

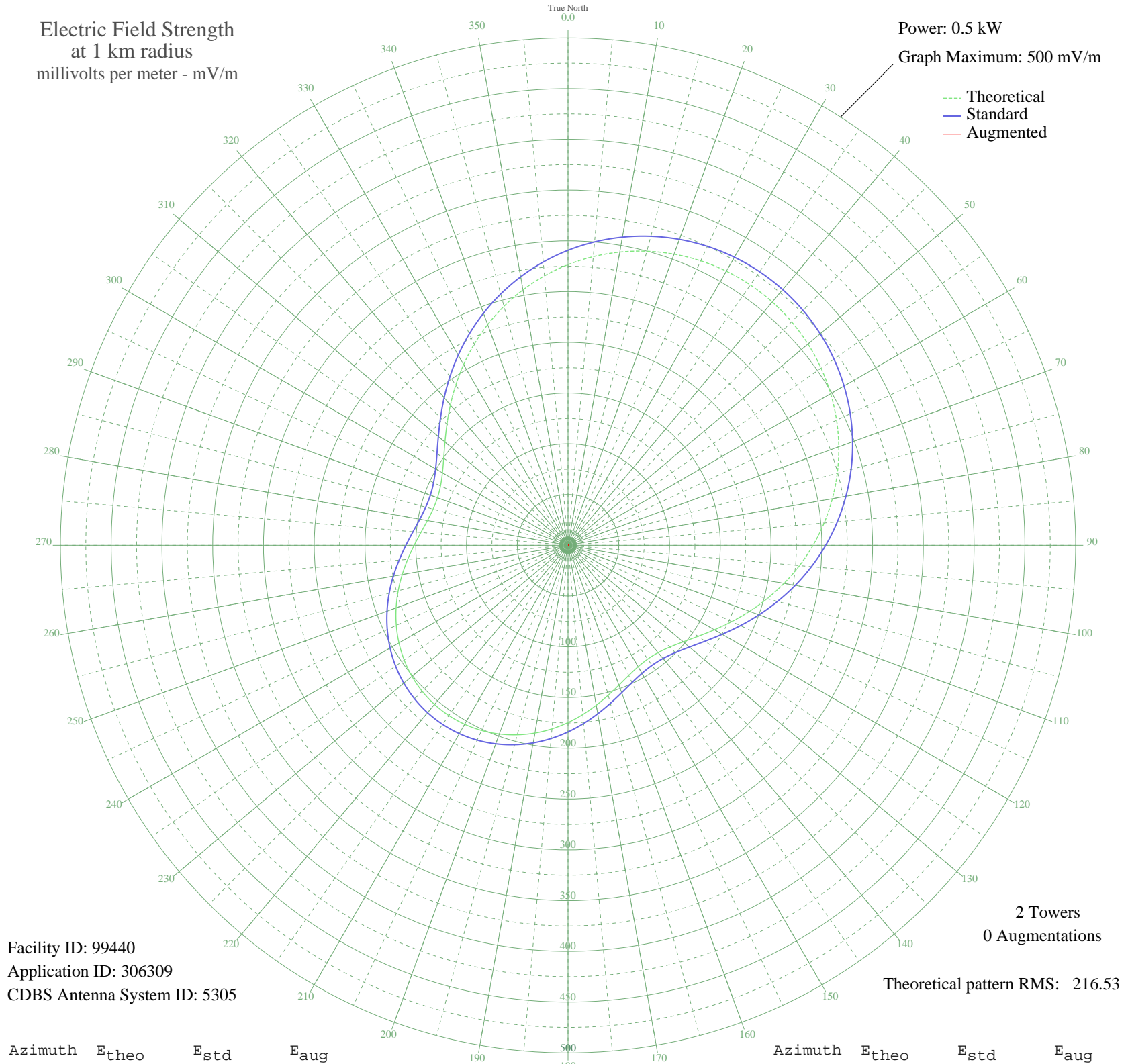
ZYK-574 CARAGUATATUB, - Brazil -- 670 kHz

Nighttime

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

Power: 0.5 kW
Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 99440
Application ID: 306309
CDBS Antenna System ID: 5305

2 Towers
0 Augmentations
Theoretical pattern RMS: 216.53

Azimuth	E _{theo}	E _{std}	E _{aug}
0	276.53	290.68	
5	285.51	300.09	
10	293.33	308.30	
15	299.94	315.23	
20	305.26	320.81	
25	309.26	325.00	
30	311.89	327.76	
35	313.14	329.08	
40	313.00	328.93	
45	311.47	327.33	
50	308.56	324.28	
55	304.30	319.81	
60	298.72	313.95	
65	291.86	306.76	
70	283.80	298.30	
75	274.61	288.66	
80	264.39	277.94	
85	253.26	266.27	
90	241.37	253.80	
95	228.89	240.72	
100	216.04	227.24	
105	203.05	213.64	
110	190.23	200.20	
115	177.91	187.30	
120	166.48	175.33	
125	156.37	164.75	
130	148.00	156.00	
135	141.79	149.50	
140	138.02	145.56	
145	136.81	144.29	
150	138.06	145.60	
155	141.46	149.15	
160	146.57	154.50	
165	152.91	161.13	
170	159.98	168.52	
175	167.34	176.23	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	174.64	183.87	
185	181.56	191.12	
190	187.85	197.71	
195	193.34	203.46	
200	197.86	208.20	
205	201.31	211.81	
210	203.61	214.22	
215	204.71	215.38	
220	204.59	215.25	
225	203.25	213.84	
230	200.71	211.19	
235	197.04	207.34	
240	192.31	202.39	
245	186.65	196.46	
250	180.21	189.71	
255	173.20	182.37	
260	165.86	174.69	
265	158.53	167.01	
270	151.57	159.73	
275	145.44	153.31	
280	140.63	148.28	
285	137.63	145.14	
290	136.85	144.33	
295	138.57	146.13	
300	142.85	150.60	
305	149.52	157.58	
310	158.26	166.73	
315	168.68	177.63	
320	180.32	189.82	
325	192.77	202.86	
330	205.65	216.35	
335	218.63	229.96	
340	231.42	243.37	
345	243.80	256.35	
350	255.55	268.67	
355	266.51	280.17	

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

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Federal Communications Commission