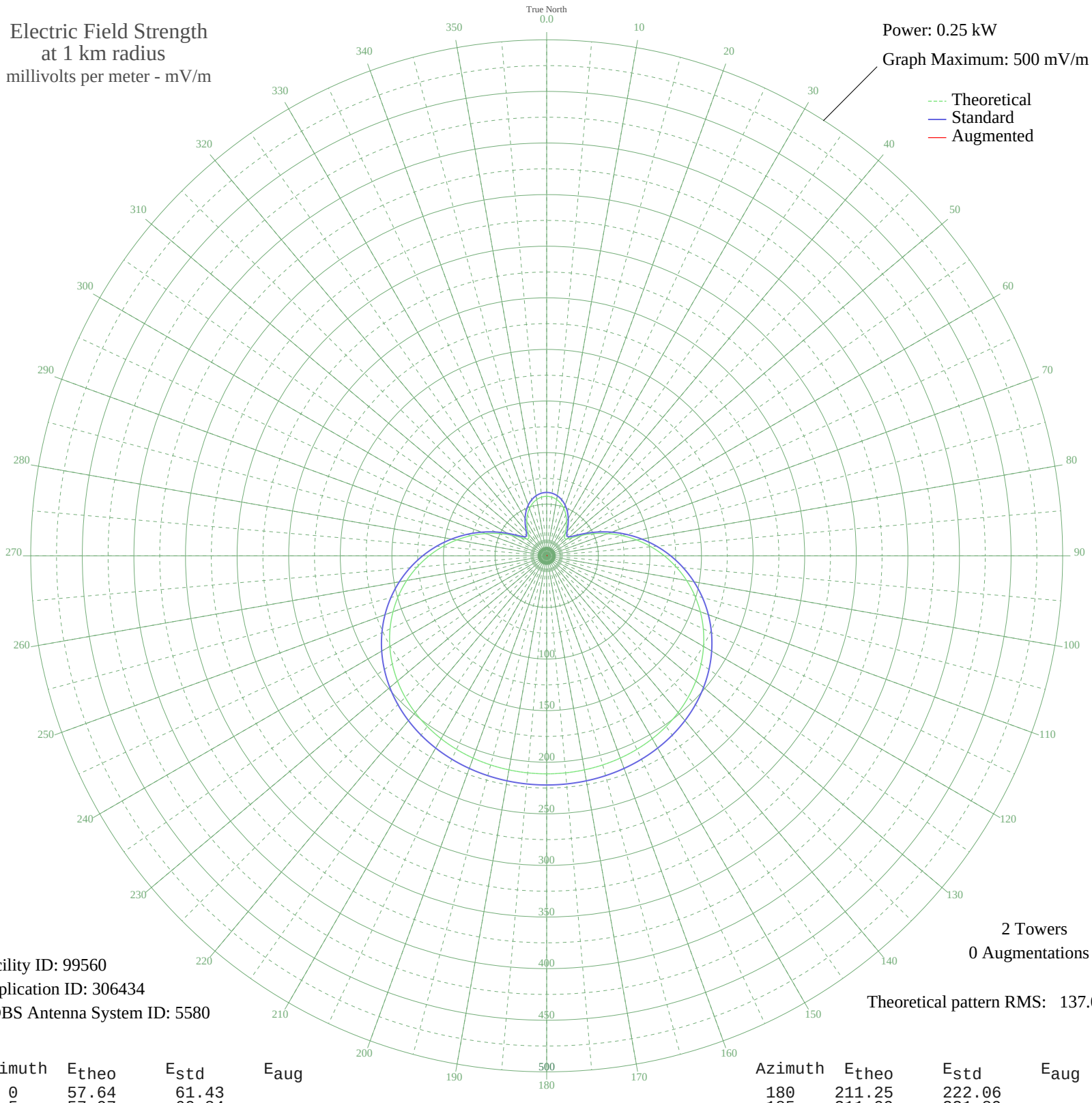
ZYK356 SAO GABRIEL, - Brazil -- 700 kHz

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: 99560
Application ID: 306434
CDBS Antenna System ID: 5580

Theoretical pattern RMS: 137.08

Azimuth	E_{theo}	E_{std}	E_{aug}
0	57.64	61.43	
5	57.07	60.84	
10	55.37	59.08	
15	52.58	56.20	
20	48.75	52.25	
25	43.99	47.37	
30	38.53	41.79	
35	32.75	35.96	
40	27.50	30.73	
45	24.38	27.67	
50	25.42	28.68	
55	31.10	34.30	
60	40.08	43.38	
65	51.00	54.57	
70	63.02	67.00	
75	75.64	80.12	
80	88.52	93.54	
85	101.38	106.96	
90	113.99	120.15	
95	126.15	132.88	
100	137.70	144.97	
105	148.51	156.29	
110	158.46	166.71	
115	167.48	176.17	
120	175.53	184.61	
125	182.61	192.03	
130	188.72	198.43	
135	193.91	203.88	
140	198.24	208.42	
145	201.79	212.14	
150	204.64	215.12	
155	206.86	217.46	
160	208.55	219.23	
165	209.78	220.52	
170	210.61	221.39	
175	211.09	221.89	
180	211.25	222.06	
185	211.09	221.89	
190	210.61	221.39	
195	209.78	220.52	
200	208.55	219.23	
205	206.86	217.46	
210	204.64	215.12	
215	201.79	212.14	
220	198.24	208.42	
225	193.91	203.88	
230	188.72	198.43	
235	182.61	192.03	
240	175.53	184.61	
245	167.48	176.17	
250	158.46	166.71	
255	148.51	156.29	
260	137.70	144.97	
265	126.15	132.88	
270	113.99	120.15	
275	101.38	106.96	
280	88.52	93.54	
285	75.64	80.12	
290	63.02	67.00	
295	51.00	54.57	
300	40.08	43.38	
305	31.10	34.30	
310	25.42	28.68	
315	24.38	27.67	
320	27.50	30.73	
325	32.75	35.96	
330	38.53	41.79	
335	43.99	47.37	
340	48.75	52.25	
345	52.58	56.20	
350	55.37	59.08	
355	57.07	60.84	

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