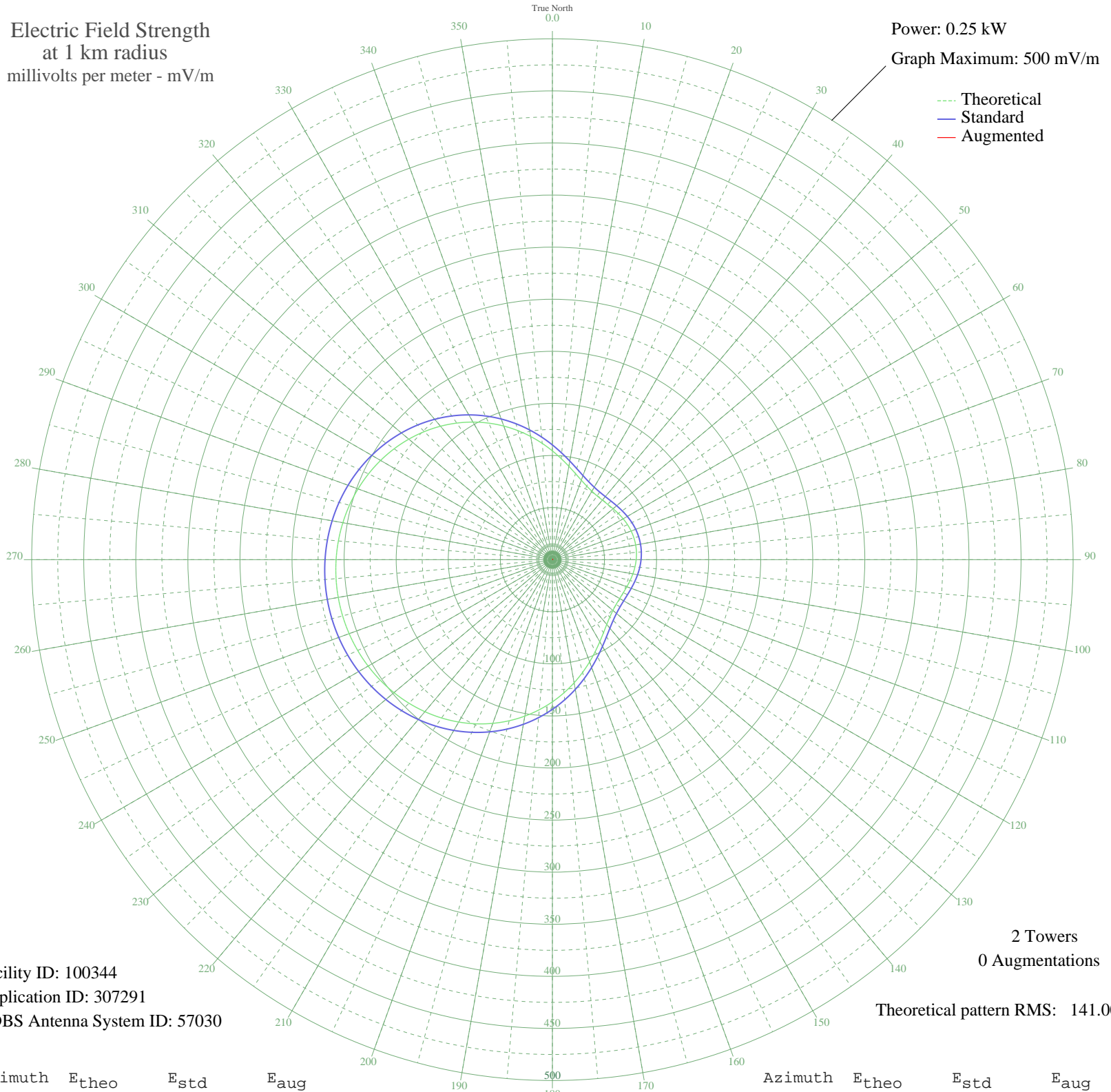


# ZYJ-207 APUCARANA, - Brazil -- 910 kHz

Nighttime

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m



Facility ID: 100344  
Application ID: 307291  
CDBS Antenna System ID: 57030

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 141.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	104.41	110.13	
5	97.33	102.73	
10	90.99	96.11	
15	85.56	90.45	
20	81.19	85.90	
25	77.95	82.52	
30	75.85	80.33	
35	74.79	79.22	
40	74.61	79.04	
45	75.11	79.56	
50	76.06	80.55	
55	77.24	81.78	
60	78.47	83.05	
65	79.57	84.21	
70	80.45	85.12	
75	81.00	85.70	
80	81.19	85.90	
85	81.00	85.70	
90	80.45	85.12	
95	79.57	84.21	
100	78.47	83.05	
105	77.24	81.78	
110	76.06	80.55	
115	75.11	79.56	
120	74.61	79.04	
125	74.79	79.22	
130	75.85	80.33	
135	77.95	82.52	
140	81.19	85.90	
145	85.56	90.45	
150	90.99	96.11	
155	97.33	102.73	
160	104.41	110.13	
165	112.05	118.12	
170	120.05	126.49	
175	128.25	135.08	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	136.49	143.70	
185	144.61	152.21	
190	152.51	160.48	
195	160.07	168.40	
200	167.21	175.88	
205	173.86	182.86	
210	179.98	189.27	
215	185.53	195.09	
220	190.49	200.29	
225	194.85	204.86	
230	198.60	208.79	
235	201.75	212.10	
240	204.31	214.78	
245	206.28	216.85	
250	207.69	218.33	
255	208.53	219.20	
260	208.81	219.50	
265	208.53	219.20	
270	207.69	218.33	
275	206.28	216.85	
280	204.31	214.78	
285	201.75	212.10	
290	198.60	208.79	
295	194.85	204.86	
300	190.49	200.29	
305	185.53	195.09	
310	179.98	189.27	
315	173.86	182.86	
320	167.21	175.88	
325	160.07	168.40	
330	152.51	160.48	
335	144.61	152.21	
340	136.49	143.70	
345	128.25	135.08	
350	120.05	126.49	
355	112.05	118.12	