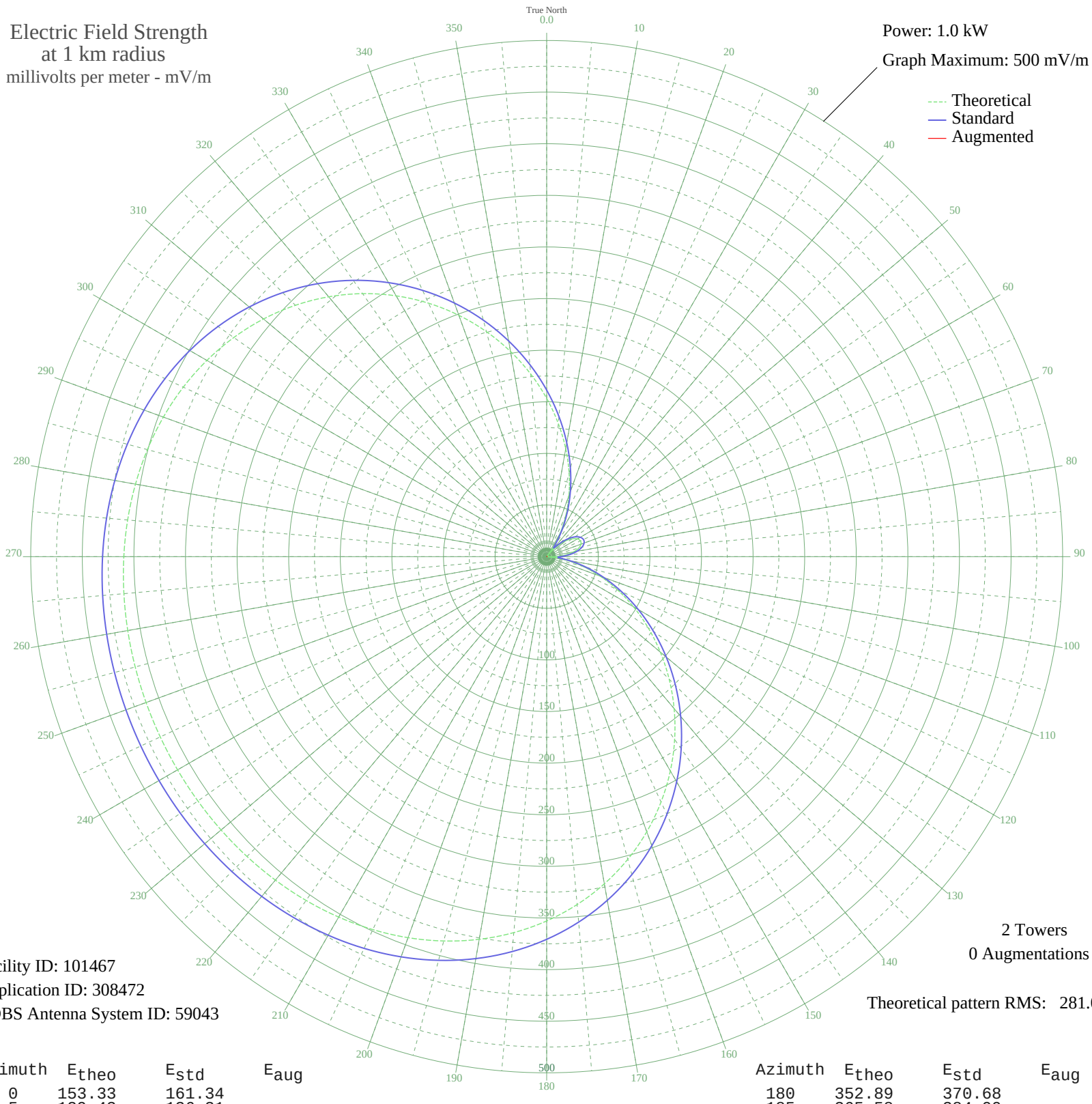
ZYK768 PAULINIA, - Brazil -- 1090 kHz

Daytime

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



Power: 1.0 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 101467
Application ID: 308472
CDBS Antenna System ID: 59043

Theoretical pattern RMS: 281.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	153.33	161.34	
5	129.43	136.31	
10	106.20	112.00	
15	83.97	88.79	
20	63.02	67.00	
25	43.63	47.00	
30	26.00	29.25	
35	10.33	15.10	
40	3.23	11.03	
45	14.56	18.54	
50	23.56	26.88	
55	30.18	33.39	
60	34.37	37.59	
65	36.10	39.33	
70	35.36	38.58	
75	32.15	35.35	
80	26.50	29.74	
85	18.44	22.03	
90	8.03	13.47	
95	4.65	11.58	
100	19.49	23.00	
105	36.35	39.59	
110	55.07	58.77	
115	75.42	79.89	
120	97.17	102.57	
125	120.04	126.48	
130	143.71	151.26	
135	167.86	176.56	
140	192.13	202.01	
145	216.18	227.23	
150	239.65	251.85	
155	262.22	275.53	
160	283.60	297.96	
165	303.53	318.88	
170	321.81	338.06	
175	338.29	355.36	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	352.89	370.68	
185	365.58	384.00	
190	376.39	395.35	
195	385.41	404.82	
200	392.77	412.54	
205	398.61	418.67	
210	403.13	423.42	
215	406.53	426.99	
220	409.00	429.58	
225	410.73	431.39	
230	411.89	432.61	
235	412.61	433.37	
240	413.02	433.79	
245	413.17	433.96	
250	413.11	433.89	
255	412.81	433.57	
260	412.22	432.96	
265	411.25	431.94	
270	409.77	430.39	
275	407.62	428.13	
280	404.62	424.98	
285	400.57	420.73	
290	395.27	415.17	
295	388.55	408.11	
300	380.21	399.36	
305	370.13	388.78	
310	358.19	376.25	
315	344.36	361.73	
320	328.62	345.21	
325	311.05	326.77	
330	291.76	306.52	
335	270.93	284.67	
340	248.80	261.45	
345	225.65	237.17	
350	201.79	212.14	
355	177.57	186.75	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission