

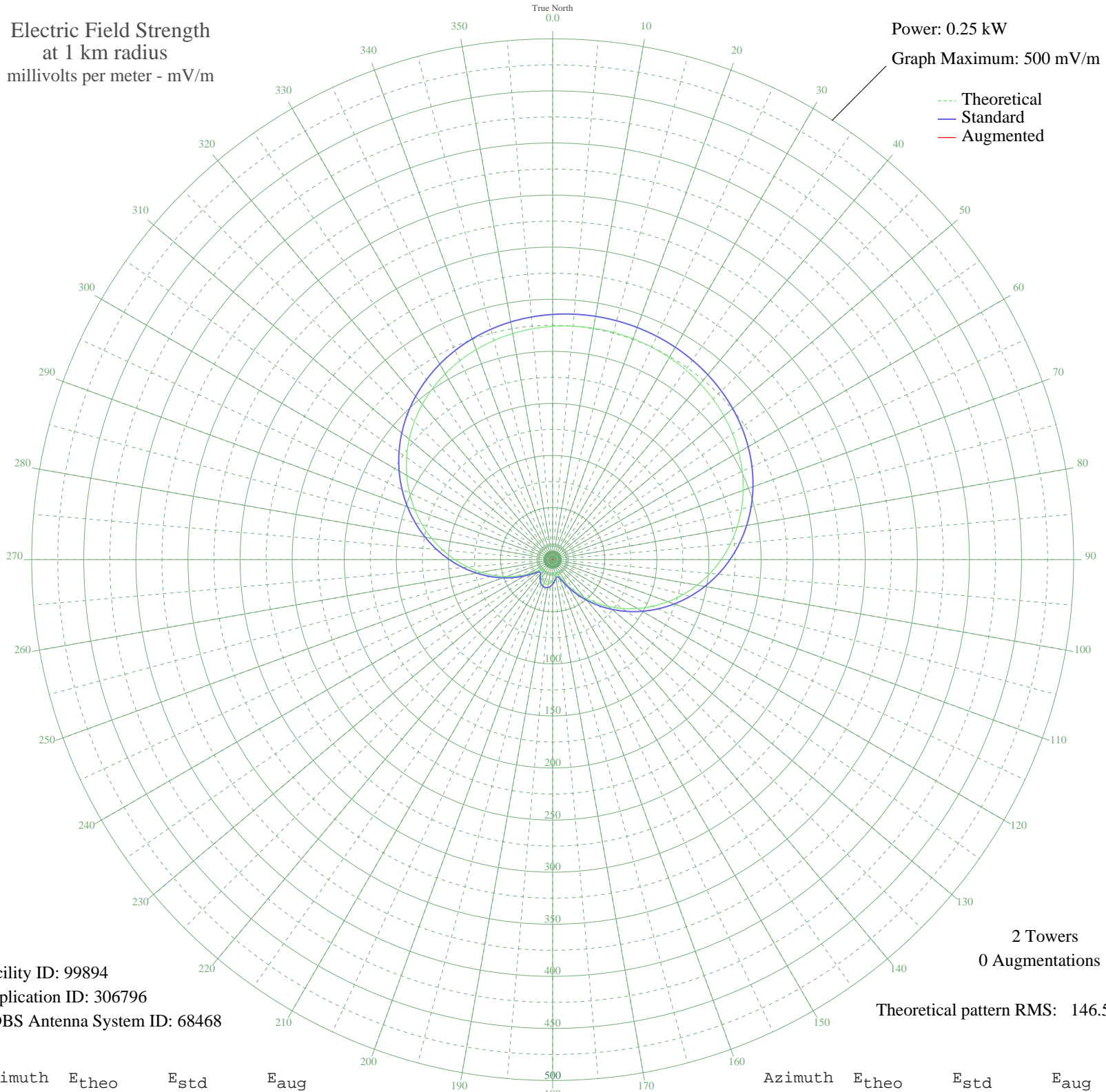
# ZYJ337 MANDIRITUBA, - Brazil -- 790 kHz

Nighttime

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 99894  
Application ID: 306796  
CDBS Antenna System ID: 68468

2 Towers  
0 Augmentations

Theoretical pattern RMS: 146.52

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	223.99	235.42	
5	225.04	236.53	
10	225.67	237.18	
15	225.87	237.40	
20	225.67	237.18	
25	225.04	236.53	
30	223.99	235.42	
35	222.46	233.82	
40	220.43	231.69	
45	217.83	228.96	
50	214.62	225.59	
55	210.74	221.52	
60	206.14	216.70	
65	200.76	211.06	
70	194.59	204.59	
75	187.59	197.25	
80	179.77	189.05	
85	171.13	179.99	
90	161.72	170.13	
95	151.60	159.52	
100	140.85	148.26	
105	129.57	136.45	
110	117.88	124.22	
115	105.92	111.71	
120	93.83	99.08	
125	81.78	86.51	
130	69.92	74.17	
135	58.43	62.24	
140	47.47	50.94	
145	37.25	40.50	
150	28.03	31.25	
155	20.23	23.70	
160	14.69	18.66	
165	12.65	16.93	
170	14.10	18.15	
175	17.07	20.77	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	20.07	23.54	
185	22.44	25.80	
190	23.94	27.24	
195	24.44	27.73	
200	23.94	27.24	
205	22.44	25.80	
210	20.07	23.54	
215	17.07	20.77	
220	14.10	18.15	
225	12.65	16.93	
230	14.69	18.66	
235	20.23	23.70	
240	28.03	31.25	
245	37.25	40.50	
250	47.47	50.94	
255	58.43	62.24	
260	69.92	74.17	
265	81.78	86.51	
270	93.83	99.08	
275	105.92	111.71	
280	117.88	124.22	
285	129.57	136.45	
290	140.85	148.26	
295	151.60	159.52	
300	161.72	170.13	
305	171.13	179.99	
310	179.77	189.05	
315	187.59	197.25	
320	194.59	204.59	
325	200.76	211.06	
330	206.14	216.70	
335	210.74	221.52	
340	214.62	225.59	
345	217.83	228.96	
350	220.43	231.69	
355	222.46	233.82	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission