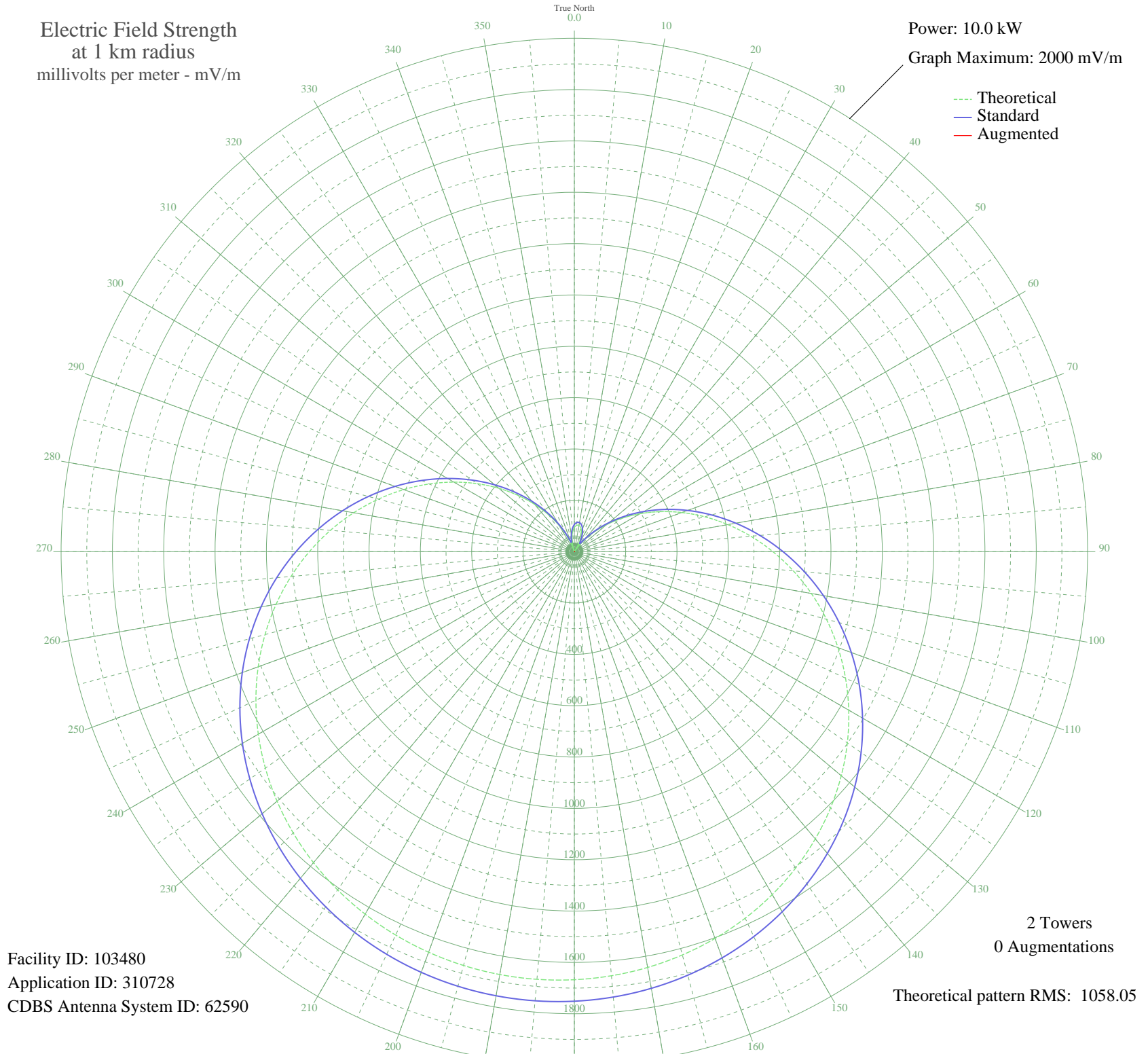


# ZYK203 ESTEIO, - Brazil -- 1300 kHz

Nighttime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 103480  
Application ID: 310728  
CDBS Antenna System ID: 62590

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 1058.05

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	94.25	105.66	
5	102.97	114.28	
10	103.77	115.07	
15	96.63	108.00	
20	81.60	93.34	
25	58.80	71.99	
30	28.39	47.54	
35	9.39	38.32	
40	54.26	67.94	
45	105.82	117.12	
50	163.65	175.78	
55	227.21	241.42	
60	295.89	312.88	
65	369.03	389.25	
70	445.88	469.64	
75	525.64	553.17	
80	607.47	638.92	
85	690.49	725.96	
90	773.82	813.35	
95	856.59	900.18	
100	937.96	985.55	
105	1017.13	1068.62	
110	1093.38	1148.64	
115	1166.07	1224.93	
120	1234.66	1296.92	
125	1298.70	1364.14	
130	1357.85	1426.23	
135	1411.89	1482.95	
140	1460.67	1534.15	
145	1504.15	1579.79	
150	1542.36	1619.90	
155	1575.37	1654.55	
160	1603.31	1683.88	
165	1626.34	1708.06	
170	1644.61	1727.24	
175	1658.27	1741.57	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1667.44	1751.20	
185	1672.22	1756.22	
190	1672.65	1756.67	
195	1668.74	1752.57	
200	1660.46	1743.87	
205	1647.70	1730.49	
210	1630.37	1712.29	
215	1608.30	1689.13	
220	1581.36	1660.84	
225	1549.37	1627.26	
230	1512.21	1588.26	
235	1469.79	1543.73	
240	1422.07	1493.63	
245	1369.08	1438.01	
250	1310.93	1376.97	
255	1247.84	1310.76	
260	1180.13	1239.69	
265	1108.22	1164.22	
270	1032.63	1084.89	
275	953.99	1002.37	
280	873.00	917.40	
285	790.45	830.79	
290	707.16	743.44	
295	624.01	656.25	
300	541.87	570.17	
305	461.63	486.12	
310	384.13	405.03	
315	310.19	327.79	
320	240.55	255.28	
325	175.92	188.39	
330	116.90	128.21	
335	64.05	76.77	
340	17.81	41.48	
345	21.42	43.32	
350	53.32	67.12	
355	77.66	89.56	

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