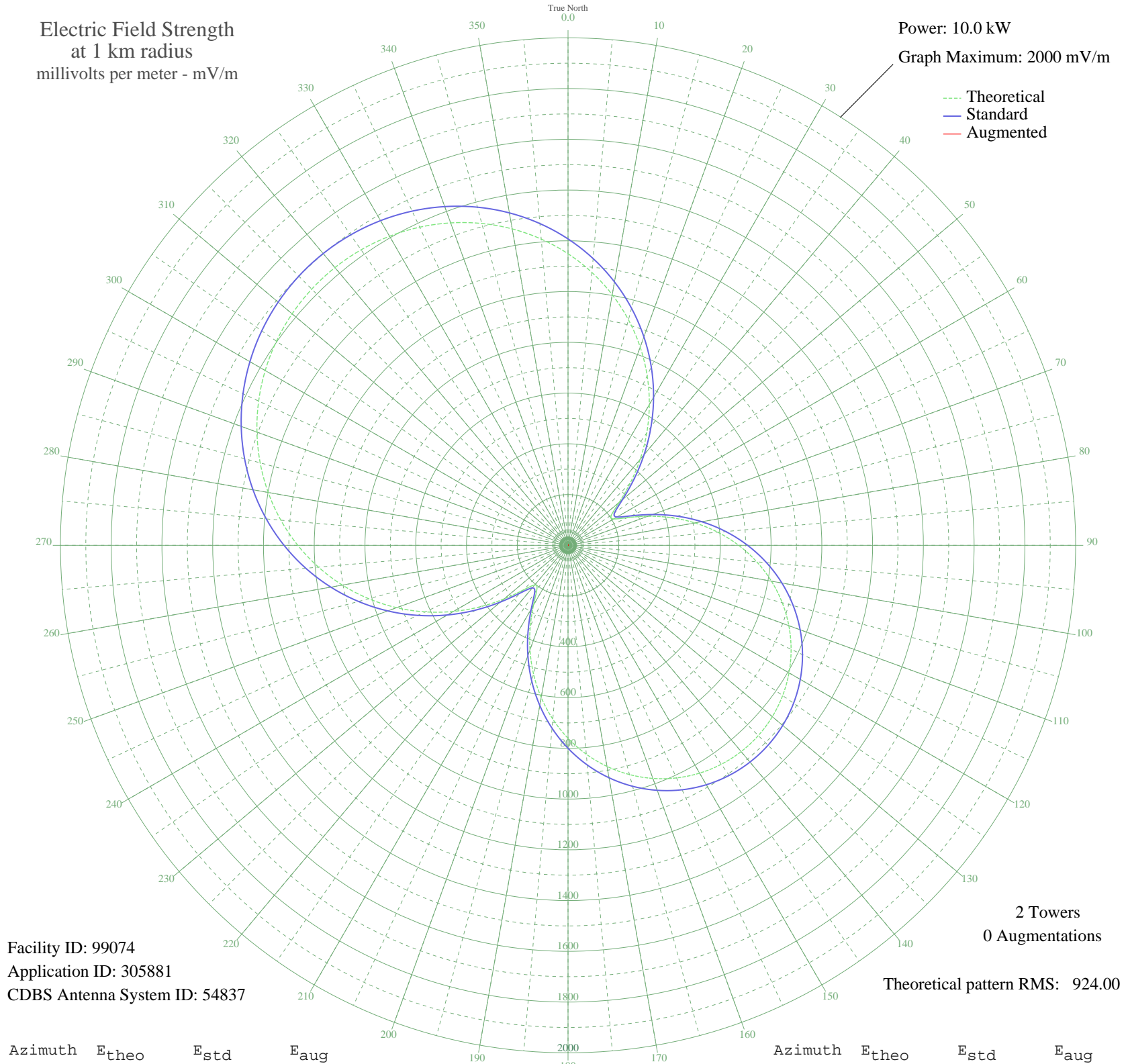


# ZYK761 SANTA ISABEL, - Brazil -- 560 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 99074  
Application ID: 305881  
CDBS Antenna System ID: 54837

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 924.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1149.14	1207.47	
5	1079.53	1134.44	
10	1002.99	1054.14	
15	920.03	967.13	
20	831.34	874.12	
25	737.78	776.04	
30	640.49	674.09	
35	541.02	569.94	
40	441.69	466.06	
45	346.40	366.63	
50	263.10	280.08	
55	208.90	224.14	
60	207.67	222.88	
65	258.12	274.92	
70	334.93	354.68	
75	420.77	444.21	
80	507.83	535.21	
85	592.38	623.71	
90	672.35	707.48	
95	746.46	785.13	
100	813.80	855.73	
105	873.76	918.60	
110	925.87	973.26	
115	969.83	1019.36	
120	1005.38	1056.66	
125	1032.38	1084.98	
130	1050.73	1104.22	
135	1060.35	1114.32	
140	1061.23	1115.24	
145	1053.35	1106.98	
150	1036.75	1089.56	
155	1011.47	1063.04	
160	977.61	1027.53	
165	935.33	983.17	
170	884.82	930.20	
175	826.40	868.94	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	760.49	799.84	
185	687.68	723.53	
190	608.79	640.89	
195	525.02	553.20	
200	438.24	462.46	
205	351.72	372.17	
210	272.12	289.42	
215	214.38	229.77	
220	203.84	218.94	
225	249.16	265.65	
230	328.41	347.90	
235	422.13	445.63	
240	521.05	549.04	
245	620.71	653.37	
250	718.58	755.91	
255	812.98	854.88	
260	902.73	948.99	
265	986.89	1037.26	
270	1064.76	1118.95	
275	1135.79	1193.47	
280	1199.58	1260.40	
285	1255.83	1319.43	
290	1304.34	1370.34	
295	1344.99	1413.00	
300	1377.71	1447.33	
305	1402.45	1473.29	
310	1419.21	1490.88	
315	1427.99	1500.10	
320	1428.79	1500.93	
325	1421.60	1493.40	
330	1406.44	1477.48	
335	1383.29	1453.19	
340	1352.17	1420.53	
345	1313.10	1379.53	
350	1266.16	1330.26	
355	1211.44	1272.85	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission