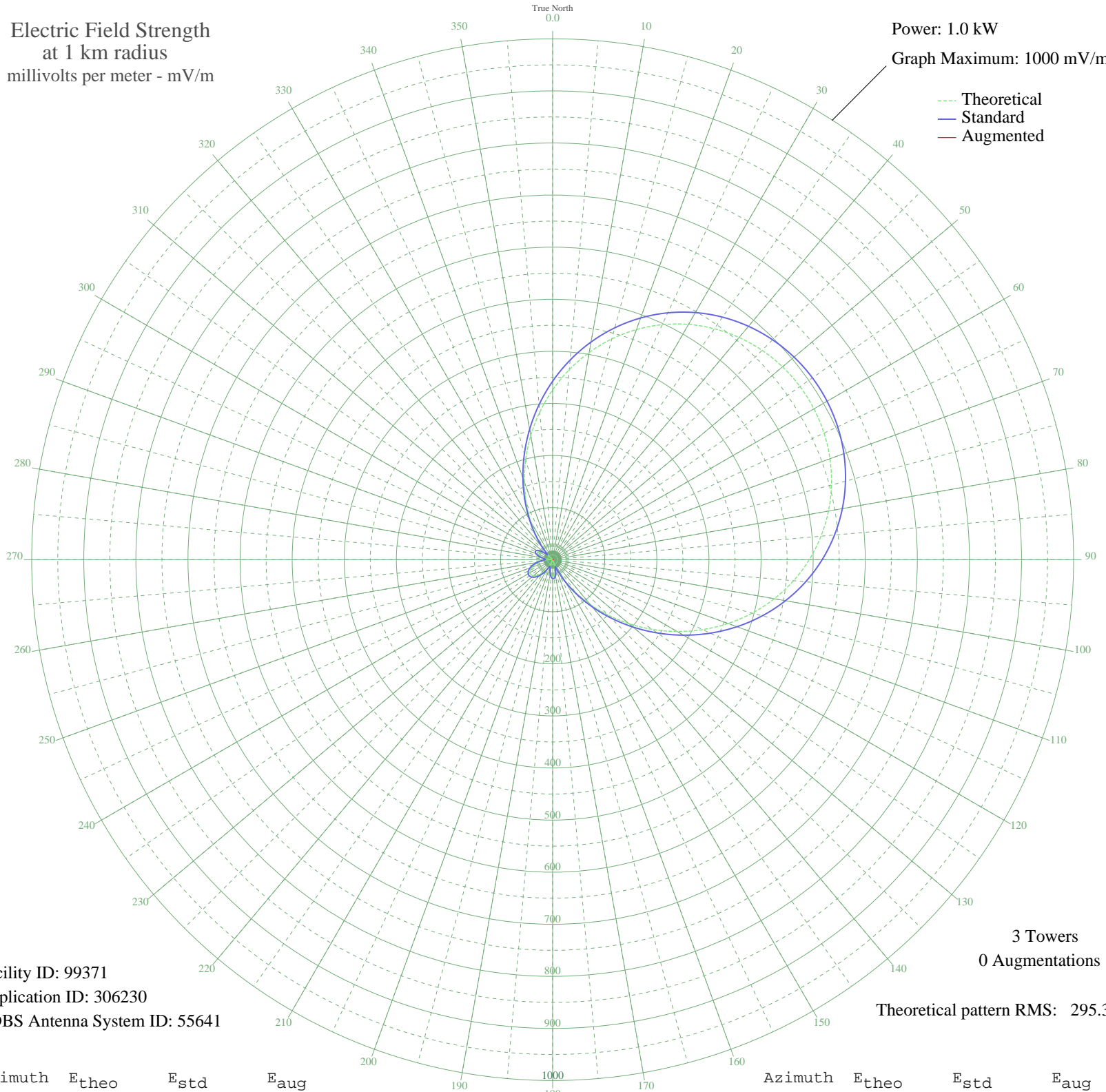


**- S ISABEL, - Brazil -- 650 kHz**  
Daytime

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: 99371  
Application ID: 306230  
CDBS Antenna System ID: 55641

3 Towers  
0 Augmentations

Theoretical pattern RMS: 295.31

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	326.03	342.59	
5	366.15	384.69	
10	403.92	424.32	
15	438.73	460.86	
20	470.13	493.82	
25	497.80	522.85	
30	521.53	547.77	
35	541.23	568.44	
40	556.86	584.85	
45	568.44	597.01	
50	576.00	604.95	
55	579.57	608.70	
60	579.18	608.28	
65	574.81	603.70	
70	566.45	594.92	
75	554.06	581.91	
80	537.61	564.65	
85	517.10	543.12	
90	492.57	517.37	
95	464.14	487.53	
100	432.03	453.83	
105	396.59	416.63	
110	358.29	376.44	
115	317.79	333.94	
120	275.83	289.93	
125	233.31	245.34	
130	191.20	201.20	
135	150.50	158.58	
140	112.21	118.57	
145	77.25	82.20	
150	46.42	50.52	
155	20.33	25.16	
160	0.58	13.32	
165	16.16	21.56	
170	26.44	30.79	
175	31.71	35.85	

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

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	32.43	36.56	
185	29.25	33.47	
190	22.90	27.49	
195	14.21	20.00	
200	4.01	13.96	
205	6.88	15.14	
210	17.69	22.85	
215	27.74	32.03	
220	36.45	40.52	
225	43.33	47.40	
230	48.02	52.15	
235	50.30	54.47	
240	50.05	54.21	
245	47.27	51.39	
250	42.12	46.18	
255	34.84	38.93	
260	25.82	30.20	
265	15.57	21.08	
270	4.68	14.19	
275	6.13	14.79	
280	16.10	21.51	
285	24.39	28.86	
290	30.16	34.35	
295	32.62	36.75	
300	31.03	35.20	
305	24.80	29.24	
310	13.47	19.42	
315	3.17	13.72	
320	25.15	29.57	
325	52.22	56.42	
330	83.93	89.13	
335	119.63	126.31	
340	158.48	166.93	
345	199.54	209.94	
350	241.81	254.25	
355	284.30	298.81	