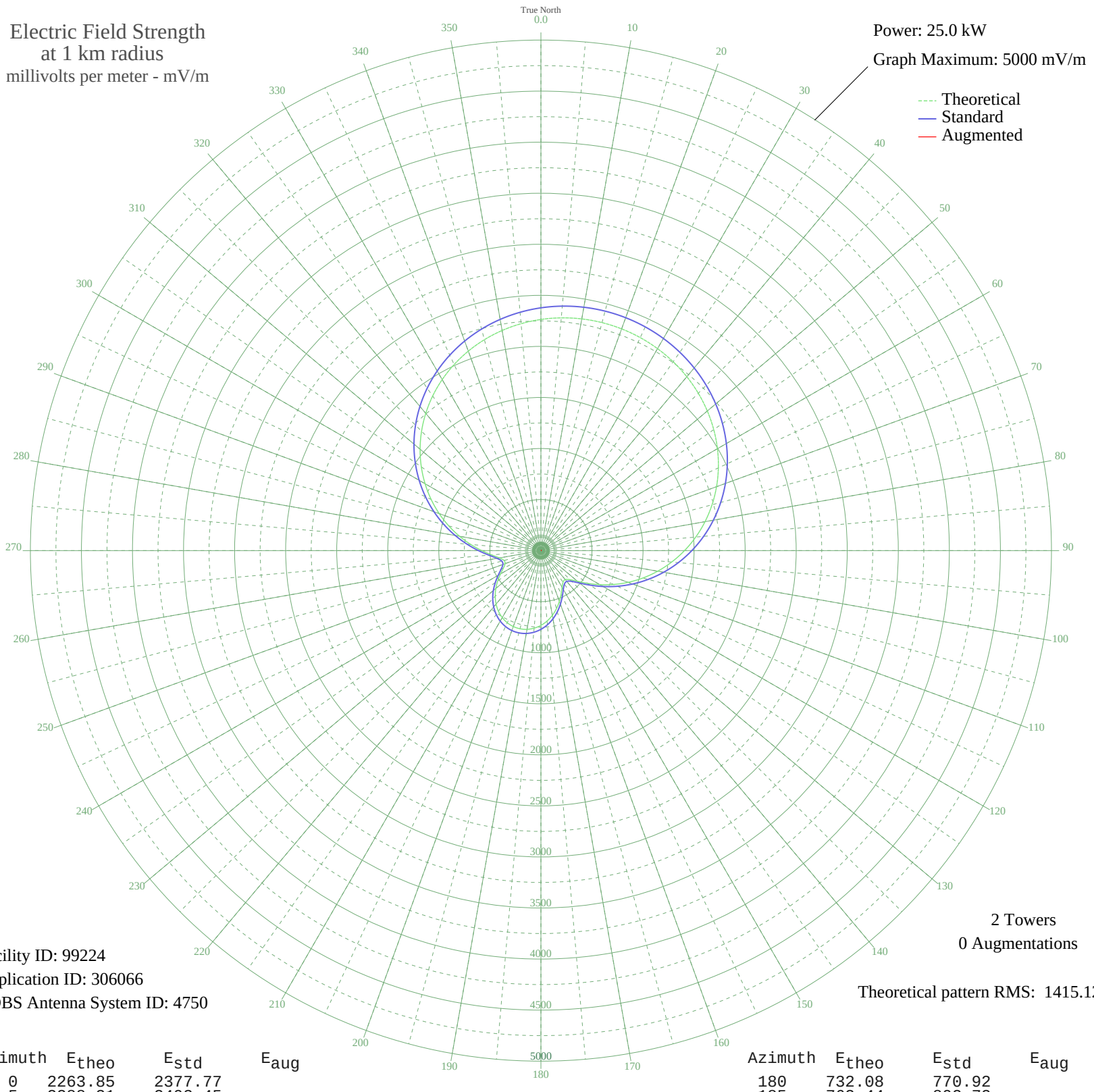
ZYH786 LUZIANIA, - Brazil -- 610 kHz

Daytime

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



Power: 25.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 99224
Application ID: 306066
CDBS Antenna System ID: 4750

Theoretical pattern RMS: 1415.12

Azimuth	E_{theo}	E_{std}	E_{aug}
0	2263.85	2377.77	
5	2288.31	2403.45	
10	2304.29	2420.21	
15	2311.83	2428.14	
20	2311.00	2427.26	
25	2301.77	2417.57	
30	2284.10	2399.03	
35	2257.93	2371.55	
40	2223.15	2335.04	
45	2179.65	2289.39	
50	2127.36	2234.50	
55	2066.23	2170.33	
60	1996.26	2096.89	
65	1917.57	2014.30	
70	1830.37	1922.79	
75	1735.04	1822.74	
80	1632.10	1714.71	
85	1522.24	1599.43	
90	1406.36	1477.85	
95	1285.58	1351.13	
100	1161.24	1220.71	
105	1034.95	1088.28	
110	908.69	955.93	
115	784.90	826.23	
120	666.78	702.58	
125	558.78	589.65	
130	467.37	494.24	
135	401.49	425.64	
140	370.51	393.44	
145	377.35	400.55	
150	414.09	438.74	
155	467.91	494.81	
160	528.22	557.73	
165	588.18	620.38	
170	643.66	678.39	
175	692.15	729.13	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	732.08	770.92	
185	762.44	802.72	
190	782.63	823.86	
195	792.26	833.95	
200	791.19	832.82	
205	779.43	820.50	
210	757.17	797.19	
215	724.83	763.34	
220	683.10	719.65	
225	633.06	667.30	
230	576.44	608.11	
235	516.01	544.99	
240	456.35	482.75	
245	404.97	429.25	
250	373.20	396.24	
255	373.61	396.67	
260	412.13	436.71	
265	483.93	511.51	
270	579.30	611.09	
275	689.76	726.62	
280	809.32	851.81	
285	933.83	982.28	
290	1060.27	1114.84	
295	1186.32	1247.02	
300	1310.07	1376.82	
305	1429.97	1502.61	
310	1544.72	1623.02	
315	1653.26	1736.92	
320	1754.74	1843.41	
325	1848.48	1941.79	
330	1933.99	2031.54	
335	2010.95	2112.32	
340	2079.16	2183.91	
345	2138.53	2246.22	
350	2189.05	2299.26	
355	2230.80	2343.07	

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