

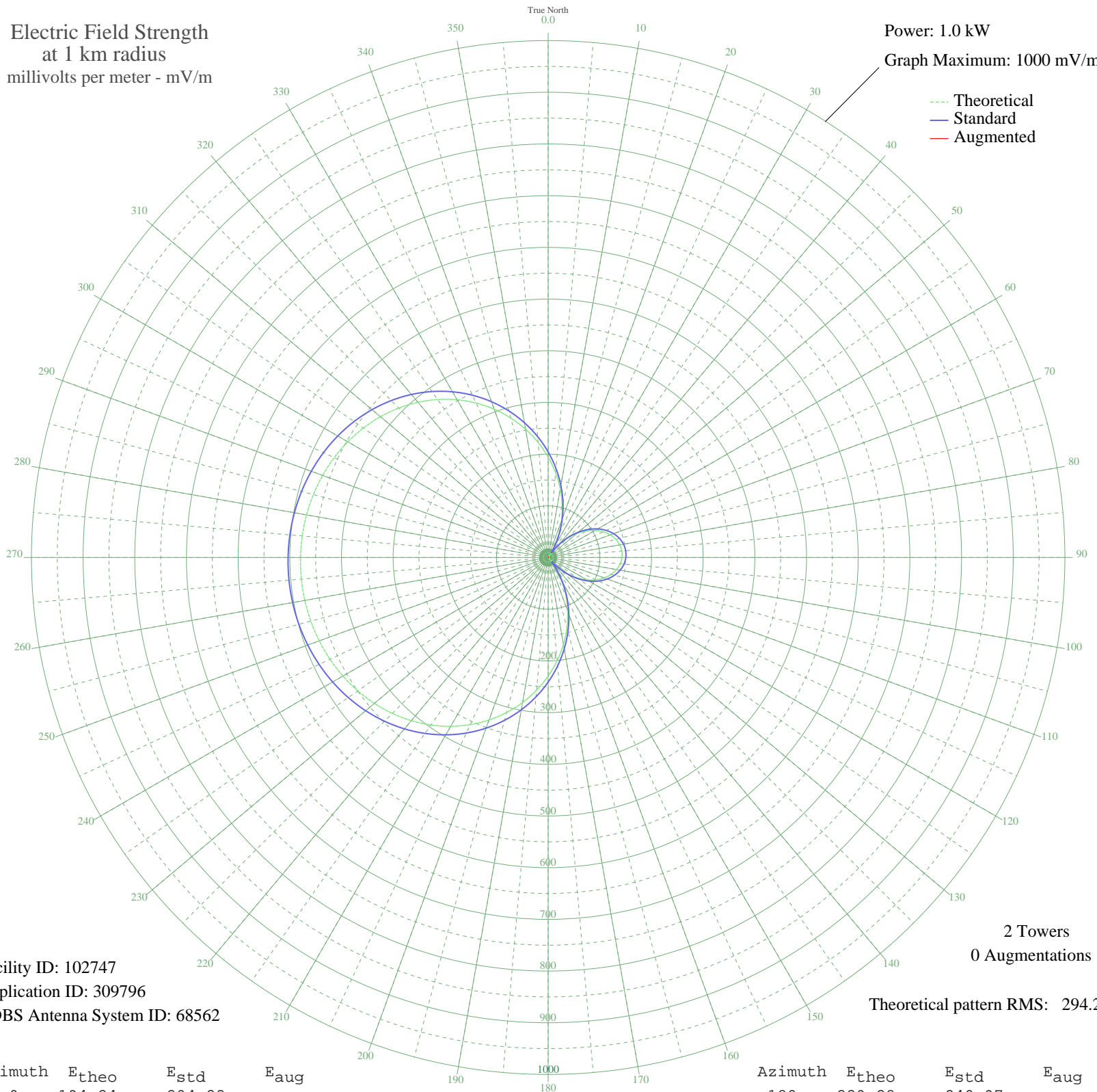
**- NOVA EUROPA, - Brazil -- 1230 kHz**

Daytime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 102747  
Application ID: 309796  
CDBS Antenna System ID: 68562

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 294.25

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	194.24	204.22	
5	164.48	173.02	
10	134.55	141.67	
15	104.81	110.55	
20	75.60	80.07	
25	47.24	50.71	
30	20.06	23.53	
35	5.68	12.07	
40	29.70	32.91	
45	51.80	55.39	
50	71.78	76.10	
55	89.49	94.55	
60	104.82	110.56	
65	117.66	123.99	
70	127.95	134.76	
75	135.64	142.81	
80	140.69	148.10	
85	143.09	150.61	
90	142.82	150.33	
95	139.89	147.26	
100	134.31	141.42	
105	126.10	132.82	
110	115.30	121.52	
115	101.95	107.56	
120	86.14	91.05	
125	67.96	72.13	
130	47.54	51.01	
135	25.04	28.31	
140	0.66	10.52	
145	25.39	28.65	
150	52.83	56.46	
155	81.38	86.09	
160	110.73	116.74	
165	140.53	147.93	
170	170.45	179.28	
175	200.15	210.42	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	229.28	240.97	
185	257.54	270.62	
190	284.63	299.05	
195	310.32	326.01	
200	334.39	351.27	
205	356.68	374.66	
210	377.07	396.07	
215	395.51	415.41	
220	411.95	432.68	
225	426.42	447.87	
230	438.96	461.03	
235	449.65	472.25	
240	458.55	481.59	
245	465.77	489.17	
250	471.39	495.07	
255	475.50	499.38	
260	478.15	502.16	
265	479.39	503.47	
270	479.25	503.33	
275	477.73	501.73	
280	474.79	498.64	
285	470.39	494.02	
290	464.46	487.79	
295	456.91	479.87	
300	447.66	470.16	
305	436.61	458.56	
310	423.68	444.99	
315	408.82	429.39	
320	391.98	411.71	
325	373.15	391.95	
330	352.37	370.14	
335	329.71	346.36	
340	305.31	320.74	
345	279.32	293.47	
350	251.97	264.78	
355	223.51	234.92	

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission