

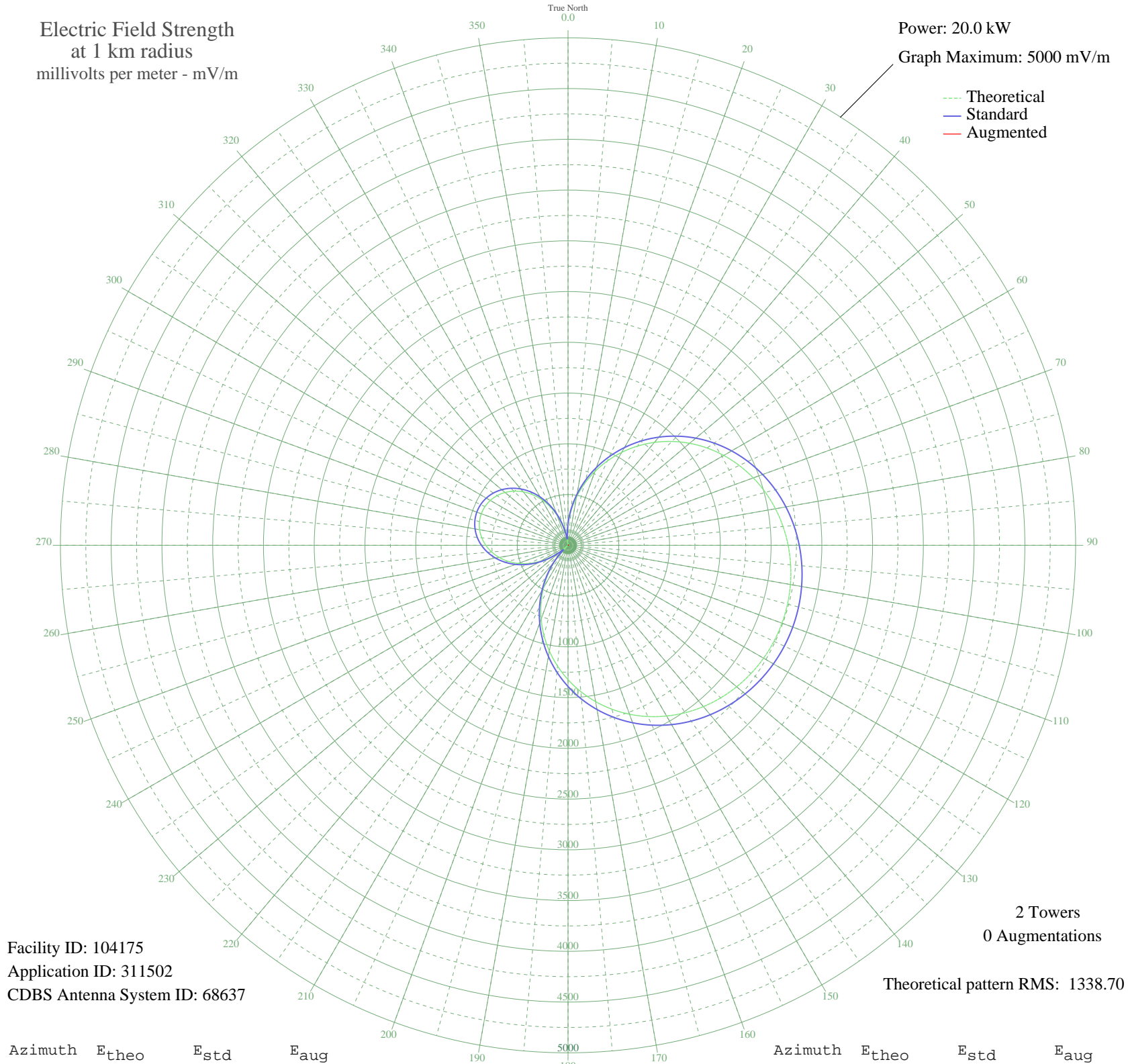
**- ITAPEVI, - Brazil -- 1370 kHz**

**Nighttime**

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

Power: 20.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 104175  
Application ID: 311502  
CDBS Antenna System ID: 68637

2 Towers  
0 Augmentations

Theoretical pattern RMS: 1338.70

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	199.15	217.38	
5	340.35	362.27	
10	484.20	511.87	
15	629.26	663.39	
20	774.09	814.96	
25	917.25	964.94	
30	1057.37	1111.82	
35	1193.16	1254.22	
40	1323.44	1390.88	
45	1447.17	1520.69	
50	1563.47	1642.71	
55	1671.58	1756.17	
60	1770.95	1860.44	
65	1861.14	1955.10	
70	1941.87	2039.83	
75	2012.98	2114.46	
80	2074.41	2178.94	
85	2126.17	2233.27	
90	2168.33	2277.52	
95	2200.97	2311.79	
100	2224.21	2336.17	
105	2238.11	2350.76	
110	2242.74	2355.62	
115	2238.11	2350.77	
120	2224.21	2336.17	
125	2200.97	2311.79	
130	2168.33	2277.52	
135	2126.17	2233.27	
140	2074.41	2178.94	
145	2012.98	2114.47	
150	1941.87	2039.83	
155	1861.14	1955.10	
160	1770.95	1860.45	
165	1671.58	1756.17	
170	1563.47	1642.71	
175	1447.17	1520.69	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1323.44	1390.88	
185	1193.16	1254.22	
190	1057.37	1111.82	
195	917.25	964.94	
200	774.09	814.96	
205	629.27	663.39	
210	484.20	511.87	
215	340.35	362.27	
220	199.15	217.38	
225	61.99	88.12	
230	69.80	94.34	
235	195.01	213.20	
240	312.52	333.48	
245	421.35	446.38	
250	520.64	549.89	
255	609.67	642.91	
260	687.85	724.68	
265	754.70	794.66	
270	809.84	852.40	
275	852.98	897.60	
280	883.94	930.03	
285	902.56	949.55	
290	908.78	956.07	
295	902.56	949.55	
300	883.94	930.03	
305	852.98	897.60	
310	809.84	852.40	
315	754.70	794.66	
320	687.85	724.68	
325	609.67	642.91	
330	520.64	549.89	
335	421.35	446.38	
340	312.52	333.48	
345	195.01	213.20	
350	69.80	94.34	
355	61.99	88.12	

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.

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10 Nov 2011

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Prepared by Audio Division, Media Bureau  
Federal Communications Commission