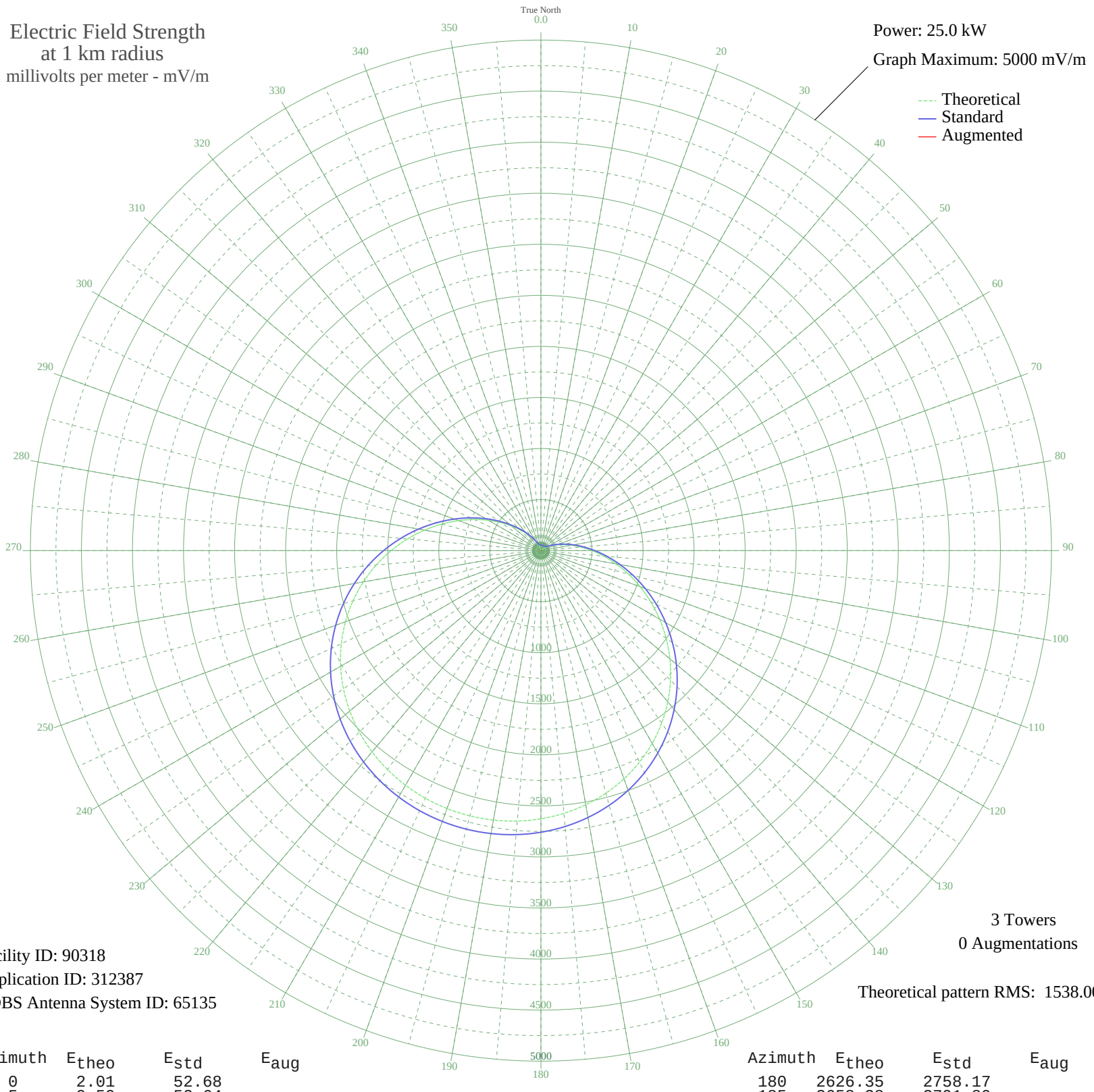
ZYK707 SAO ROQUE, - Brazil -- 1480 kHz

Daytime

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



Power: 25.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 90318
Application ID: 312387
CDBS Antenna System ID: 65135

Theoretical pattern RMS: 1538.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	2.01	52.68	
5	0.50	52.64	
10	0.06	52.64	
15	0.00	52.64	
20	0.00	52.64	
25	0.10	52.64	
30	0.69	52.64	
35	2.52	52.71	
40	6.65	53.10	
45	14.41	54.77	
50	27.35	59.96	
55	47.12	72.24	
60	75.45	95.12	
65	114.00	130.76	
70	164.23	180.30	
75	227.36	244.46	
80	304.20	323.72	
85	395.09	418.18	
90	499.86	527.49	
95	617.75	650.77	
100	747.46	786.60	
105	887.17	933.02	
110	1034.64	1087.65	
115	1187.30	1247.77	
120	1342.38	1410.48	
125	1497.08	1572.82	
130	1648.70	1731.93	
135	1794.71	1885.18	
140	1932.95	2030.28	
145	2061.61	2165.33	
150	2179.31	2288.88	
155	2285.09	2399.93	
160	2378.41	2497.89	
165	2459.05	2582.54	
170	2527.07	2653.94	
175	2582.71	2712.36	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	2626.35	2758.17	
185	2658.38	2791.80	
190	2679.15	2813.60	
195	2688.93	2823.87	
200	2687.84	2822.73	
205	2675.88	2810.17	
210	2652.89	2786.03	
215	2618.57	2750.00	
220	2572.56	2701.70	
225	2514.46	2640.71	
230	2443.94	2566.67	
235	2360.76	2479.36	
240	2264.92	2378.75	
245	2156.69	2265.14	
250	2036.71	2139.20	
255	1906.02	2002.01	
260	1766.07	1855.12	
265	1618.74	1700.50	
270	1466.31	1540.52	
275	1311.30	1377.87	
280	1156.48	1215.44	
285	1004.65	1056.19	
290	858.53	902.99	
295	720.65	758.51	
300	593.18	625.06	
305	477.82	504.47	
310	375.79	398.08	
315	287.71	306.65	
320	213.66	230.43	
325	153.19	169.24	
330	105.40	122.55	
335	69.02	89.57	
340	42.54	69.03	
345	24.27	58.48	
350	12.50	54.25	
355	5.58	52.97	

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.

28 Sep 2008

Prepared by Audio Division, Media Bureau
Federal Communications Commission