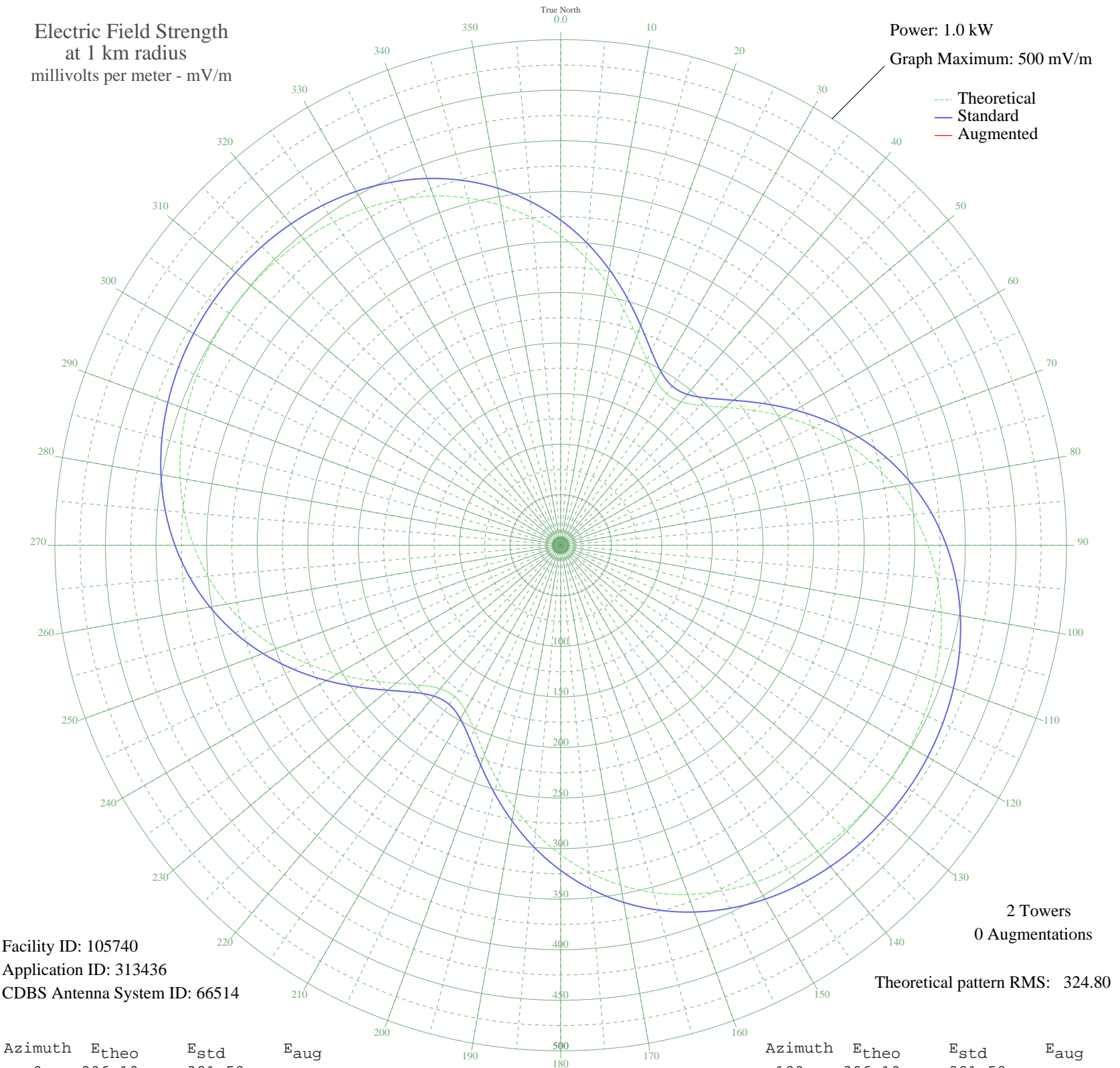


CX159 COLONIA, - Uruguay -- 1590 kHz  
Nighttime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m

Theoretical  
Standard  
Augmented



Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	306.10	321.58	
5	285.45	299.91	
10	263.52	276.89	
15	241.24	253.52	
20	220.01	231.25	
25	201.71	212.05	
30	188.58	198.28	
35	182.72	192.15	
40	185.27	194.81	
45	195.70	205.76	
50	212.21	223.07	
55	232.52	244.38	
60	254.58	267.51	
65	276.79	290.82	
70	298.04	313.12	
75	317.61	333.65	
80	335.06	351.97	
85	350.19	367.85	
90	362.99	381.28	
95	373.52	392.34	
100	381.97	401.20	
105	388.52	408.08	
110	393.39	413.20	
115	396.78	416.75	
120	398.83	418.91	
125	399.66	419.78	
130	399.31	419.41	
135	397.75	417.77	
140	394.92	414.80	
145	390.66	410.33	
150	384.80	404.18	
155	377.14	396.14	
160	367.46	385.98	
165	355.59	373.52	
170	341.40	358.62	
175	324.86	341.26	

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.

15 Feb 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	306.10	321.58	
185	285.45	299.91	
190	263.52	276.89	
195	241.24	253.52	
200	220.01	231.25	
205	201.71	212.05	
210	188.58	198.28	
215	182.72	192.15	
220	185.27	194.81	
225	195.70	205.76	
230	212.21	223.07	
235	232.52	244.38	
240	254.58	267.51	
245	276.79	290.82	
250	298.04	313.12	
255	317.61	333.65	
260	335.06	351.97	
265	350.19	367.85	
270	362.99	381.28	
275	373.52	392.34	
280	381.97	401.20	
285	388.52	408.08	
290	393.39	413.20	
295	396.78	416.75	
300	398.83	418.91	
305	399.66	419.78	
310	399.31	419.41	
315	397.75	417.77	
320	394.92	414.80	
325	390.66	410.33	
330	384.80	404.18	
335	377.14	396.14	
340	367.46	385.98	
345	355.59	373.52	
350	341.40	358.62	
355	324.86	341.26	