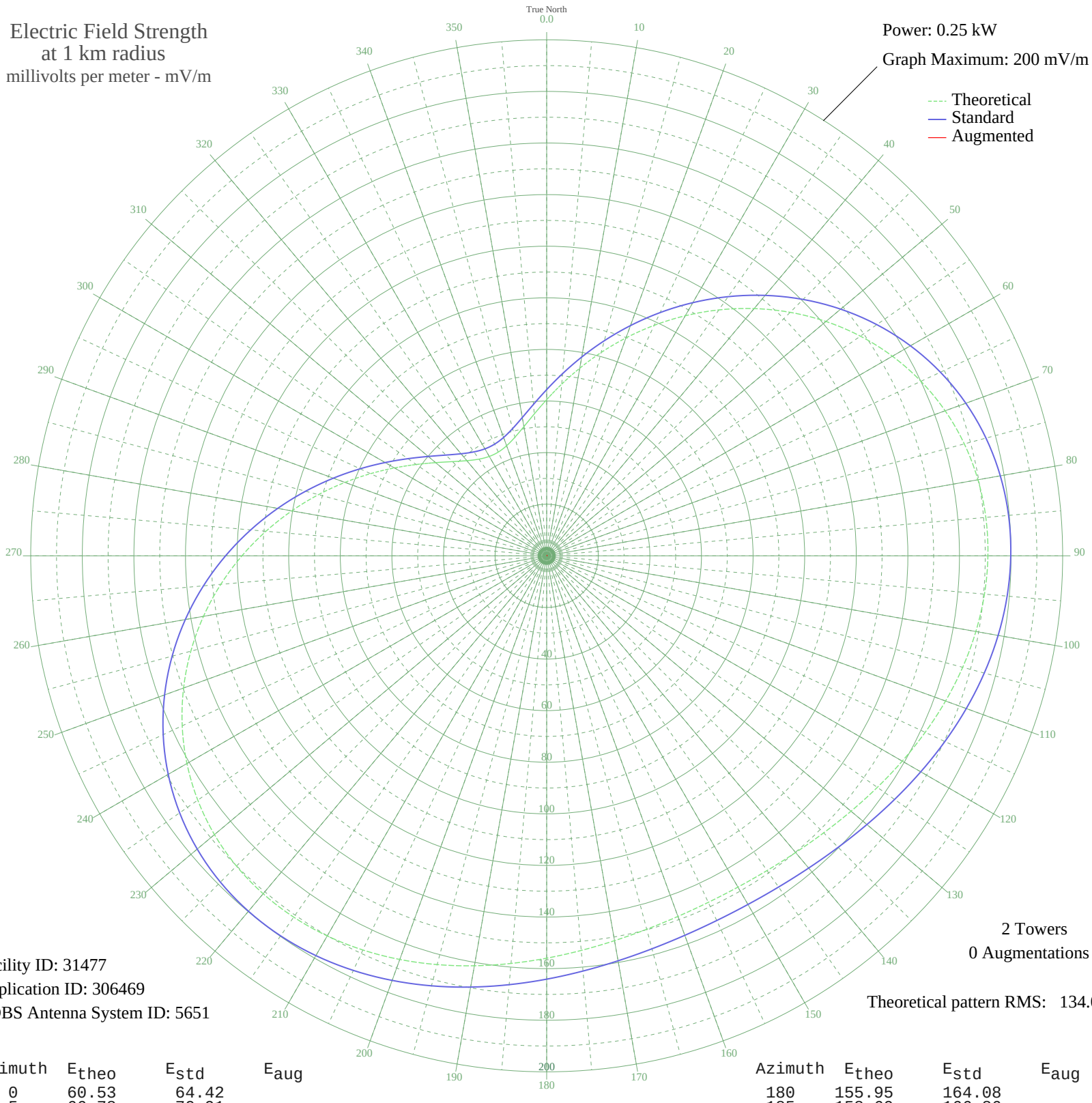
ZYI-680 CONCEICAO, - Brazil -- 710 kHz

Nighttime

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



Power: 0.25 kW

Graph Maximum: 200 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 31477
Application ID: 306469
CDBS Antenna System ID: 5651

Theoretical pattern RMS: 134.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	60.53	64.42	
5	66.78	70.91	
10	73.84	78.24	
15	81.59	86.31	
20	89.88	94.96	
25	98.56	104.02	
30	107.45	113.31	
35	116.35	122.62	
40	125.09	131.77	
45	133.47	140.54	
50	141.31	148.75	
55	148.45	156.22	
60	154.74	162.81	
65	160.07	168.40	
70	164.37	172.91	
75	167.59	176.29	
80	169.75	178.55	
85	170.87	179.72	
90	171.03	179.89	
95	170.34	179.17	
100	168.93	177.69	
105	166.94	175.60	
110	164.54	173.08	
115	161.88	170.30	
120	159.14	167.43	
125	156.46	164.62	
130	153.99	162.03	
135	151.85	159.78	
140	150.13	157.98	
145	148.92	156.71	
150	148.27	156.03	
155	148.21	155.97	
160	148.74	156.53	
165	149.84	157.68	
170	151.46	159.38	
175	153.53	161.55	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	155.95	164.08	
185	158.60	166.86	
190	161.34	169.73	
195	164.02	172.54	
200	166.49	175.13	
205	168.57	177.31	
210	170.11	178.93	
215	170.96	179.81	
220	170.98	179.83	
225	170.05	178.87	
230	168.11	176.83	
235	165.10	173.67	
240	161.01	169.39	
245	155.88	164.01	
250	149.78	157.62	
255	142.80	150.31	
260	135.09	142.23	
265	126.80	133.56	
270	118.12	124.47	
275	109.23	115.17	
280	100.33	105.87	
285	91.59	96.75	
290	83.21	88.00	
295	75.34	79.80	
300	68.14	72.31	
305	61.71	65.64	
310	56.19	59.92	
315	51.64	55.23	
320	48.15	51.63	
325	45.75	49.17	
330	44.49	47.88	
335	44.37	47.76	
340	45.41	48.82	
345	47.58	51.05	
350	50.86	54.42	
355	55.20	58.90	

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