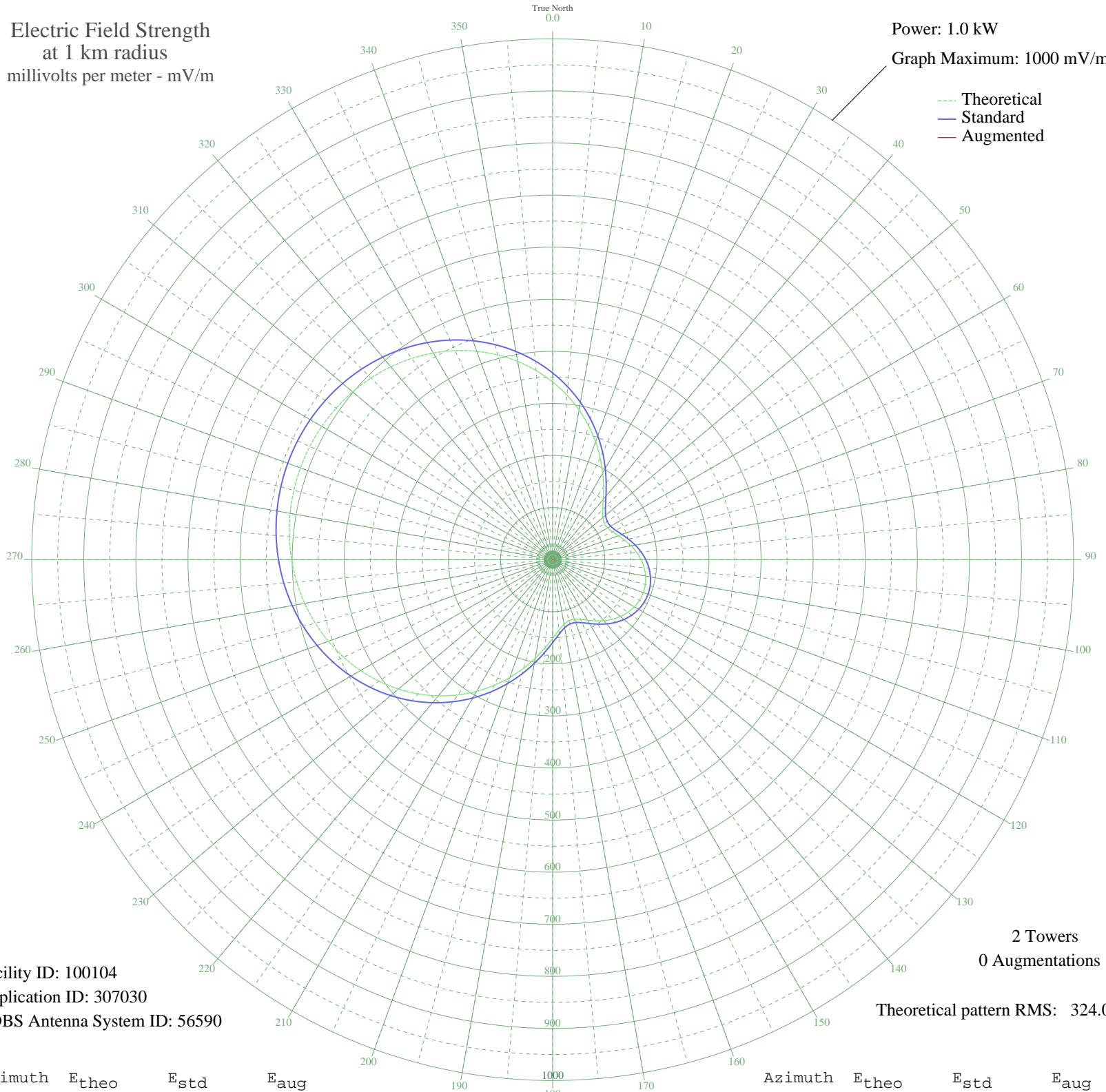


# ZYJ-750 CONCORDIA, - Brazil -- 840 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 100104  
Application ID: 307030  
CDBS Antenna System ID: 56590

2 Towers  
0 Augmentations

Theoretical pattern RMS: 324.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	341.18	358.47	
5	316.86	332.95	
10	291.77	306.63	
15	266.25	279.86	
20	240.75	253.12	
25	215.78	226.94	
30	191.98	201.99	
35	170.11	179.08	
40	151.11	159.18	
45	136.03	143.41	
50	125.86	132.78	
55	121.18	127.89	
60	121.76	128.49	
65	126.59	133.54	
70	134.24	141.54	
75	143.35	151.07	
80	152.81	160.97	
85	161.80	170.38	
90	169.74	178.70	
95	176.25	185.51	
100	181.07	190.56	
105	184.01	193.65	
110	185.01	194.69	
115	184.01	193.65	
120	181.07	190.56	
125	176.25	185.51	
130	169.74	178.70	
135	161.80	170.38	
140	152.81	160.97	
145	143.35	151.07	
150	134.24	141.54	
155	126.59	133.54	
160	121.76	128.49	
165	121.18	127.89	
170	125.86	132.78	
175	136.03	143.41	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	151.11	159.18	
185	170.11	179.08	
190	191.98	201.99	
195	215.78	226.94	
200	240.75	253.12	
205	266.25	279.86	
210	291.77	306.63	
215	316.86	332.95	
220	341.18	358.47	
225	364.44	382.88	
230	386.40	405.93	
235	406.87	427.41	
240	425.72	447.19	
245	442.84	465.16	
250	458.16	481.24	
255	471.66	495.41	
260	483.31	507.63	
265	493.11	517.93	
270	501.10	526.31	
275	507.27	532.79	
280	511.66	537.40	
285	514.29	540.16	
290	515.17	541.08	
295	514.29	540.16	
300	511.66	537.40	
305	507.27	532.79	
310	501.10	526.31	
315	493.11	517.93	
320	483.31	507.63	
325	471.66	495.41	
330	458.16	481.24	
335	442.84	465.16	
340	425.72	447.19	
345	406.87	427.41	
350	386.40	405.93	
355	364.44	382.88	

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.

15 Mar 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission