

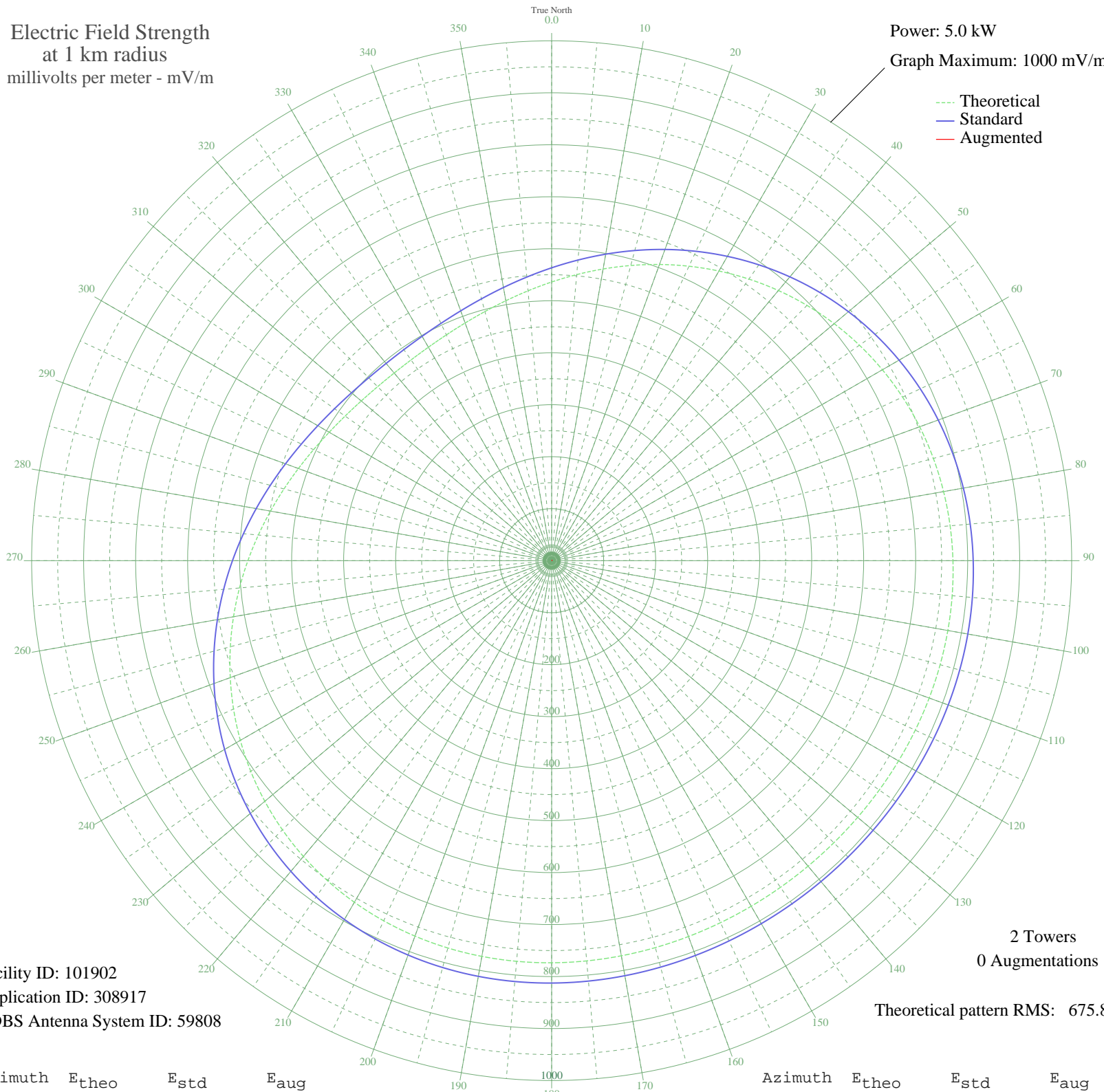
# ZYK-656 S CAETANO SU, - Brazil -- 1140 kHz

Daytime

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

Power: 5.0 kW

Graph Maximum: 1000 mV/m



Facility ID: 101902  
Application ID: 308917  
CDBS Antenna System ID: 59808

2 Towers  
0 Augmentations

Theoretical pattern RMS: 675.80

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	536.05	563.34	
5	552.36	580.45	
10	569.71	598.65	
15	587.80	617.64	
20	606.31	637.06	
25	624.93	656.60	
30	643.34	675.92	
35	661.24	694.70	
40	678.35	712.65	
45	694.41	729.51	
50	709.22	745.05	
55	722.59	759.08	
60	734.40	771.48	
65	744.58	782.17	
70	753.10	791.11	
75	759.99	798.33	
80	765.30	803.91	
85	769.17	807.97	
90	771.72	810.65	
95	773.14	812.14	
100	773.63	812.65	
105	773.38	812.39	
110	772.62	811.59	
115	771.53	810.44	
120	770.31	809.16	
125	769.13	807.92	
130	768.12	806.87	
135	767.40	806.12	
140	767.05	805.74	
145	767.09	805.79	
150	767.52	806.24	
155	768.30	807.06	
160	769.35	808.16	
165	770.55	809.42	
170	771.76	810.69	
175	772.80	811.78	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	773.48	812.50	
185	773.60	812.62	
190	772.94	811.93	
195	771.31	810.21	
200	768.50	807.27	
205	764.36	802.92	
210	758.74	797.02	
215	751.53	789.46	
220	742.68	780.17	
225	732.17	769.14	
230	720.04	756.40	
235	706.37	742.06	
240	691.29	726.24	
245	675.00	709.14	
250	657.72	691.00	
255	639.69	672.09	
260	621.22	652.70	
265	602.59	633.16	
270	584.14	613.79	
275	566.17	594.94	
280	549.00	576.93	
285	532.94	560.08	
290	518.25	544.67	
295	505.20	530.98	
300	494.01	519.24	
305	484.88	509.66	
310	477.95	502.40	
315	473.35	497.57	
320	471.15	495.27	
325	471.40	495.53	
330	474.08	498.34	
335	479.15	503.66	
340	486.53	511.40	
345	496.09	521.42	
350	507.67	533.57	
355	521.06	547.62	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission