

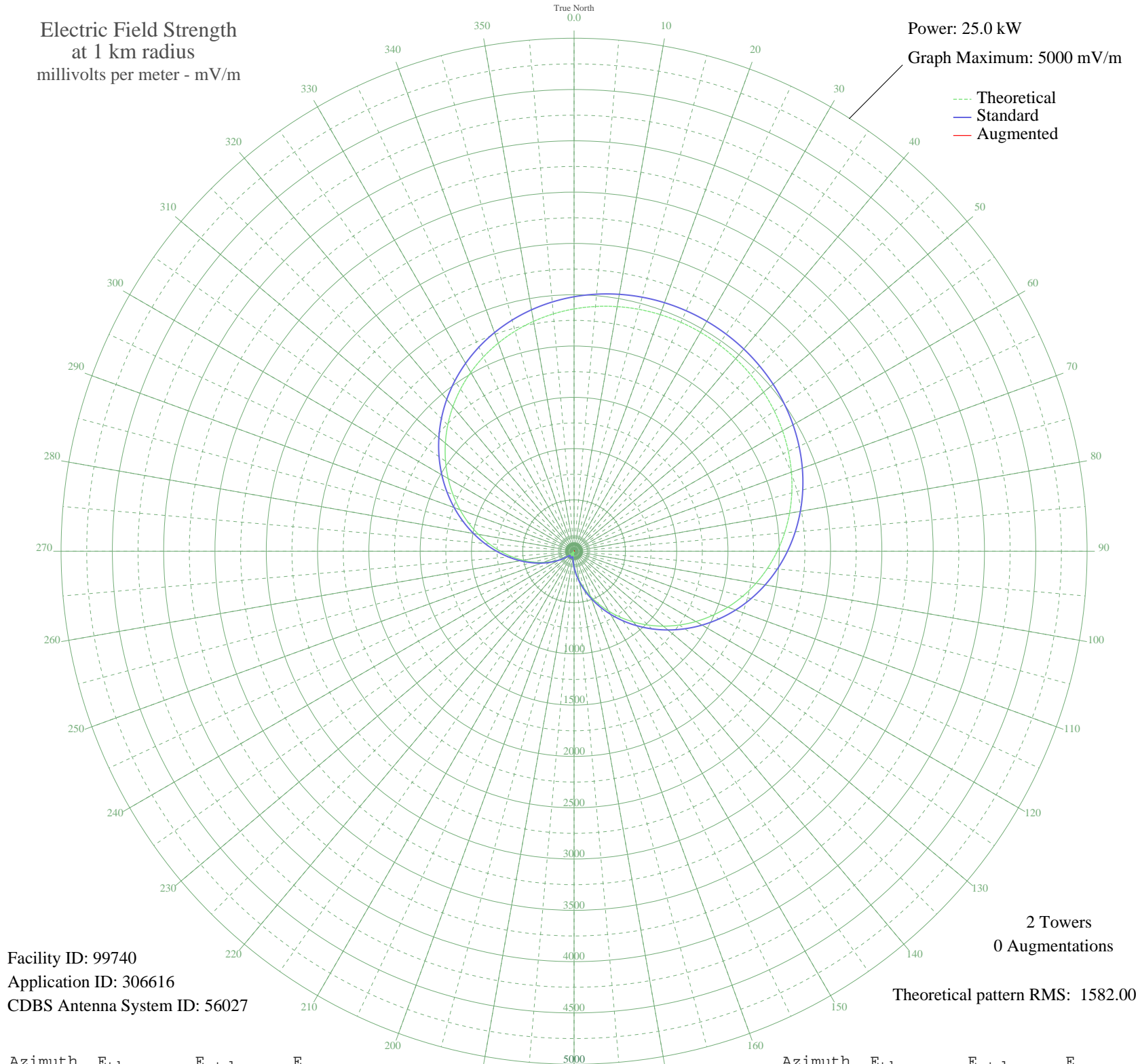
ZYH-709 BRASILIA, - Brazil -- 750 kHz

Nighttime

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

Power: 25.0 kW
Graph Maximum: 5000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 99740
Application ID: 306616
CDBS Antenna System ID: 56027

2 Towers
0 Augmentations

Theoretical pattern RMS: 1582.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	2361.66	2480.32	
5	2394.57	2514.87	
10	2420.86	2542.47	
15	2440.77	2563.36	
20	2454.50	2577.78	
25	2462.21	2585.87	
30	2463.98	2587.73	
35	2459.84	2583.38	
40	2449.74	2572.78	
45	2433.56	2555.80	
50	2411.13	2532.24	
55	2382.22	2501.90	
60	2346.58	2464.49	
65	2303.98	2419.76	
70	2254.17	2367.48	
75	2196.97	2307.43	
80	2132.27	2239.52	
85	2060.05	2163.71	
90	1980.42	2080.13	
95	1893.61	1989.01	
100	1800.01	1890.76	
105	1700.15	1785.95	
110	1594.72	1675.30	
115	1484.56	1559.70	
120	1370.65	1440.17	
125	1254.05	1317.84	
130	1135.95	1193.95	
135	1017.58	1069.79	
140	900.20	946.72	
145	785.08	826.06	
150	673.47	709.15	
155	566.55	597.27	
160	465.46	491.64	
165	371.23	393.43	
170	284.80	303.76	
175	206.98	223.78	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	138.49	154.90	
185	79.95	99.47	
190	31.83	62.96	
195	5.46	53.67	
200	31.64	62.86	
205	46.51	72.33	
210	49.94	74.81	
215	41.93	69.17	
220	22.52	58.36	
225	8.13	54.04	
230	49.80	74.71	
235	102.14	119.79	
240	164.73	181.01	
245	237.02	254.53	
250	318.38	338.53	
255	408.04	431.75	
260	505.13	533.07	
265	608.68	641.34	
270	717.61	755.38	
275	830.78	873.95	
280	946.95	995.73	
285	1064.88	1119.40	
290	1183.30	1243.61	
295	1300.94	1367.03	
300	1416.60	1488.38	
305	1529.13	1606.48	
310	1637.51	1720.21	
315	1740.80	1828.62	
320	1838.23	1930.88	
325	1929.18	2026.34	
330	2013.15	2114.48	
335	2089.84	2194.98	
340	2159.05	2267.63	
345	2220.74	2332.39	
350	2274.97	2389.31	
355	2321.87	2438.55	

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