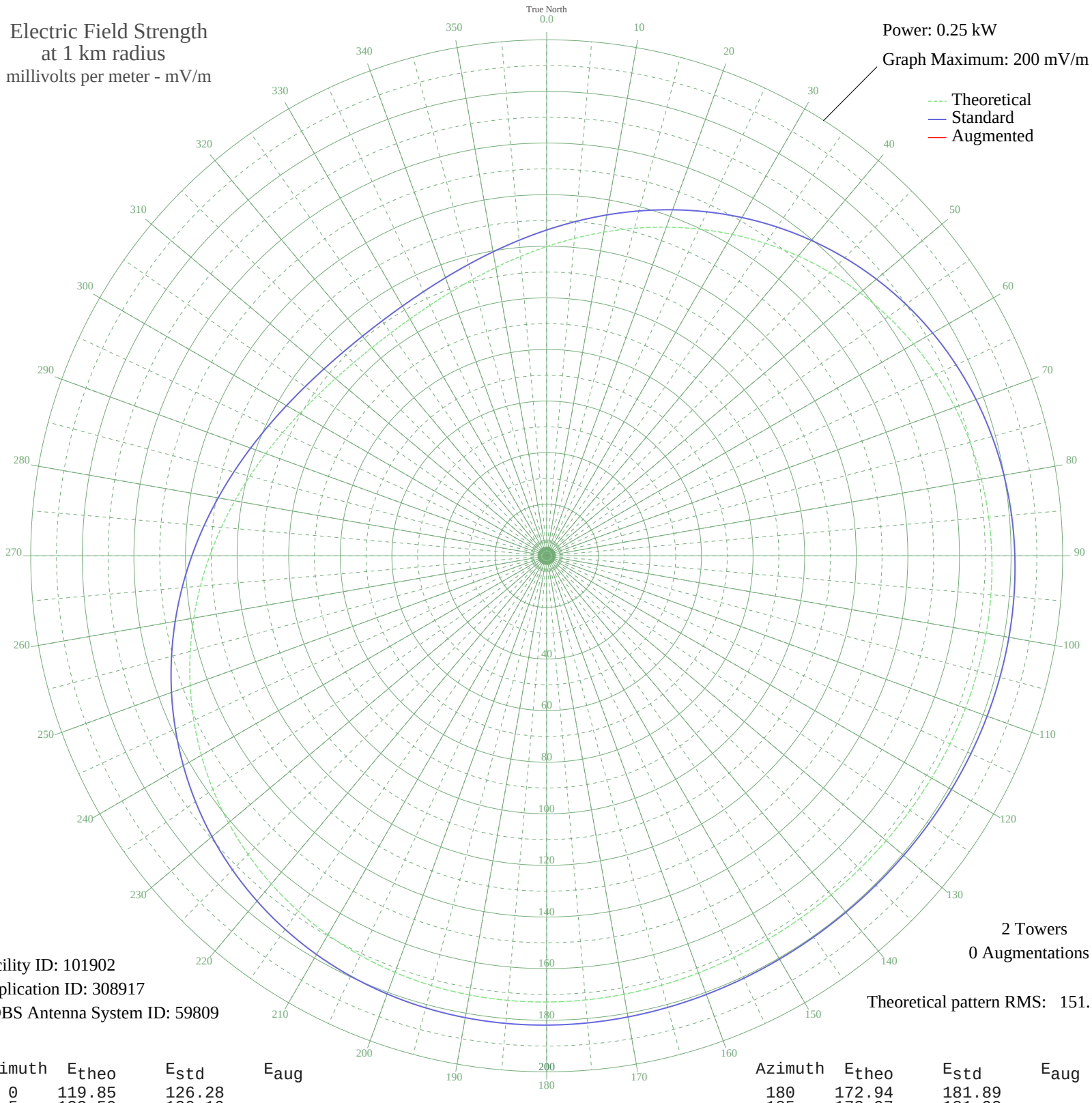
ZYK-656 S CAETANO SU, - Brazil -- 1140 kHz

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

Facility ID: 101902
Application ID: 308917
CDBS Antenna System ID: 59809

2 Towers
0 Augmentations

Theoretical pattern RMS: 151.10

Azimuth	E_{theo}	E_{std}	E_{aug}
0	119.85	126.28	
5	123.50	130.10	
10	127.38	134.16	
15	131.42	138.39	
20	135.56	142.73	
25	139.73	147.09	
30	143.84	151.40	
35	147.84	155.59	
40	151.67	159.60	
45	155.26	163.36	
50	158.57	166.83	
55	161.56	169.96	
60	164.20	172.73	
65	166.48	175.12	
70	168.38	177.11	
75	169.92	178.73	
80	171.11	179.97	
85	171.98	180.88	
90	172.55	181.48	
95	172.87	181.81	
100	172.97	181.93	
105	172.92	181.87	
110	172.75	181.69	
115	172.50	181.43	
120	172.23	181.15	
125	171.97	180.87	
130	171.74	180.63	
135	171.58	180.47	
140	171.50	180.38	
145	171.51	180.39	
150	171.61	180.49	
155	171.78	180.68	
160	172.02	180.92	
165	172.29	181.20	
170	172.56	181.49	
175	172.79	181.73	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	172.94	181.89	
185	172.97	181.92	
190	172.82	181.76	
195	172.45	181.38	
200	171.83	180.72	
205	170.90	179.75	
210	169.64	178.44	
215	168.03	176.75	
220	166.05	174.67	
225	163.70	172.21	
230	160.99	169.37	
235	157.93	166.16	
240	154.56	162.63	
245	150.92	158.82	
250	147.06	154.77	
255	143.03	150.54	
260	138.90	146.22	
265	134.73	141.86	
270	130.61	137.54	
275	126.59	133.33	
280	122.75	129.31	
285	119.16	125.56	
290	115.87	122.12	
295	112.96	119.07	
300	110.45	116.45	
305	108.41	114.32	
310	106.86	112.70	
315	105.84	111.62	
320	105.34	111.11	
325	105.40	111.17	
330	106.00	111.79	
335	107.13	112.98	
340	108.78	114.70	
345	110.92	116.94	
350	113.51	119.65	
355	116.50	122.78	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission