

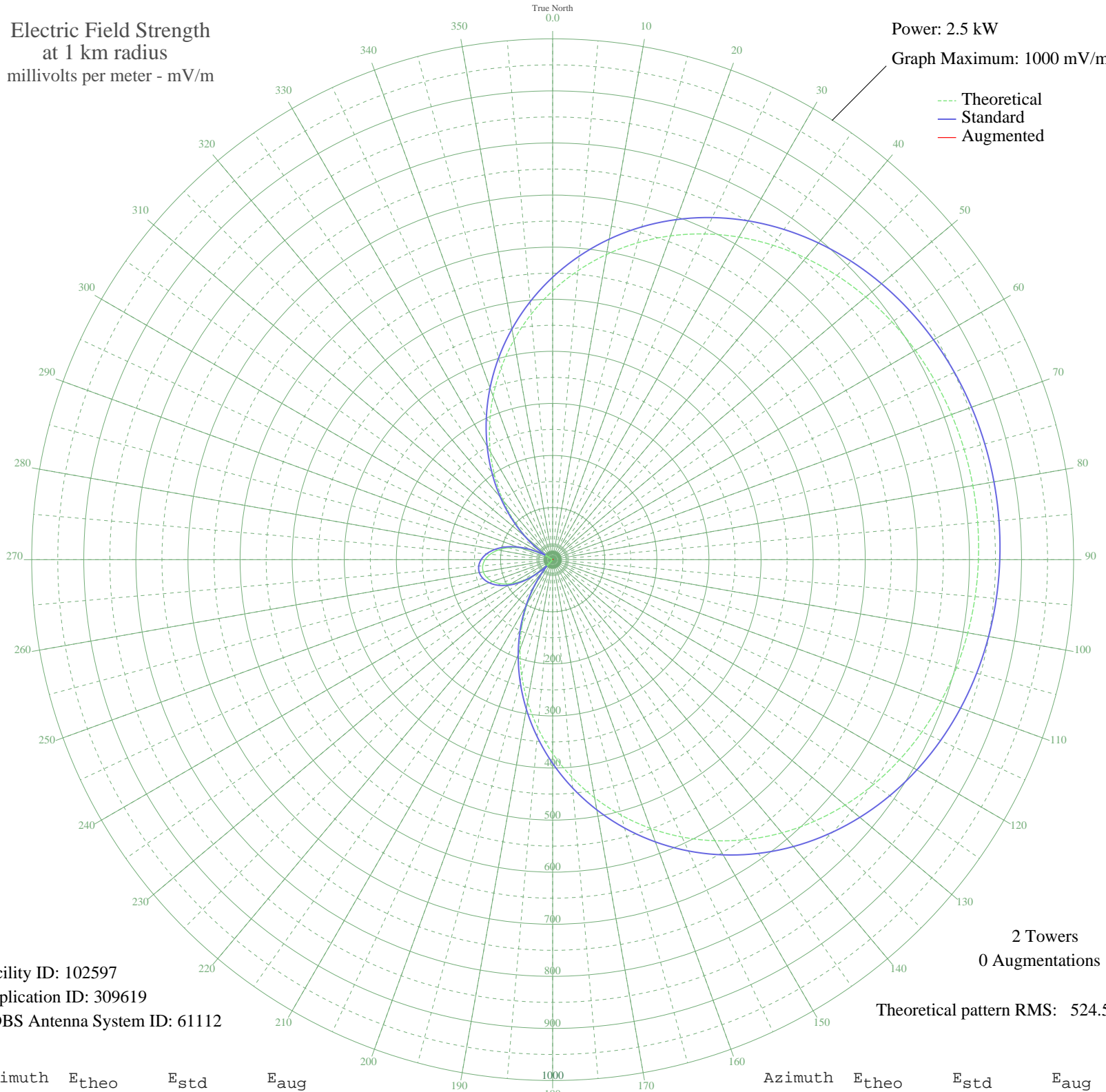
# ZYK-317 URUGUAIANA, - Brazil -- 1210 kHz

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

Theoretical pattern RMS: 524.50

Facility ID: 102597  
Application ID: 309619  
CDBS Antenna System ID: 61112

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	516.18	542.24	
5	556.90	584.98	
10	594.88	624.84	
15	629.82	661.52	
20	661.56	694.84	
25	690.00	724.69	
30	715.12	751.06	
35	737.00	774.03	
40	755.77	793.73	
45	771.61	810.36	
50	784.75	824.15	
55	795.41	835.34	
60	803.83	844.18	
65	810.23	850.91	
70	814.82	855.72	
75	817.74	858.79	
80	819.10	860.21	
85	818.95	860.06	
90	817.28	858.31	
95	814.04	854.90	
100	809.10	849.72	
105	802.31	842.59	
110	793.46	833.30	
115	782.33	821.61	
120	768.67	807.27	
125	752.26	790.05	
130	732.88	769.70	
135	710.36	746.06	
140	684.58	719.00	
145	655.48	688.45	
150	623.09	654.45	
155	587.52	617.12	
160	548.97	576.66	
165	507.74	533.38	
170	464.20	487.69	
175	418.81	440.07	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	372.09	391.05	
185	324.60	341.23	
190	276.92	291.24	
195	229.66	241.71	
200	183.41	193.29	
205	138.74	146.62	
210	96.18	102.35	
215	56.21	61.32	
220	19.27	26.17	
225	14.30	22.38	
230	44.17	49.26	
235	70.09	75.45	
240	91.88	97.89	
245	109.37	116.04	
250	122.47	129.66	
255	131.08	138.64	
260	135.17	142.90	
265	134.72	142.43	
270	129.72	137.22	
275	120.21	127.30	
280	106.22	112.77	
285	87.86	93.74	
290	65.23	70.48	
295	38.50	43.70	
300	7.87	18.54	
305	26.40	32.31	
310	63.98	69.20	
315	104.50	110.97	
320	147.52	155.78	
325	192.55	202.86	
330	239.05	251.55	
335	286.44	301.22	
340	334.13	351.23	
345	381.52	400.94	
350	428.02	449.72	
355	473.07	497.00	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission