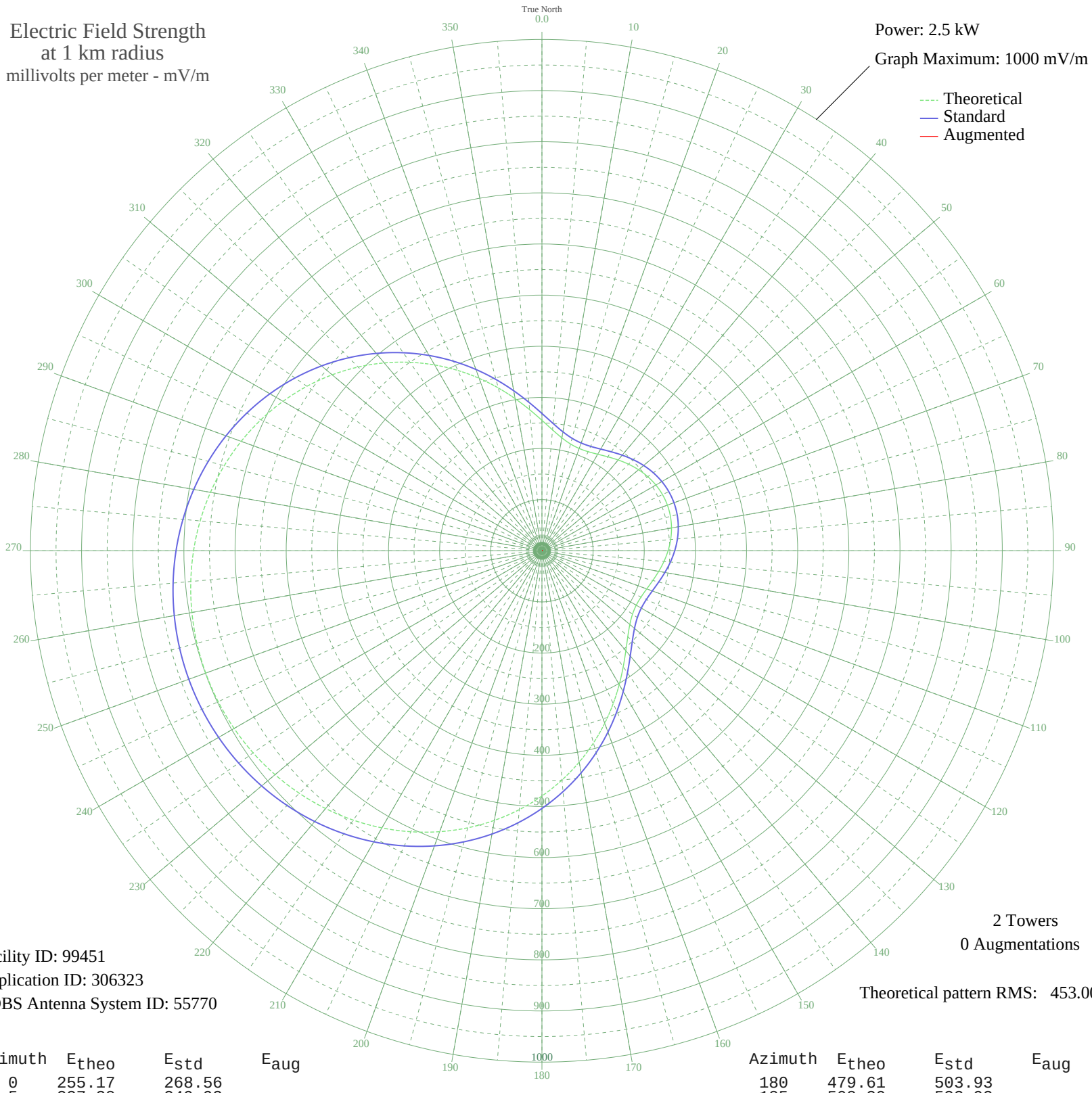
ZYJ231 NOVA ESPERAN, - Brazil -- 670 kHz

Daytime

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



Power: 2.5 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 99451
Application ID: 306323
CDBS Antenna System ID: 55770

Theoretical pattern RMS: 453.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	255.17	268.56	
5	237.38	249.93	
10	224.28	236.21	
15	216.17	227.73	
20	212.90	224.30	
25	213.84	225.29	
30	218.03	229.67	
35	224.37	236.31	
40	231.81	244.10	
45	239.46	252.10	
50	246.58	259.56	
55	252.63	265.90	
60	257.21	270.70	
65	260.06	273.68	
70	261.02	274.69	
75	260.06	273.68	
80	257.21	270.70	
85	252.63	265.90	
90	246.58	259.56	
95	239.46	252.10	
100	231.81	244.10	
105	224.37	236.31	
110	218.03	229.67	
115	213.84	225.29	
120	212.90	224.30	
125	216.17	227.73	
130	224.28	236.21	
135	237.38	249.93	
140	255.17	268.56	
145	277.02	291.46	
150	302.15	317.79	
155	329.72	346.69	
160	358.95	377.35	
165	389.14	409.01	
170	419.66	441.03	
175	449.97	472.83	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	479.61	503.93	
185	508.20	533.92	
190	535.39	562.46	
195	560.93	589.27	
200	584.61	614.11	
205	606.26	636.84	
210	625.76	657.31	
215	643.04	675.44	
220	658.04	691.18	
225	670.73	704.51	
230	681.10	715.40	
235	689.16	723.85	
240	694.91	729.88	
245	698.35	733.50	
250	699.50	734.70	
255	698.35	733.50	
260	694.91	729.88	
265	689.16	723.85	
270	681.10	715.40	
275	670.73	704.51	
280	658.04	691.18	
285	643.04	675.44	
290	625.76	657.31	
295	606.26	636.84	
300	584.61	614.11	
305	560.93	589.27	
310	535.39	562.46	
315	508.20	533.92	
320	479.61	503.93	
325	449.97	472.83	
330	419.66	441.03	
335	389.14	409.01	
340	358.95	377.35	
345	329.72	346.69	
350	302.15	317.79	
355	277.02	291.46	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission