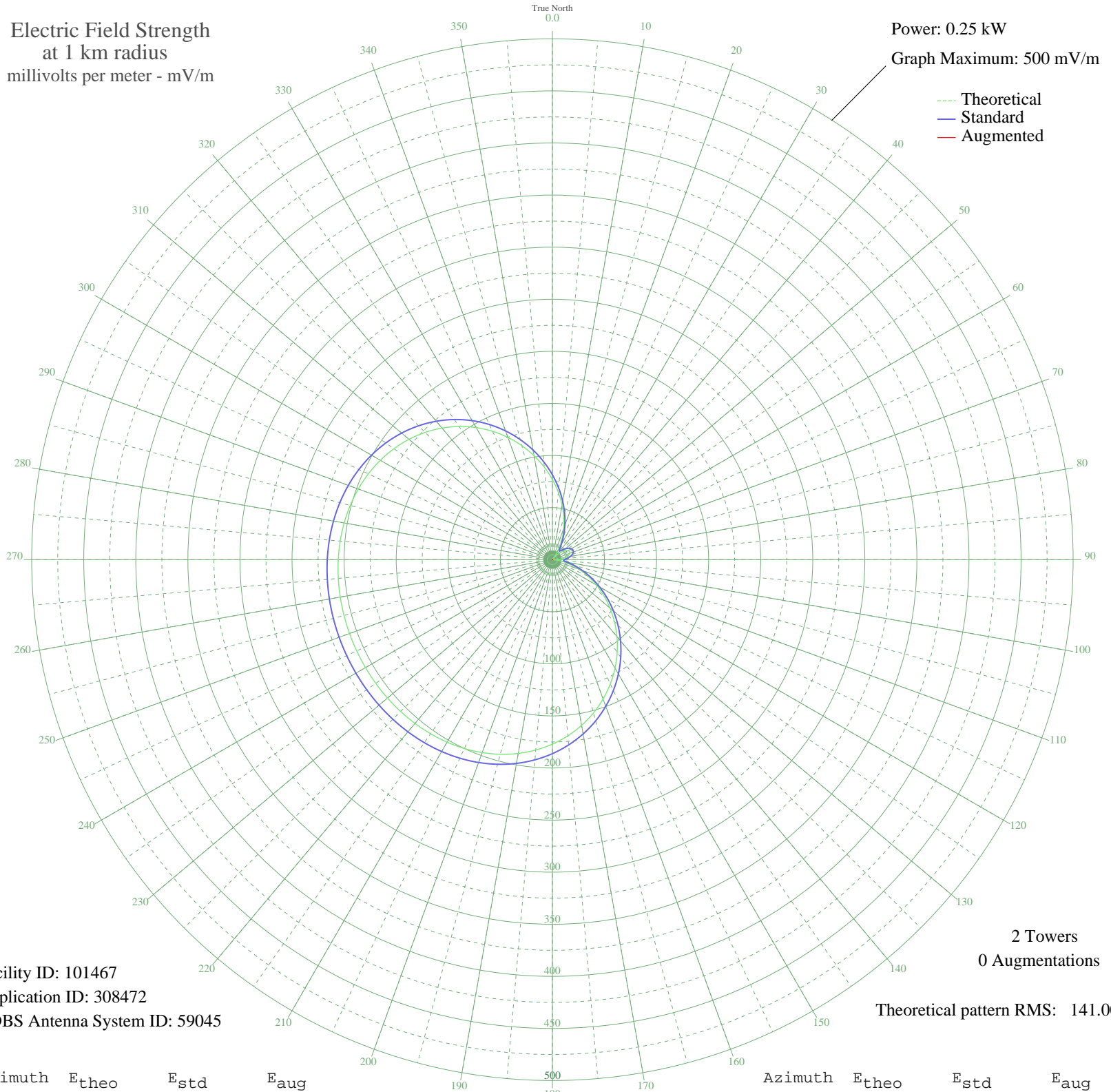


ZYK768 PAULINIA, - Brazil -- 1090 kHz

Nighttime

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

Power: 0.25 kW
Graph Maximum: 500 mV/m



--- Theoretical
— Standard
— Augmented

2 Towers
0 Augmentations

Theoretical pattern RMS: 141.00

Facility ID: 101467
Application ID: 308472
CDBS Antenna System ID: 59045

Azimuth	E _{theo}	E _{std}	E _{aug}
0	76.94	81.47	
5	64.94	69.00	
10	53.29	56.93	
15	42.13	45.47	
20	31.62	34.83	
25	21.89	25.27	
30	13.05	17.26	
35	5.18	11.83	
40	1.62	10.64	
45	7.30	13.00	
50	11.82	16.26	
55	15.14	19.06	
60	17.25	20.93	
65	18.11	21.73	
70	17.74	21.38	
75	16.13	19.93	
80	13.30	17.47	
85	9.25	14.31	
90	4.03	11.32	
95	2.33	10.78	
100	9.78	14.69	
105	18.24	21.84	
110	27.63	30.85	
115	37.84	41.10	
120	48.76	52.26	
125	60.23	64.11	
130	72.11	76.44	
135	84.23	89.06	
140	96.41	101.77	
145	108.47	114.38	
150	120.25	126.70	
155	131.58	138.55	
160	142.30	149.79	
165	152.30	160.26	
170	161.48	169.87	
175	169.75	178.54	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	177.07	186.22	
185	183.44	192.90	
190	188.87	198.59	
195	193.39	203.33	
200	197.08	207.20	
205	200.01	210.28	
210	202.28	212.66	
215	203.99	214.45	
220	205.23	215.75	
225	206.10	216.65	
230	206.68	217.26	
235	207.04	217.65	
240	207.24	217.86	
245	207.32	217.94	
250	207.29	217.91	
255	207.14	217.75	
260	206.84	217.44	
265	206.36	216.93	
270	205.61	216.15	
275	204.54	215.02	
280	203.03	213.44	
285	201.00	211.31	
290	198.34	208.52	
295	194.96	204.98	
300	190.78	200.60	
305	185.72	195.29	
310	179.73	189.01	
315	172.79	181.74	
320	164.90	173.46	
325	156.08	164.22	
330	146.40	154.07	
335	135.95	143.13	
340	124.84	131.50	
345	113.23	119.35	
350	101.26	106.84	
355	89.10	94.14	