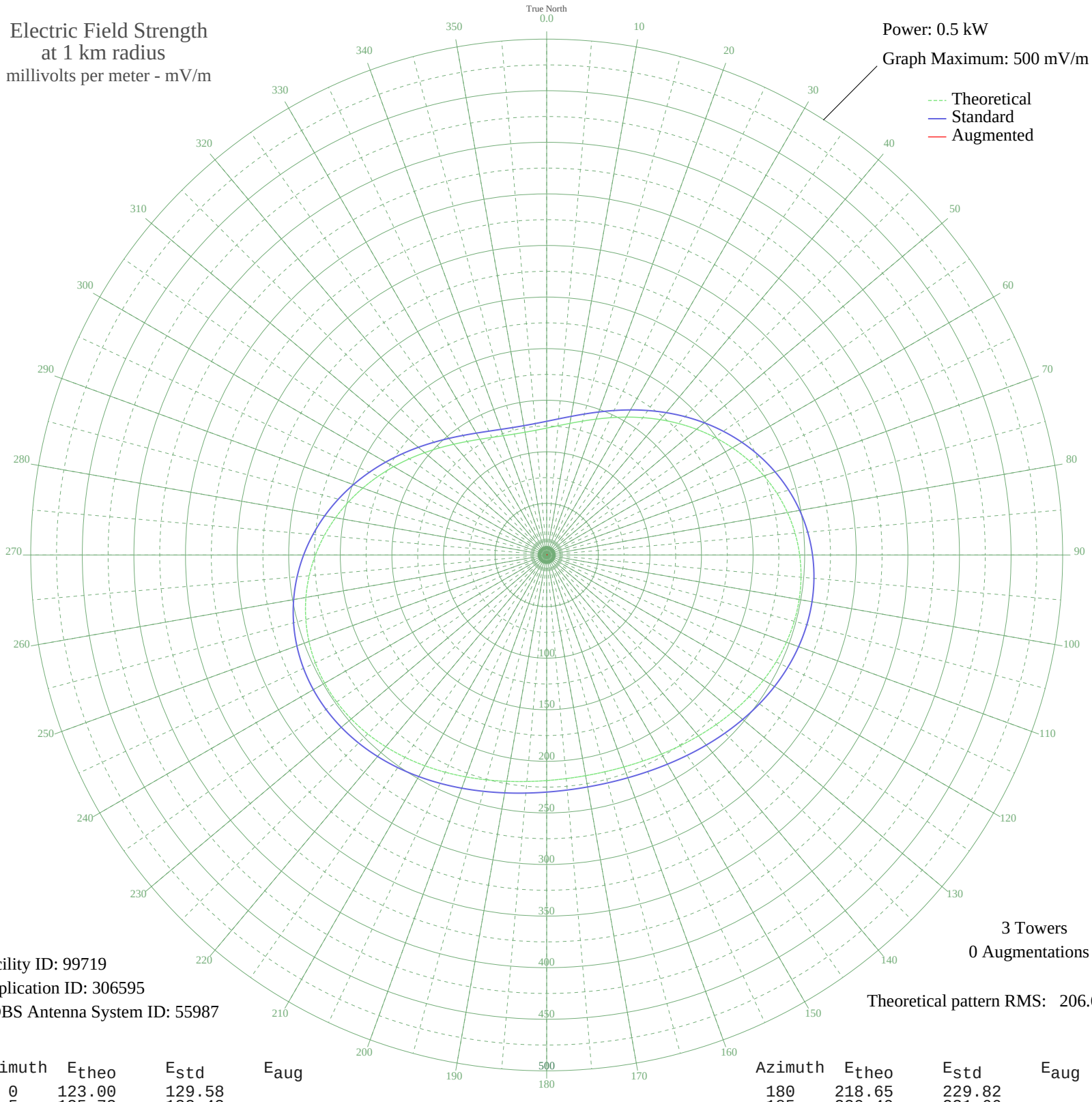
ZYK650 SANTO ANDRE, - Brazil -- 740 kHz

Nighttime

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



Power: 0.5 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 99719
Application ID: 306595
CDBS Antenna System ID: 55987

Theoretical pattern RMS: 206.60

Azimuth	E_{theo}	E_{std}	E_{aug}
0	123.00	129.58	
5	125.73	132.43	
10	129.51	136.40	
15	134.33	141.43	
20	140.11	147.49	
25	146.80	154.50	
30	154.30	162.36	
35	162.49	170.93	
40	171.21	180.08	
45	180.31	189.61	
50	189.58	199.33	
55	198.81	209.02	
60	207.79	218.43	
65	216.28	227.34	
70	224.09	235.53	
75	231.02	242.80	
80	236.91	248.97	
85	241.64	253.94	
90	245.15	257.62	
95	247.41	259.99	
100	248.46	261.09	
105	248.36	260.99	
110	247.25	259.82	
115	245.27	257.74	
120	242.59	254.94	
125	239.42	251.62	
130	235.96	247.98	
135	232.38	244.22	
140	228.88	240.55	
145	225.63	237.14	
150	222.76	234.13	
155	220.40	231.66	
160	218.65	229.82	
165	217.57	228.69	
170	217.21	228.31	
175	217.57	228.69	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	218.65	229.82	
185	220.40	231.66	
190	222.76	234.13	
195	225.63	237.14	
200	228.88	240.55	
205	232.38	244.22	
210	235.96	247.98	
215	239.42	251.62	
220	242.59	254.94	
225	245.27	257.74	
230	247.25	259.82	
235	248.36	260.99	
240	248.46	261.09	
245	247.41	259.99	
250	245.15	257.62	
255	241.64	253.94	
260	236.91	248.97	
265	231.02	242.80	
270	224.09	235.53	
275	216.28	227.34	
280	207.79	218.43	
285	198.81	209.02	
290	189.58	199.33	
295	180.31	189.61	
300	171.21	180.08	
305	162.49	170.93	
310	154.30	162.36	
315	146.80	154.50	
320	140.11	147.49	
325	134.33	141.43	
330	129.51	136.40	
335	125.73	132.43	
340	123.00	129.58	
345	121.35	127.85	
350	120.81	127.28	
355	121.35	127.85	

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