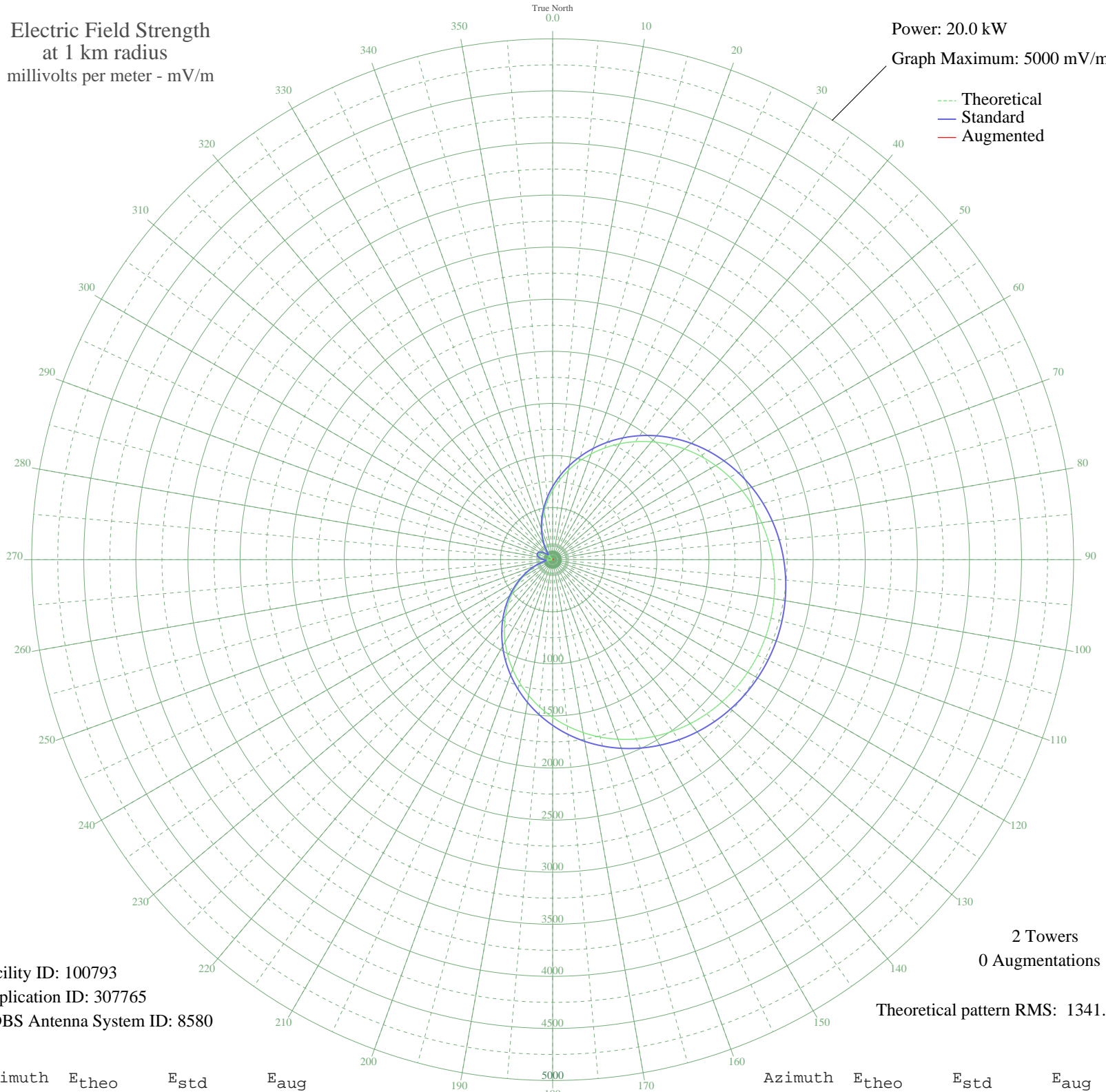


# ZYI-205 COLATINA, - Brazil -- 1020 kHz

Daytime

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

Power: 20.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 100793  
Application ID: 307765  
CDBS Antenna System ID: 8580

2 Towers  
0 Augmentations

Theoretical pattern RMS: 1341.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	665.54	701.36	
5	767.45	808.03	
10	871.10	916.61	
15	975.54	1026.05	
20	1079.80	1135.36	
25	1182.96	1243.54	
30	1284.11	1349.64	
35	1382.42	1452.77	
40	1477.10	1552.11	
45	1567.46	1646.91	
50	1652.87	1736.54	
55	1732.79	1820.41	
60	1806.80	1898.08	
65	1874.51	1969.14	
70	1935.66	2033.32	
75	1990.04	2090.39	
80	2037.49	2140.20	
85	2077.93	2182.64	
90	2111.30	2217.67	
95	2137.57	2245.24	
100	2156.74	2265.36	
105	2168.80	2278.02	
110	2173.77	2283.24	
115	2171.64	2281.00	
120	2162.42	2271.32	
125	2146.09	2254.19	
130	2122.66	2229.59	
135	2092.13	2197.55	
140	2054.51	2158.07	
145	2009.86	2111.19	
150	1958.24	2057.01	
155	1899.77	1995.66	
160	1834.66	1927.31	
165	1763.13	1852.25	
170	1685.52	1770.81	
175	1602.25	1683.42	

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	1513.80	1590.61	
185	1420.77	1493.00	
190	1323.82	1391.29	
195	1223.71	1286.28	
200	1121.25	1178.82	
205	1017.32	1069.85	
210	912.84	960.34	
215	808.76	851.29	
220	706.03	743.74	
225	605.63	638.71	
230	508.46	537.22	
235	415.45	440.29	
240	327.43	348.95	
245	245.20	264.29	
250	169.47	187.70	
255	100.91	121.63	
260	40.08	73.07	
265	12.52	61.16	
270	56.47	84.16	
275	91.44	113.07	
280	117.16	136.75	
285	133.44	152.31	
290	140.17	158.83	
295	137.28	156.03	
300	124.81	144.02	
305	102.85	123.41	
310	71.55	95.98	
315	31.16	68.10	
320	18.03	62.66	
325	75.62	99.36	
330	141.16	159.79	
335	214.09	232.59	
340	293.80	314.22	
345	379.60	403.03	
350	470.71	497.84	
355	566.32	597.63	