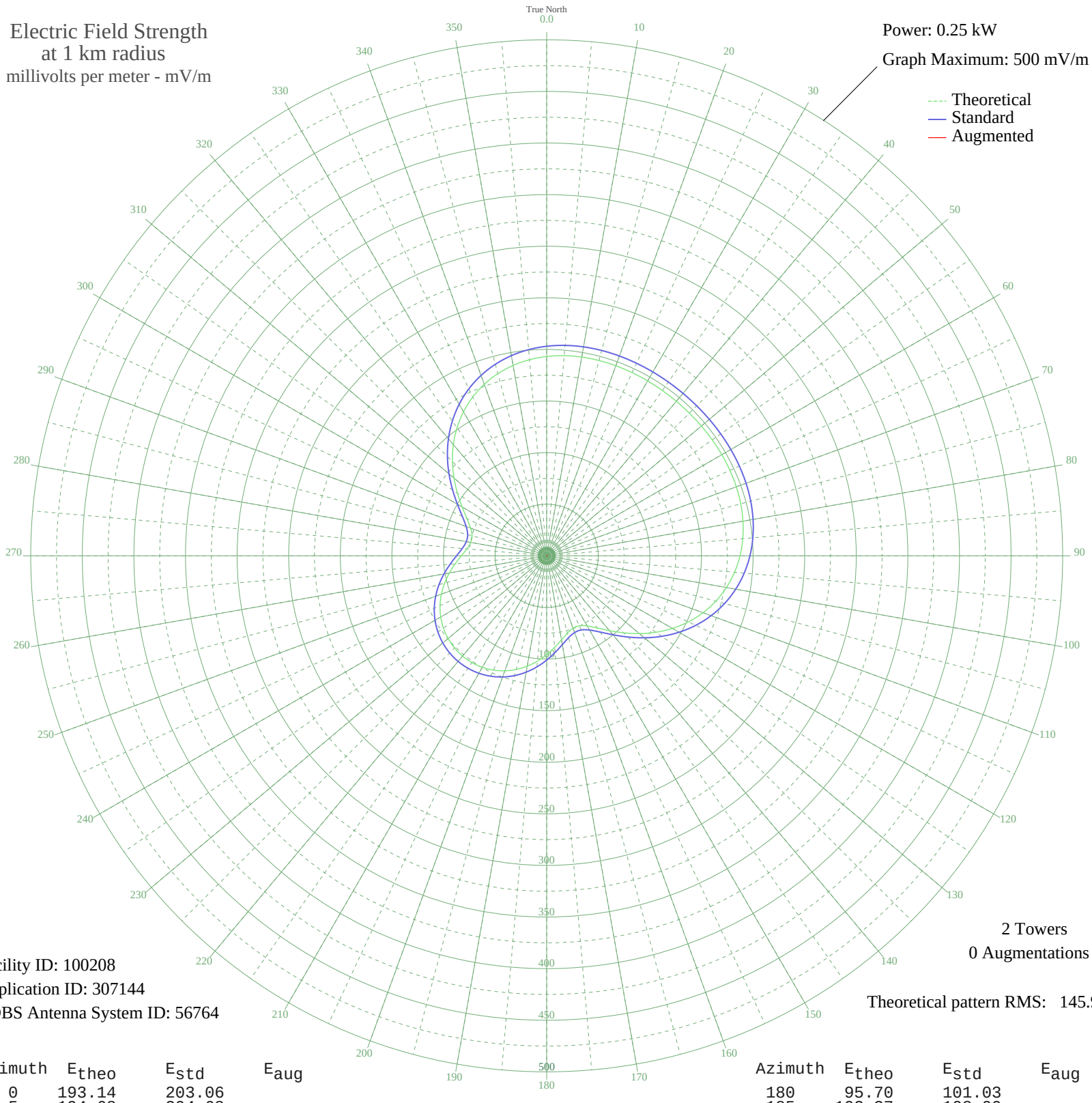
ZYJ-784 S FRANCISC S, - Brazil -- 870 kHz

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: 100208
Application ID: 307144
CDBS Antenna System ID: 56764

Theoretical pattern RMS: 145.93

Azimuth	E_{theo}	E_{std}	E_{aug}
0	193.14	203.06	
5	194.68	204.68	
10	195.55	205.60	
15	195.93	205.99	
20	195.98	206.05	
25	195.85	205.91	
30	195.67	205.72	
35	195.53	205.57	
40	195.47	205.51	
45	195.53	205.57	
50	195.67	205.72	
55	195.85	205.91	
60	195.98	206.05	
65	195.93	205.99	
70	195.55	205.60	
75	194.68	204.68	
80	193.14	203.06	
85	190.74	200.55	
90	187.32	196.96	
95	182.73	192.15	
100	176.87	186.01	
105	169.68	178.48	
110	161.19	169.57	
115	151.46	159.38	
120	140.69	148.10	
125	129.16	136.02	
130	117.25	123.56	
135	105.50	111.27	
140	94.56	99.84	
145	85.26	90.13	
150	78.45	83.04	
155	74.84	79.29	
160	74.68	79.11	
165	77.55	82.10	
170	82.61	87.38	
175	88.92	93.96	
180	95.70	101.03	
185	102.37	108.00	
190	108.55	114.46	
195	113.99	120.15	
200	118.55	124.91	
205	122.14	128.67	
210	124.72	131.38	
215	126.28	133.00	
220	126.79	133.55	
225	126.28	133.00	
230	124.72	131.38	
235	122.14	128.67	
240	118.55	124.91	
245	113.99	120.15	
250	108.55	114.46	
255	102.37	108.00	
260	95.70	101.03	
265	88.92	93.96	
270	82.61	87.38	
275	77.55	82.10	
280	74.68	79.11	
285	74.84	79.29	
290	78.45	83.04	
295	85.26	90.13	
300	94.56	99.84	
305	105.50	111.27	
310	117.25	123.56	
315	129.16	136.02	
320	140.69	148.10	
325	151.46	159.38	
330	161.19	169.57	
335	169.68	178.48	
340	176.87	186.01	
345	182.73	192.15	
350	187.32	196.96	
355	190.74	200.55	

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.

26 Jun 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission