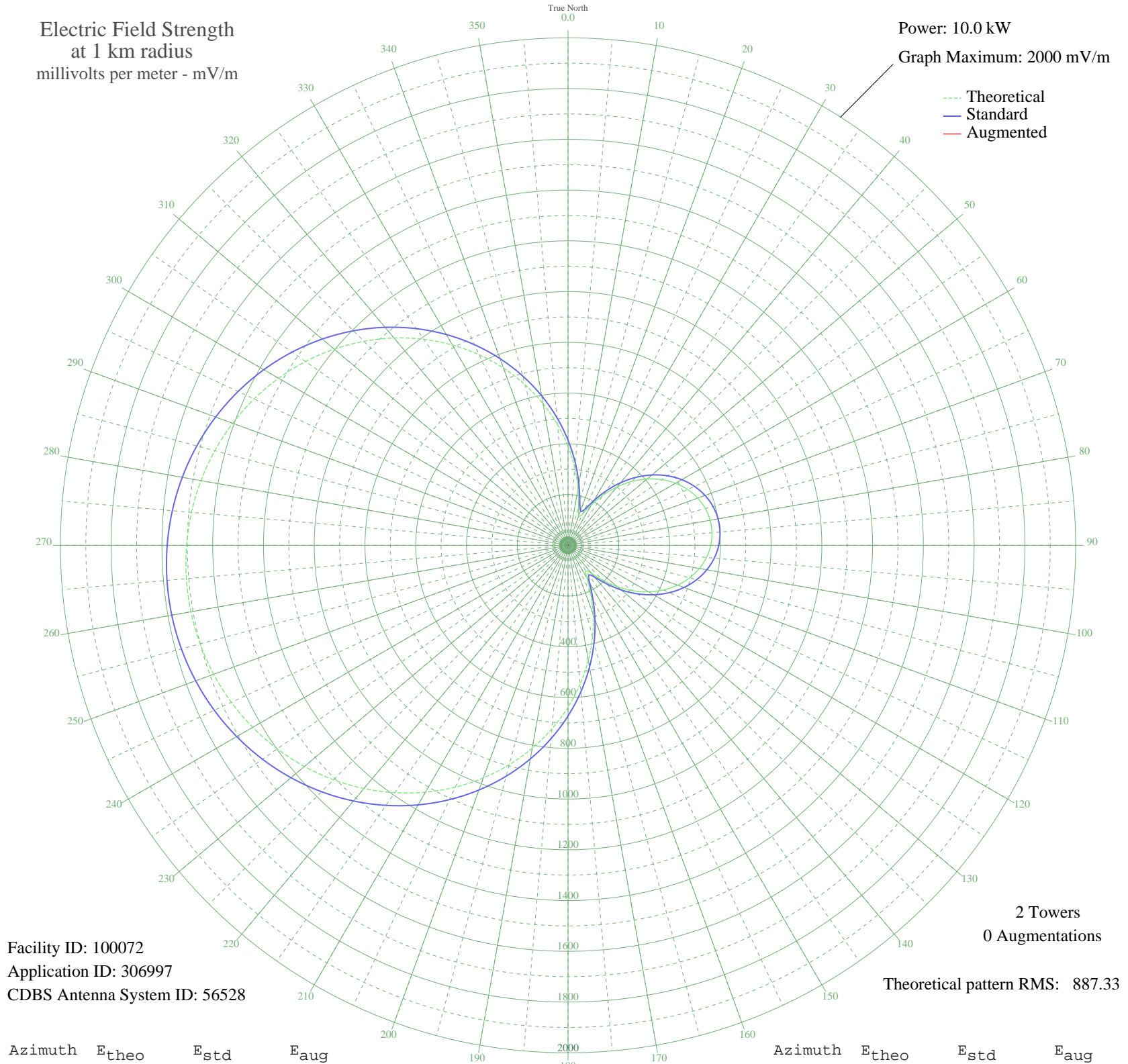


# ZYJ266 LONDRINA, - Brazil -- 830 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 100072  
Application ID: 306997  
CDBS Antenna System ID: 56528

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 887.33

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	390.21	414.49	
5	305.37	326.71	
10	226.43	245.87	
15	160.26	179.57	
20	123.93	144.44	
25	136.83	156.76	
30	183.94	203.05	
35	241.80	261.52	
40	300.37	321.55	
45	355.80	378.81	
50	406.33	431.23	
55	450.96	477.64	
60	489.03	517.29	
65	520.10	549.69	
70	543.86	574.48	
75	560.07	591.41	
80	568.61	600.32	
85	569.38	601.13	
90	562.40	593.84	
95	547.71	578.50	
100	525.45	555.27	
105	495.81	524.37	
110	459.11	486.13	
115	415.75	441.02	
120	366.34	389.73	
125	311.78	333.31	
130	253.63	273.59	
135	195.12	214.26	
140	144.48	164.14	
145	122.45	143.04	
150	149.80	169.33	
155	211.82	231.08	
160	288.97	309.83	
165	372.94	396.57	
170	460.23	487.29	
175	548.93	579.78	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	637.75	672.56	
185	725.64	764.50	
190	811.73	854.61	
195	895.21	942.06	
200	975.39	1026.08	
205	1051.62	1105.98	
210	1123.33	1181.16	
215	1190.01	1251.08	
220	1251.21	1315.27	
225	1306.55	1373.31	
230	1355.71	1424.87	
235	1398.40	1469.66	
240	1434.41	1507.44	
245	1463.57	1538.02	
250	1485.73	1561.27	
255	1500.79	1577.08	
260	1508.70	1585.38	
265	1509.42	1586.13	
270	1502.95	1579.34	
275	1489.31	1565.03	
280	1468.56	1543.26	
285	1440.80	1514.13	
290	1406.14	1477.78	
295	1364.77	1434.38	
300	1316.89	1384.15	
305	1262.76	1327.38	
310	1202.70	1264.39	
315	1137.09	1195.58	
320	1066.34	1121.41	
325	990.97	1042.41	
330	911.53	959.16	
335	828.65	872.34	
340	743.03	782.69	
345	655.43	691.05	
350	566.72	598.35	
355	477.90	505.70	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission