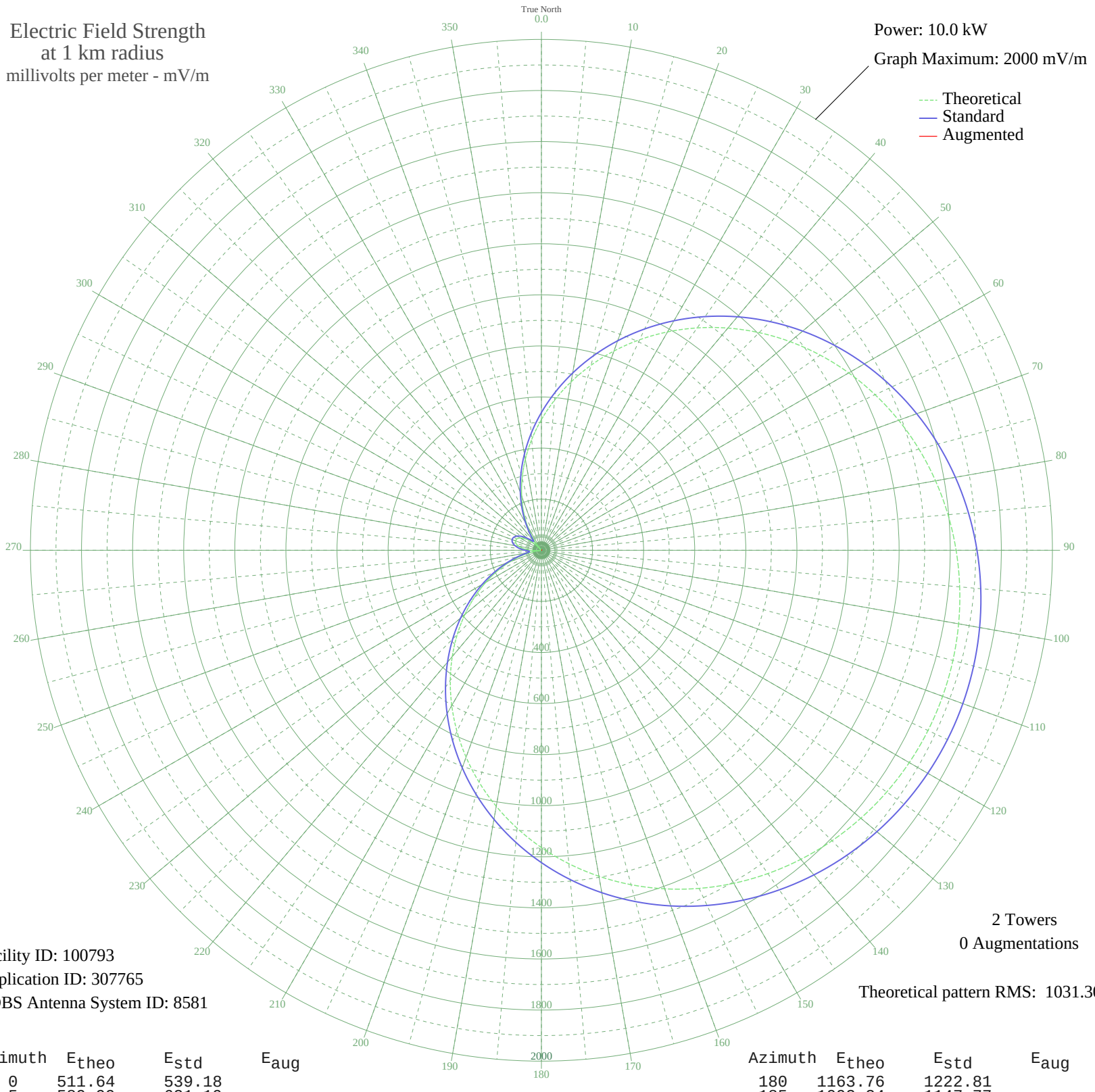
ZYI-205 COLATINA, - Brazil -- 1020 kHz

Nighttime

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



Power: 10.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 100793
Application ID: 307765
CDBS Antenna System ID: 8581

Theoretical pattern RMS: 1031.30

Azimuth	E_{theo}	E_{std}	E_{aug}
0	511.64	539.18	
5	589.99	621.19	
10	669.67	704.66	
15	749.96	788.80	
20	830.11	872.83	
25	909.42	955.99	
30	987.18	1037.56	
35	1062.76	1116.84	
40	1135.55	1193.21	
45	1205.01	1266.09	
50	1270.67	1334.99	
55	1332.11	1399.47	
60	1389.00	1459.18	
65	1441.06	1513.81	
70	1488.07	1563.15	
75	1529.87	1607.02	
80	1566.36	1645.31	
85	1597.44	1677.94	
90	1623.10	1704.87	
95	1643.29	1726.07	
100	1658.03	1741.53	
105	1667.30	1751.27	
110	1671.12	1755.28	
115	1669.48	1753.56	
120	1662.39	1746.12	
125	1649.84	1732.94	
130	1631.83	1714.04	
135	1608.36	1689.40	
140	1579.44	1659.05	
145	1545.11	1623.02	
150	1505.43	1581.36	
155	1460.48	1534.19	
160	1410.42	1481.65	
165	1355.43	1423.95	
170	1295.77	1361.34	
175	1231.75	1294.16	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1163.76	1222.81	
185	1092.24	1147.77	
190	1017.71	1069.58	
195	940.75	988.85	
200	861.98	906.24	
205	782.08	822.47	
210	701.76	738.28	
215	621.74	654.44	
220	542.78	571.76	
225	465.58	491.02	
230	390.89	412.99	
235	319.38	338.48	
240	251.72	268.26	
245	188.50	203.18	
250	130.29	144.30	
255	77.58	93.51	
260	30.81	56.17	
265	9.62	47.01	
270	43.41	64.70	
275	70.30	86.93	
280	90.07	105.13	
285	102.59	117.09	
290	107.76	122.11	
295	105.54	119.95	
300	95.95	110.72	
305	79.07	94.87	
310	55.01	73.79	
315	23.95	52.35	
320	13.86	48.17	
325	58.14	76.38	
330	108.52	122.84	
335	164.58	178.81	
340	225.86	241.56	
345	291.82	309.83	
350	361.87	382.72	
355	435.37	459.44	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission