

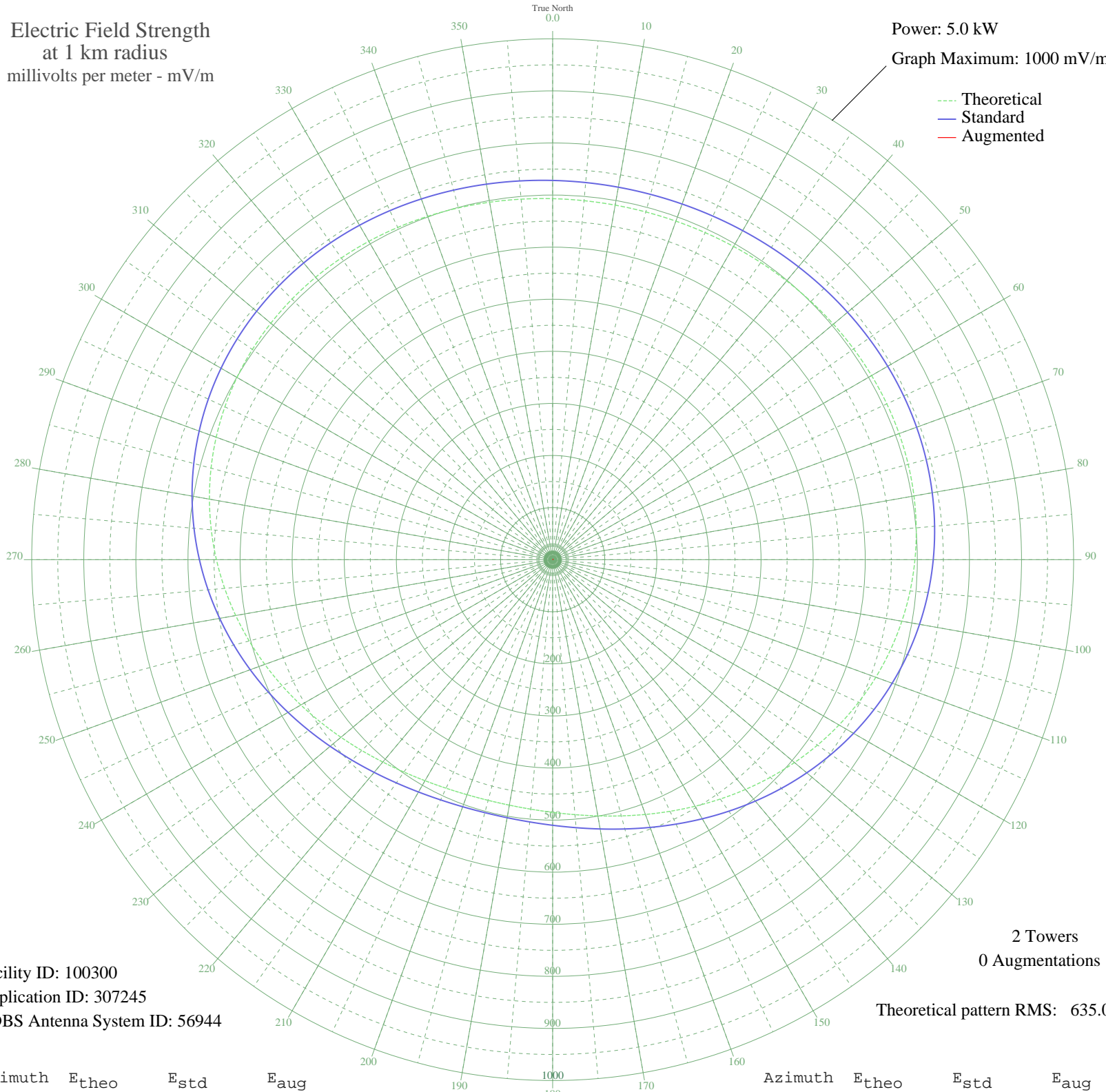
**- CRISTALANDIA, - Brazil -- 900 kHz**

**Nighttime**

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

Power: 5.0 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 100300  
Application ID: 307245  
CDBS Antenna System ID: 56944

2 Towers  
0 Augmentations

Theoretical pattern RMS: 635.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	693.07	728.10	
5	691.84	726.82	
10	691.18	726.12	
15	691.12	726.06	
20	691.67	726.63	
25	692.78	727.80	
30	694.40	729.49	
35	696.41	731.61	
40	698.69	734.00	
45	701.06	736.49	
50	703.36	738.90	
55	705.37	741.02	
60	706.91	742.62	
65	707.75	743.51	
70	707.71	743.46	
75	706.59	742.29	
80	704.26	739.84	
85	700.56	735.97	
90	695.43	730.57	
95	688.80	723.62	
100	680.67	715.09	
105	671.09	705.03	
110	660.14	693.55	
115	647.97	680.77	
120	634.74	666.89	
125	620.66	652.12	
130	605.98	636.72	
135	590.96	620.96	
140	575.88	605.13	
145	561.02	589.54	
150	546.66	574.48	
155	533.08	560.23	
160	520.54	547.08	
165	509.28	535.26	
170	499.52	525.02	
175	491.43	516.54	

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 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	485.18	509.98	
185	480.87	505.46	
190	478.59	503.07	
195	478.38	502.85	
200	480.25	504.81	
205	484.16	508.91	
210	490.03	515.07	
215	497.76	523.18	
220	507.21	533.08	
225	518.18	544.60	
230	530.48	557.50	
235	543.88	571.55	
240	558.10	586.47	
245	572.88	601.98	
250	587.94	617.79	
255	603.00	633.58	
260	617.77	649.08	
265	631.98	664.00	
270	645.40	678.08	
275	657.80	691.09	
280	669.00	702.85	
285	678.87	713.20	
290	687.29	722.04	
295	694.22	729.31	
300	699.65	735.01	
305	703.63	739.18	
310	706.23	741.91	
315	707.57	743.32	
320	707.82	743.58	
325	707.14	742.87	
330	705.73	741.38	
335	703.79	739.35	
340	701.53	736.99	
345	699.16	734.49	
350	696.85	732.07	
355	694.77	729.89	