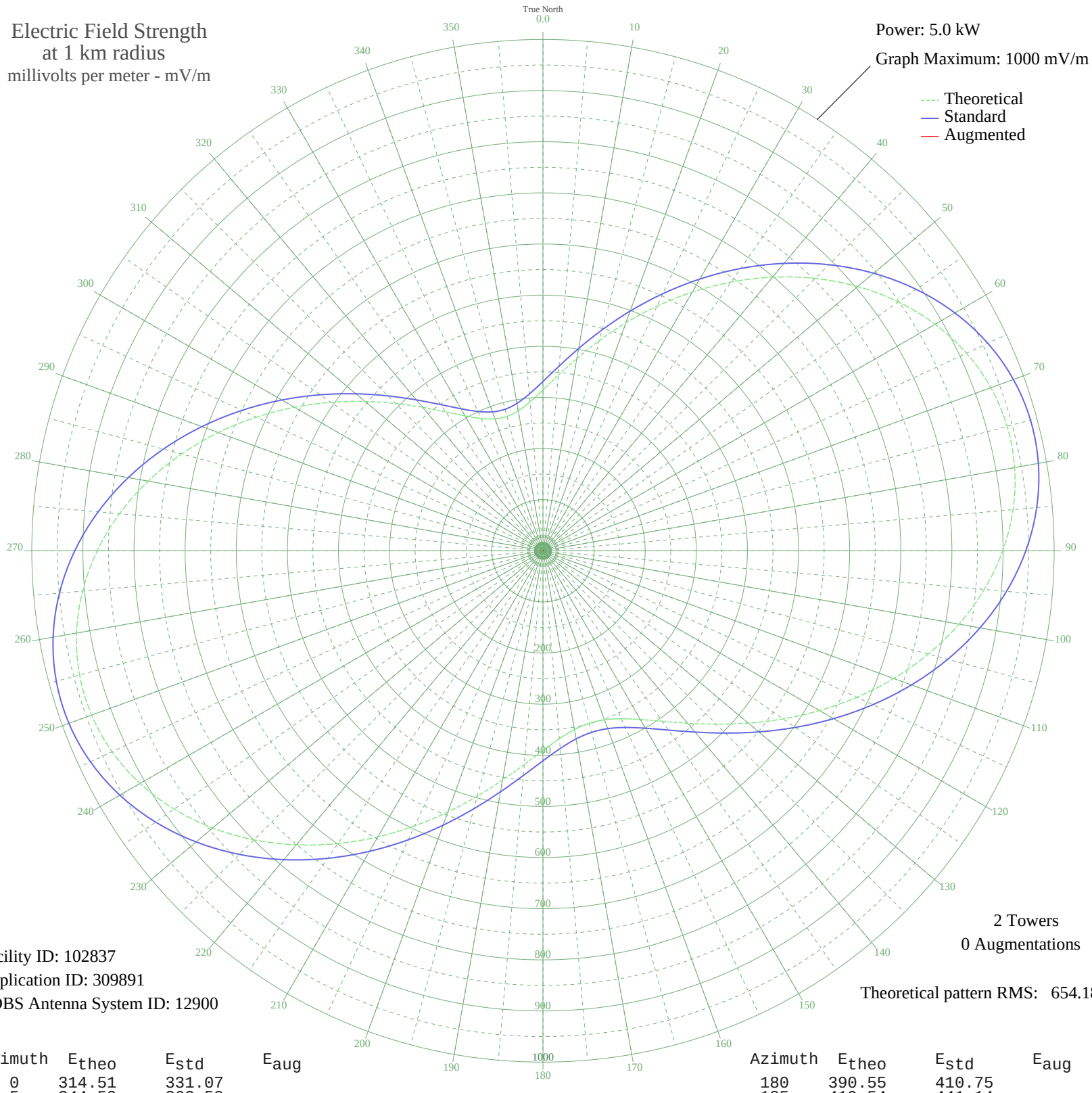
ZYK451 IBIRUBA, - Brazil -- 1240 kHz

Daytime

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



Power: 5.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 102837
Application ID: 309891
CDBS Antenna System ID: 12900

Theoretical pattern RMS: 654.18

Azimuth	E_{theo}	E_{std}	E_{aug}
0	314.51	331.07	
5	344.59	362.58	
10	381.82	401.60	
15	425.44	447.33	
20	474.49	498.76	
25	527.79	554.68	
30	583.96	613.61	
35	641.43	673.91	
40	698.46	733.76	
45	753.23	791.24	
50	803.90	844.42	
55	848.66	891.40	
60	885.88	930.47	
65	914.18	960.17	
70	932.49	979.40	
75	940.16	987.45	
80	936.97	984.09	
85	923.14	969.58	
90	899.36	944.62	
95	866.68	910.31	
100	826.49	868.13	
105	780.41	819.77	
110	730.24	767.11	
115	677.79	712.06	
120	624.87	656.54	
125	573.20	602.32	
130	524.32	551.04	
135	479.61	504.13	
140	440.22	462.82	
145	407.10	428.10	
150	380.99	400.73	
155	362.45	381.30	
160	351.85	370.19	
165	349.39	367.61	
170	355.12	373.62	
175	368.93	388.09	
180	390.55	410.75	
185	419.54	441.14	
190	455.27	478.61	
195	496.91	522.29	
200	543.44	571.10	
205	593.62	623.74	
210	645.98	678.69	
215	698.92	734.24	
220	750.68	788.57	
225	799.44	839.74	
230	843.36	885.84	
235	880.73	925.07	
240	910.01	955.80	
245	929.91	976.69	
250	939.54	986.80	
255	938.39	985.59	
260	926.41	973.02	
265	904.00	949.49	
270	871.99	915.89	
275	831.57	873.46	
280	784.24	823.79	
285	731.72	768.66	
290	675.82	709.99	
295	618.39	649.74	
300	561.25	589.78	
305	506.04	531.86	
310	454.29	477.58	
315	407.28	428.29	
320	366.11	385.14	
325	331.66	349.04	
330	304.61	320.70	
335	285.45	300.64	
340	274.51	289.19	
345	271.97	286.53	
350	277.88	292.72	
355	292.14	307.64	

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission