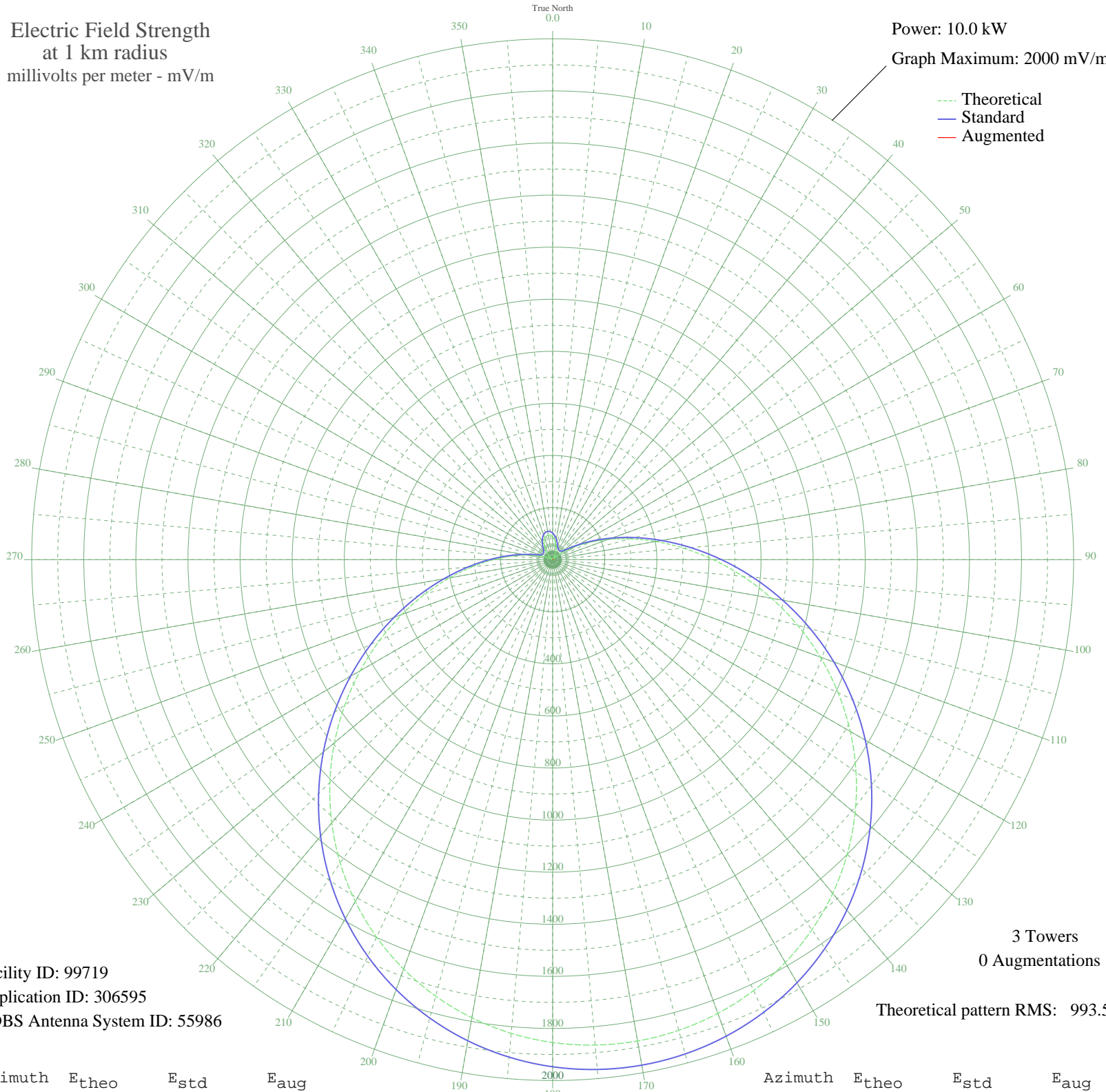


# ZYK650 SANTO ANDRE, - Brazil -- 740 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 99719  
Application ID: 306595  
CDBS Antenna System ID: 55986

3 Towers  
0 Augmentations

Theoretical pattern RMS: 993.54

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	87.61	102.01	
5	77.33	92.40	
10	64.09	80.46	
15	49.00	67.76	
20	33.44	56.37	
25	19.03	48.42	
30	7.56	44.81	
35	0.92	44.11	
40	1.00	44.11	
45	9.65	45.25	
50	28.50	53.29	
55	58.92	75.97	
60	101.88	115.70	
65	157.90	171.56	
70	227.00	242.40	
75	308.64	327.06	
80	401.76	424.15	
85	504.83	531.90	
90	615.90	648.20	
95	732.75	770.65	
100	852.94	896.67	
105	974.00	1023.65	
110	1093.53	1149.06	
115	1209.29	1270.52	
120	1319.27	1385.94	
125	1421.80	1493.54	
130	1515.52	1591.91	
135	1599.40	1679.95	
140	1672.73	1756.92	
145	1735.04	1822.32	
150	1786.08	1875.90	
155	1825.75	1917.55	
160	1854.05	1947.25	
165	1871.01	1965.05	
170	1876.65	1970.98	
175	1871.01	1965.05	

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1854.05	1947.25	
185	1825.76	1917.55	
190	1786.08	1875.90	
195	1735.04	1822.32	
200	1672.73	1756.92	
205	1599.40	1679.95	
210	1515.52	1591.91	
215	1421.80	1493.54	
220	1319.27	1385.94	
225	1209.29	1270.52	
230	1093.53	1149.06	
235	974.00	1023.65	
240	852.94	896.67	
245	732.75	770.65	
250	615.90	648.20	
255	504.83	531.90	
260	401.76	424.15	
265	308.64	327.06	
270	227.00	242.40	
275	157.90	171.56	
280	101.88	115.70	
285	58.92	75.97	
290	28.50	53.29	
295	9.65	45.25	
300	1.00	44.11	
305	0.92	44.11	
310	7.56	44.81	
315	19.03	48.42	
320	33.44	56.37	
325	49.00	67.76	
330	64.09	80.46	
335	77.33	92.40	
340	87.61	102.01	
345	94.10	108.20	
350	96.33	110.34	
355	94.10	108.20	