

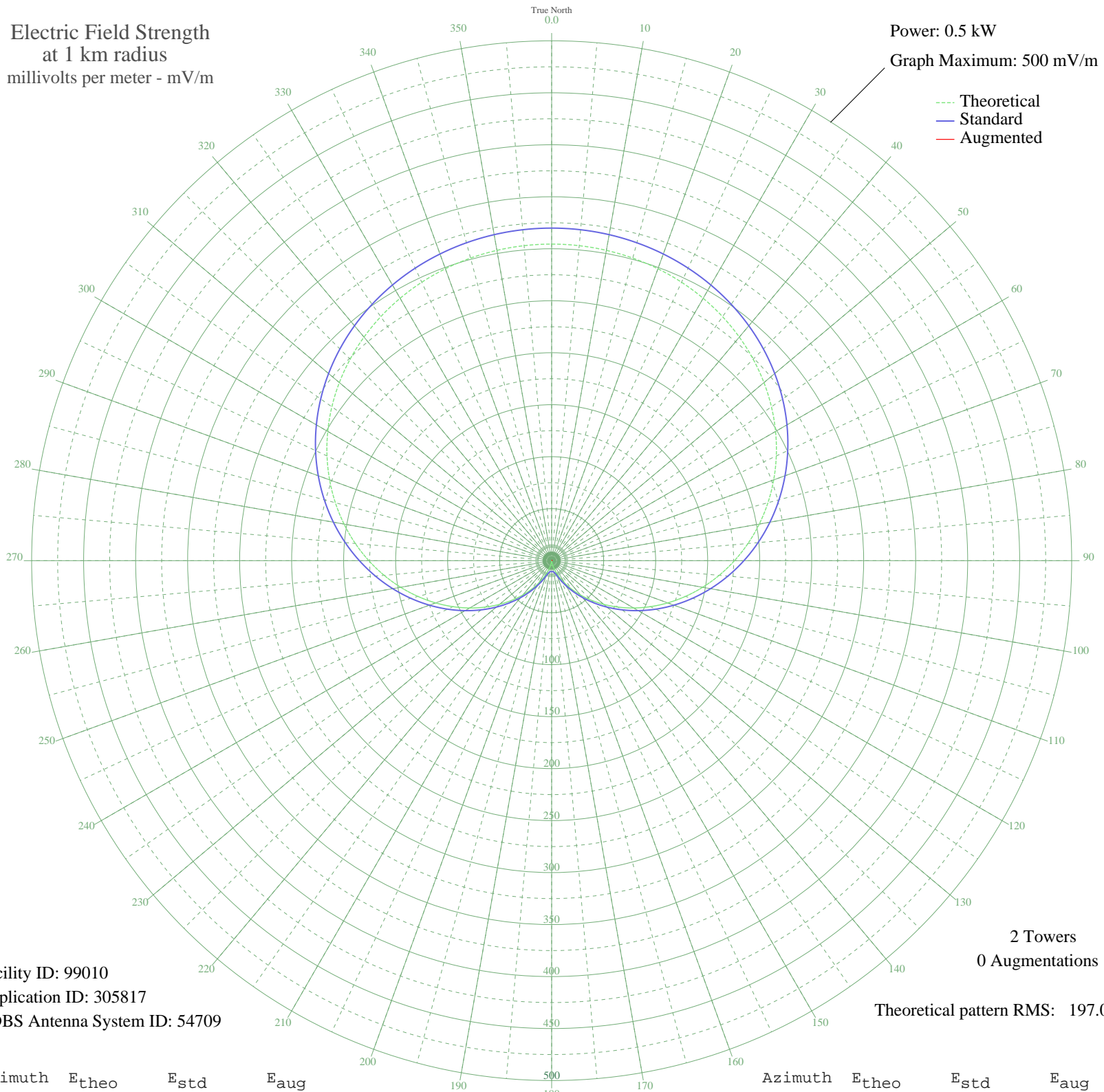
**- UBERABA, - Brazil -- 540 kHz**

Daytime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 99010  
Application ID: 305817  
CDBS Antenna System ID: 54709

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 197.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	304.47	319.87	
5	304.12	319.50	
10	303.06	318.39	
15	301.29	316.52	
20	298.77	313.88	
25	295.48	310.44	
30	291.40	306.15	
35	286.49	300.99	
40	280.71	294.93	
45	274.04	287.94	
50	266.47	279.99	
55	257.99	271.09	
60	248.60	261.24	
65	238.32	250.46	
70	227.21	238.80	
75	215.31	226.32	
80	202.70	213.10	
85	189.49	199.24	
90	175.79	184.87	
95	161.71	170.12	
100	147.41	155.14	
105	133.04	140.09	
110	118.74	125.12	
115	104.67	110.41	
120	90.99	96.12	
125	77.85	82.41	
130	65.37	69.44	
135	53.71	57.36	
140	42.96	46.31	
145	33.24	36.45	
150	24.64	27.92	
155	17.24	20.93	
160	11.10	15.69	
165	6.27	12.39	
170	2.80	10.90	
175	0.70	10.53	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	0.00	10.50	
185	0.70	10.53	
190	2.80	10.90	
195	6.27	12.39	
200	11.10	15.69	
205	17.24	20.93	
210	24.64	27.92	
215	33.24	36.45	
220	42.96	46.31	
225	53.71	57.36	
230	65.37	69.44	
235	77.85	82.41	
240	90.99	96.12	
245	104.67	110.41	
250	118.74	125.12	
255	133.04	140.09	
260	147.41	155.14	
265	161.71	170.12	
270	175.79	184.87	
275	189.49	199.24	
280	202.70	213.10	
285	215.31	226.32	
290	227.21	238.80	
295	238.32	250.46	
300	248.60	261.24	
305	257.99	271.09	
310	266.47	279.99	
315	274.04	287.94	
320	280.71	294.93	
325	286.49	300.99	
330	291.40	306.15	
335	295.48	310.44	
340	298.77	313.88	
345	301.29	316.52	
350	303.06	318.39	
355	304.12	319.50	

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