

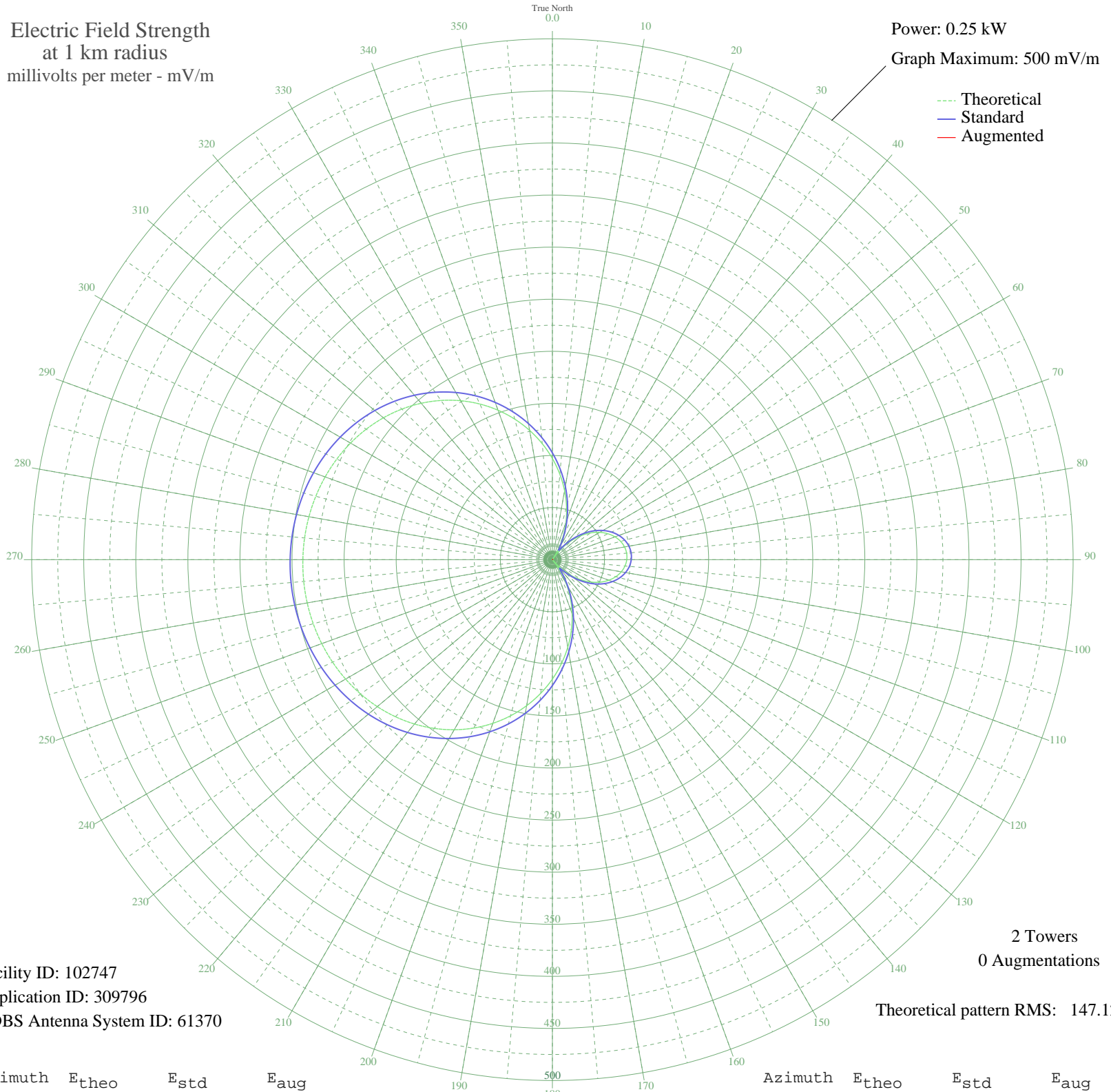
**- NOVA EUROPA, - Brazil -- 1230 kHz**

**Nighttime**

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 102747  
Application ID: 309796  
CDBS Antenna System ID: 61370

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 147.12

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	97.12	102.51	
5	82.24	86.98	
10	67.27	71.41	
15	52.40	56.02	
20	37.80	41.05	
25	23.62	26.93	
30	10.03	14.87	
35	2.84	10.91	
40	14.85	18.80	
45	25.90	29.15	
50	35.89	39.12	
55	44.75	48.14	
60	52.41	56.02	
65	58.83	62.66	
70	63.97	67.99	
75	67.82	71.98	
80	70.34	74.60	
85	71.54	75.85	
90	71.41	75.71	
95	69.94	74.19	
100	67.15	71.29	
105	63.05	67.03	
110	57.65	61.43	
115	50.97	54.54	
120	43.07	46.42	
125	33.98	37.19	
130	23.77	27.08	
135	12.52	16.83	
140	0.33	10.51	
145	12.69	16.97	
150	26.41	29.66	
155	40.69	44.00	
160	55.36	59.07	
165	70.26	74.52	
170	85.22	90.10	
175	100.07	105.60	

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.

31 Aug 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	114.64	120.82	
185	128.76	135.61	
190	142.31	149.80	
195	155.16	163.25	
200	167.19	175.86	
205	178.33	187.54	
210	188.53	198.23	
215	197.75	207.90	
220	205.97	216.52	
225	213.20	224.11	
230	219.47	230.69	
235	224.82	236.29	
240	229.27	240.96	
245	232.88	244.75	
250	235.69	247.69	
255	237.74	249.85	
260	239.07	251.24	
265	239.69	251.89	
270	239.62	251.82	
275	238.86	251.02	
280	237.39	249.48	
285	235.19	247.17	
290	232.22	244.06	
295	228.45	240.10	
300	223.82	235.25	
305	218.30	229.45	
310	211.83	222.67	
315	204.40	214.88	
320	195.98	206.05	
325	186.57	196.18	
330	176.18	185.29	
335	164.85	173.41	
340	152.65	160.62	
345	139.66	147.01	
350	125.98	132.70	
355	111.75	117.81	