

# ZYI-680 CONCEICAO, - Brazil -- 710 kHz

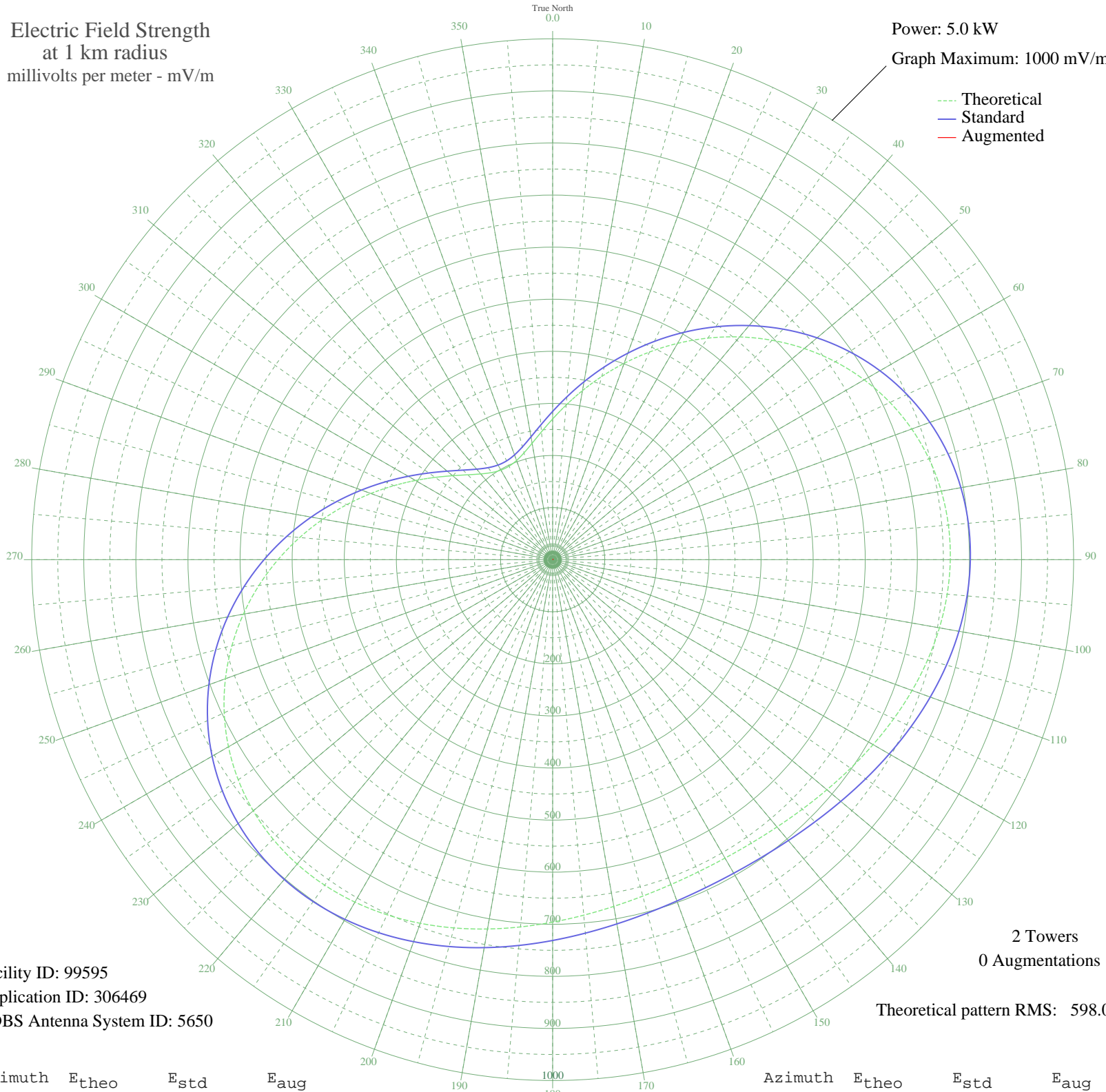
Daytime

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

Power: 5.0 kW

Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 99595  
Application ID: 306469  
CDBS Antenna System ID: 5650

2 Towers  
0 Augmentations

Theoretical pattern RMS: 598.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	270.14	284.62	
5	298.04	313.82	
10	329.54	346.82	
15	364.12	383.05	
20	401.13	421.84	
25	439.85	462.44	
30	479.50	504.02	
35	519.25	545.72	
40	558.25	586.63	
45	595.64	625.87	
50	630.63	662.58	
55	662.47	695.99	
60	690.54	725.45	
65	714.34	750.42	
70	733.52	770.56	
75	747.92	785.67	
80	757.54	795.76	
85	762.54	801.01	
90	763.27	801.77	
95	760.18	798.54	
100	753.87	791.92	
105	745.00	782.60	
110	734.28	771.35	
115	722.44	758.92	
120	710.20	746.08	
125	698.25	733.54	
130	687.22	721.96	
135	677.64	711.91	
140	669.97	703.86	
145	664.57	698.19	
150	661.67	695.15	
155	661.40	694.87	
160	663.78	697.36	
165	668.70	702.53	
170	675.94	710.12	
175	685.17	719.81	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	695.95	731.13	
185	707.77	743.53	
190	720.00	756.36	
195	731.98	768.93	
200	742.98	780.48	
205	752.28	790.25	
210	759.16	797.46	
215	762.94	801.43	
220	763.01	801.51	
225	758.90	797.19	
230	750.22	788.08	
235	736.79	773.98	
240	718.55	754.85	
245	695.66	730.82	
250	668.41	702.22	
255	637.27	669.55	
260	602.86	633.44	
265	565.88	594.64	
270	527.14	553.99	
275	487.47	512.38	
280	447.73	470.70	
285	408.76	429.84	
290	371.35	390.62	
295	336.23	353.83	
300	304.07	320.13	
305	275.41	290.13	
310	250.75	264.33	
315	230.46	243.12	
320	214.86	226.83	
325	204.17	215.66	
330	198.53	209.77	
335	198.01	209.24	
340	202.63	214.06	
345	212.33	224.18	
350	226.96	239.46	
355	246.33	259.71	

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