

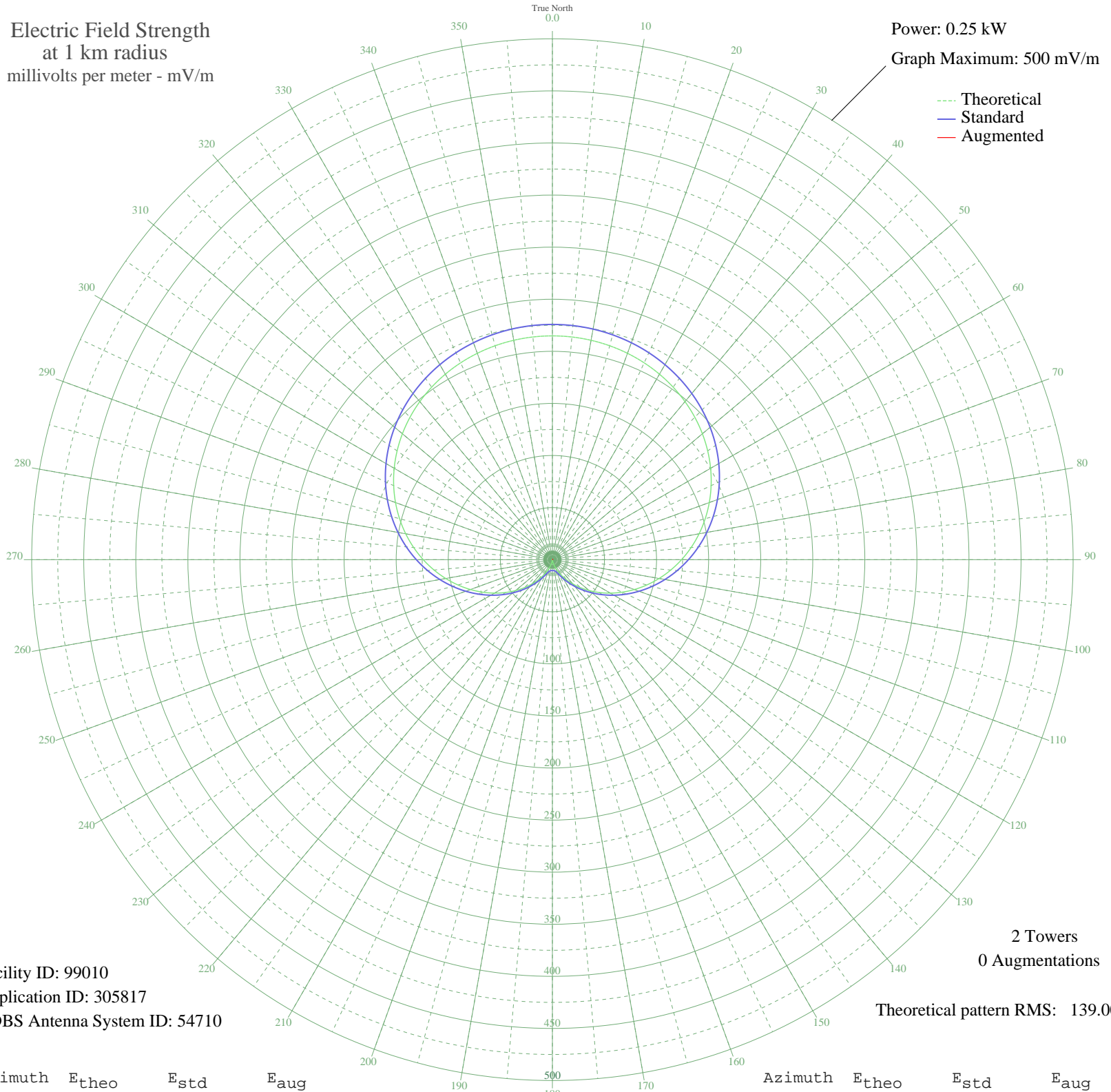
**- UBERABA, - Brazil -- 540 kHz**

**Nighttime**

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 99010  
Application ID: 305817  
CDBS Antenna System ID: 54710

2 Towers  
0 Augmentations

Theoretical pattern RMS: 139.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	214.83	225.81	
5	214.58	225.56	
10	213.84	224.77	
15	212.58	223.46	
20	210.81	221.60	
25	208.49	219.16	
30	205.61	216.14	
35	202.14	212.51	
40	198.06	208.23	
45	193.36	203.30	
50	188.02	197.70	
55	182.03	191.42	
60	175.41	184.48	
65	168.16	176.88	
70	160.31	168.66	
75	151.92	159.86	
80	143.03	150.54	
85	133.70	140.78	
90	124.03	130.66	
95	114.10	120.27	
100	104.01	109.72	
105	93.87	99.12	
110	83.78	88.59	
115	73.86	78.26	
120	64.20	68.23	
125	54.93	58.62	
130	46.13	49.56	
135	37.89	41.15	
140	30.31	33.51	
145	23.45	26.77	
150	17.39	21.06	
155	12.16	16.53	
160	7.83	13.34	
165	4.43	11.48	
170	1.97	10.70	
175	0.49	10.51	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	0.00	10.50	
185	0.49	10.51	
190	1.97	10.70	
195	4.43	11.48	
200	7.83	13.34	
205	12.16	16.53	
210	17.39	21.06	
215	23.45	26.77	
220	30.31	33.51	
225	37.89	41.15	
230	46.13	49.56	
235	54.93	58.62	
240	64.20	68.23	
245	73.86	78.26	
250	83.78	88.59	
255	93.87	99.12	
260	104.01	109.72	
265	114.10	120.27	
270	124.03	130.66	
275	133.70	140.78	
280	143.03	150.54	
285	151.92	159.86	
290	160.31	168.66	
295	168.16	176.88	
300	175.41	184.48	
305	182.03	191.42	
310	188.02	197.70	
315	193.36	203.30	
320	198.06	208.23	
325	202.14	212.51	
330	205.61	216.14	
335	208.49	219.16	
340	210.81	221.60	
345	212.58	223.46	
350	213.84	224.77	
355	214.58	225.56	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission