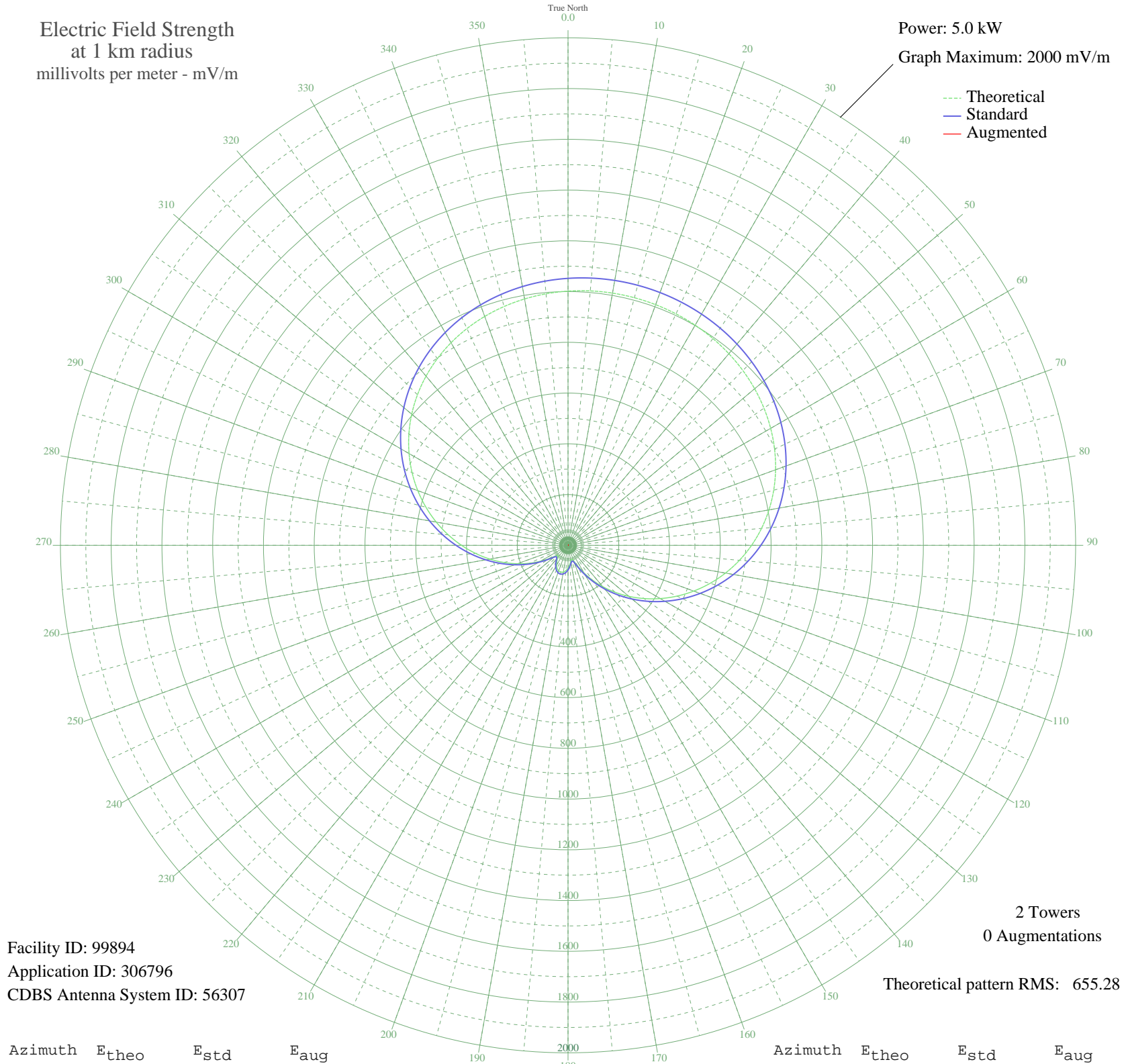


# ZYJ337 MANDIRITUBA, - Brazil -- 790 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 99894  
Application ID: 306796  
CDBS Antenna System ID: 56307

2 Towers  
0 Augmentations

Theoretical pattern RMS: 655.28

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1001.74	1052.09	
5	1006.47	1057.05	
10	1009.24	1059.97	
15	1010.16	1060.93	
20	1009.24	1059.97	
25	1006.47	1057.05	
30	1001.74	1052.09	
35	994.91	1044.92	
40	985.81	1035.36	
45	974.20	1023.18	
50	959.84	1008.10	
55	942.48	989.89	
60	921.90	968.28	
65	897.88	943.06	
70	870.26	914.08	
75	838.96	881.22	
80	803.96	844.49	
85	765.34	803.95	
90	723.26	759.78	
95	677.99	712.27	
100	629.90	661.81	
105	579.45	608.88	
110	527.18	554.04	
115	473.70	497.93	
120	419.65	441.26	
125	365.75	384.76	
130	312.72	329.19	
135	261.31	275.37	
140	212.30	224.15	
145	166.60	176.50	
150	125.37	133.72	
155	90.49	97.88	
160	65.68	72.85	
165	56.57	63.87	
170	63.05	70.24	
175	76.35	83.54	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	89.75	97.12	
185	100.37	107.97	
190	107.05	114.83	
195	109.32	117.16	
200	107.05	114.83	
205	100.37	107.97	
210	89.75	97.12	
215	76.35	83.54	
220	63.05	70.24	
225	56.57	63.87	
230	65.68	72.85	
235	90.49	97.88	
240	125.37	133.72	
245	166.60	176.50	
250	212.30	224.15	
255	261.31	275.37	
260	312.72	329.19	
265	365.75	384.76	
270	419.65	441.26	
275	473.70	497.93	
280	527.18	554.04	
285	579.45	608.88	
290	629.90	661.81	
295	677.99	712.27	
300	723.26	759.78	
305	765.34	803.95	
310	803.96	844.49	
315	838.96	881.22	
320	870.26	914.08	
325	897.88	943.06	
330	921.90	968.28	
335	942.48	989.89	
340	959.84	1008.10	
345	974.20	1023.18	
350	985.81	1035.36	
355	994.91	1044.92	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission