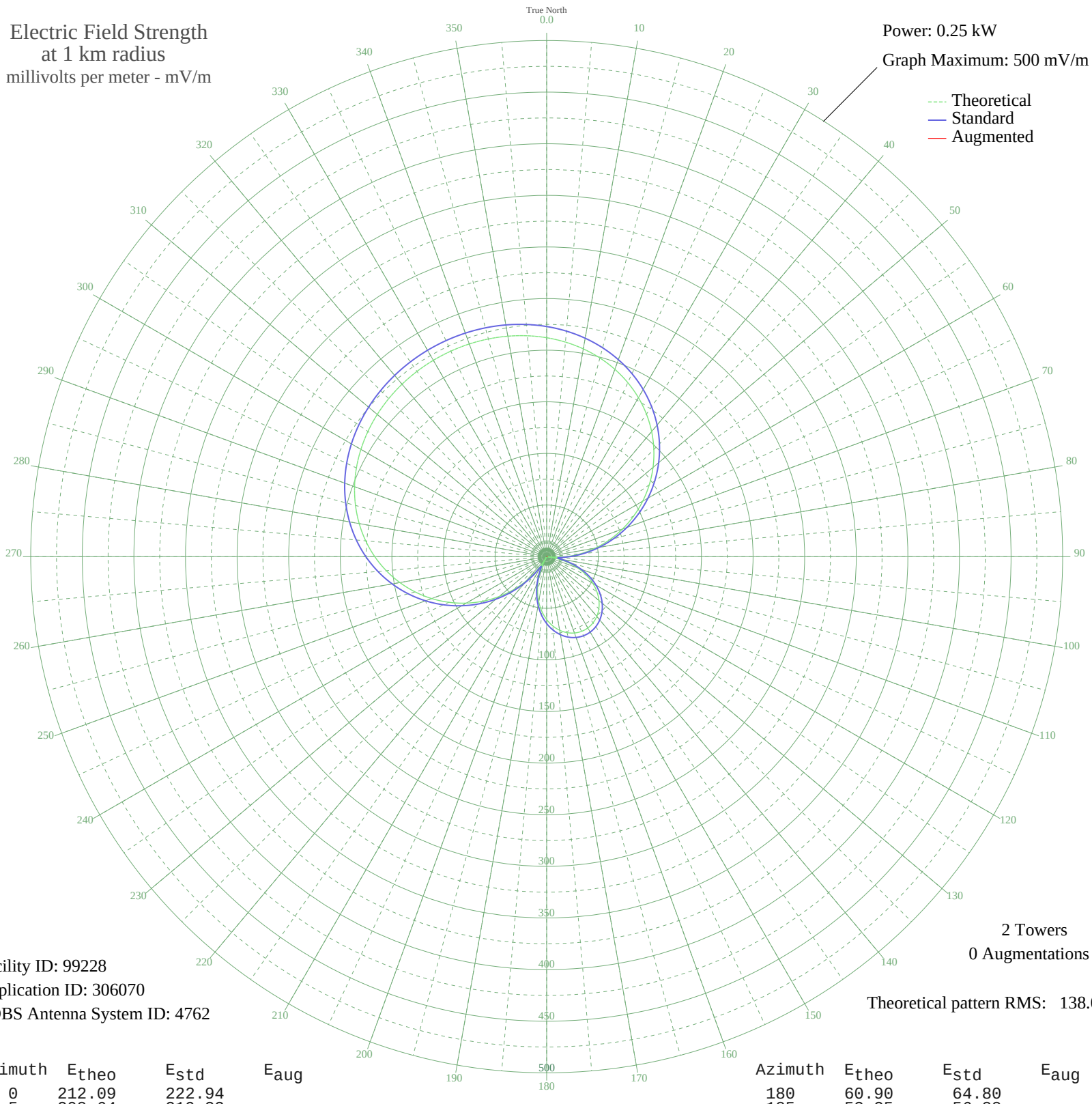
ZYK-726 PIRAJU, - Brazil -- 610 kHz

Nighttime

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



Power: 0.25 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 99228
Application ID: 306070
CDBS Antenna System ID: 4762

Theoretical pattern RMS: 138.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	212.09	222.94	
5	208.64	219.33	
10	204.39	214.87	
15	199.25	209.47	
20	193.14	203.07	
25	186.02	195.60	
30	177.83	187.02	
35	168.56	177.30	
40	158.22	166.47	
45	146.86	154.56	
50	134.53	141.65	
55	121.35	127.85	
60	107.45	113.31	
65	92.98	98.19	
70	78.12	82.69	
75	63.05	67.03	
80	47.99	51.47	
85	33.12	36.33	
90	18.63	22.20	
95	4.71	11.61	
100	8.49	13.78	
105	20.83	24.26	
110	32.18	35.39	
115	42.45	45.80	
120	51.57	55.15	
125	59.47	63.32	
130	66.11	70.20	
135	71.47	75.78	
140	75.54	80.00	
145	78.29	82.88	
150	79.74	84.38	
155	79.87	84.52	
160	78.69	83.29	
165	76.19	80.69	
170	72.39	76.73	
175	67.28	71.42	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	60.90	64.80	
185	53.25	56.88	
190	44.37	47.76	
195	34.33	37.54	
200	23.18	26.51	
205	11.03	15.64	
210	2.00	10.71	
215	15.80	19.63	
220	30.19	33.39	
225	44.99	48.40	
230	60.04	63.91	
235	75.11	79.56	
240	90.03	95.11	
245	104.59	110.32	
250	118.62	125.00	
255	131.96	138.95	
260	144.46	152.05	
265	156.03	164.17	
270	166.58	175.22	
275	176.06	185.16	
280	184.47	193.97	
285	191.80	201.67	
290	198.11	208.28	
295	203.44	213.87	
300	207.86	218.51	
305	211.46	222.28	
310	214.31	225.27	
315	216.49	227.56	
320	218.07	229.22	
325	219.11	230.31	
330	219.64	230.86	
335	219.69	230.91	
340	219.26	230.46	
345	218.32	229.48	
350	216.86	227.94	
355	214.80	225.78	

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