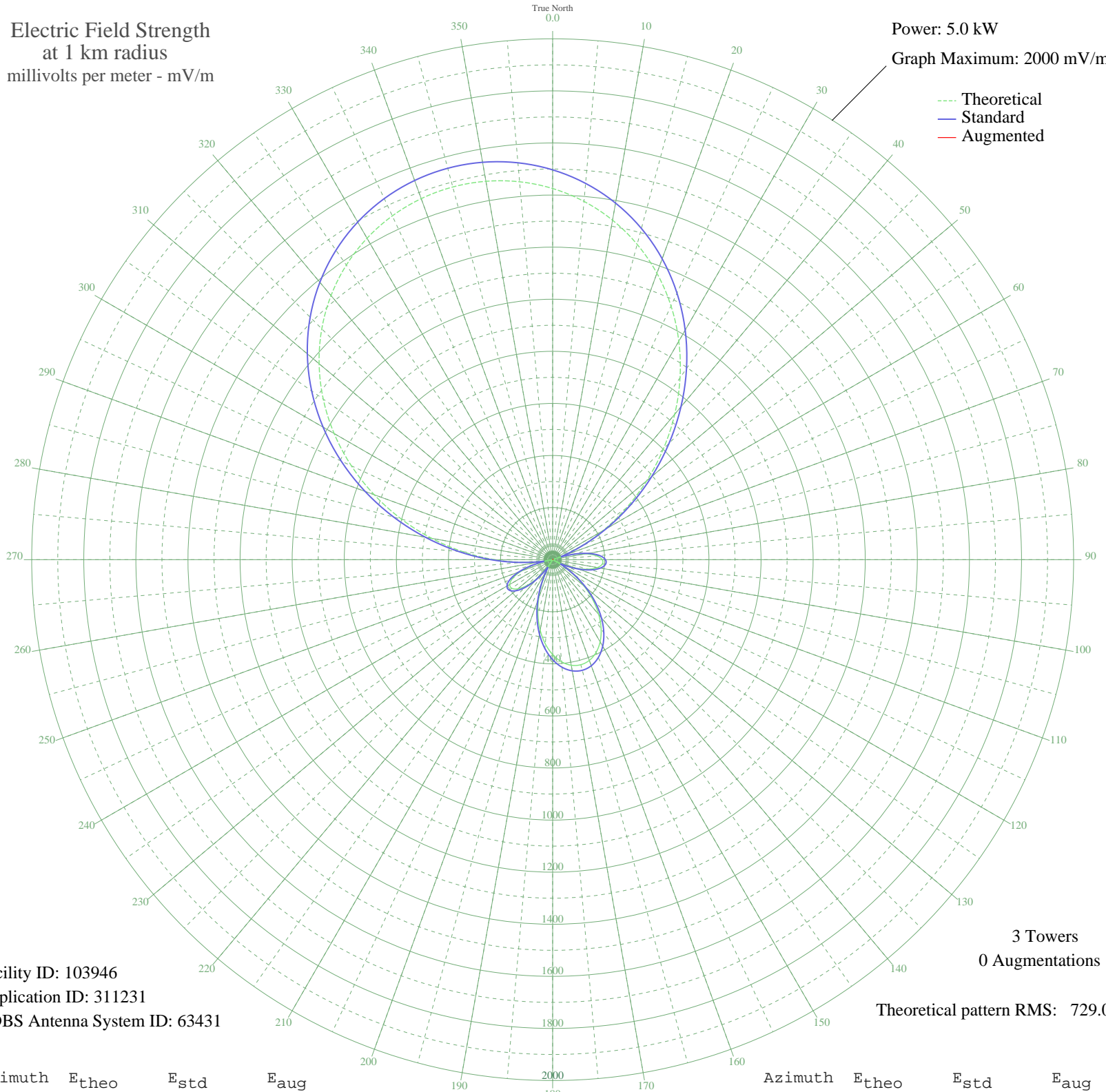


# ZYL241 ITABIRITO, - Brazil -- 1340 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 103946  
Application ID: 311231  
CDBS Antenna System ID: 63431

3 Towers  
0 Augmentations  
Theoretical pattern RMS: 729.04

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1425.18	1496.82	
5	1380.96	1450.40	
10	1323.74	1390.34	
15	1253.50	1316.61	
20	1170.45	1229.43	
25	1075.16	1129.42	
30	968.68	1017.67	
35	852.61	895.87	
40	729.12	766.32	
45	601.00	631.95	
50	471.53	496.25	
55	344.38	363.16	
60	223.42	236.99	
65	112.48	122.81	
70	15.12	37.22	
75	65.65	76.71	
80	127.56	138.11	
85	169.26	180.88	
90	190.37	202.71	
95	191.54	203.91	
100	174.30	186.08	
105	140.98	151.81	
110	94.51	104.79	
115	38.18	52.35	
120	24.58	42.42	
125	90.34	100.66	
130	155.91	167.13	
135	218.38	231.75	
140	275.25	290.97	
145	324.45	342.34	
150	364.34	384.04	
155	393.68	414.73	
160	411.61	433.50	
165	417.65	439.82	
170	411.61	433.50	
175	393.68	414.73	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	364.34	384.04	
185	324.45	342.34	
190	275.25	290.97	
195	218.38	231.75	
200	155.91	167.13	
205	90.34	100.66	
210	24.58	42.42	
215	38.18	52.35	
220	94.51	104.79	
225	140.98	151.81	
230	174.30	186.08	
235	191.54	203.91	
240	190.37	202.71	
245	169.26	180.88	
250	127.56	138.11	
255	65.65	76.71	
260	15.12	37.22	
265	112.48	122.81	
270	223.42	236.99	
275	344.38	363.16	
280	471.53	496.25	
285	601.00	631.95	
290	729.12	766.32	
295	852.61	895.87	
300	968.68	1017.67	
305	1075.16	1129.42	
310	1170.45	1229.43	
315	1253.50	1316.61	
320	1323.74	1390.34	
325	1380.96	1450.40	
330	1425.18	1496.82	
335	1456.56	1529.76	
340	1475.29	1549.42	
345	1481.52	1555.96	
350	1475.29	1549.42	
355	1456.56	1529.76	

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.

15 Feb 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission