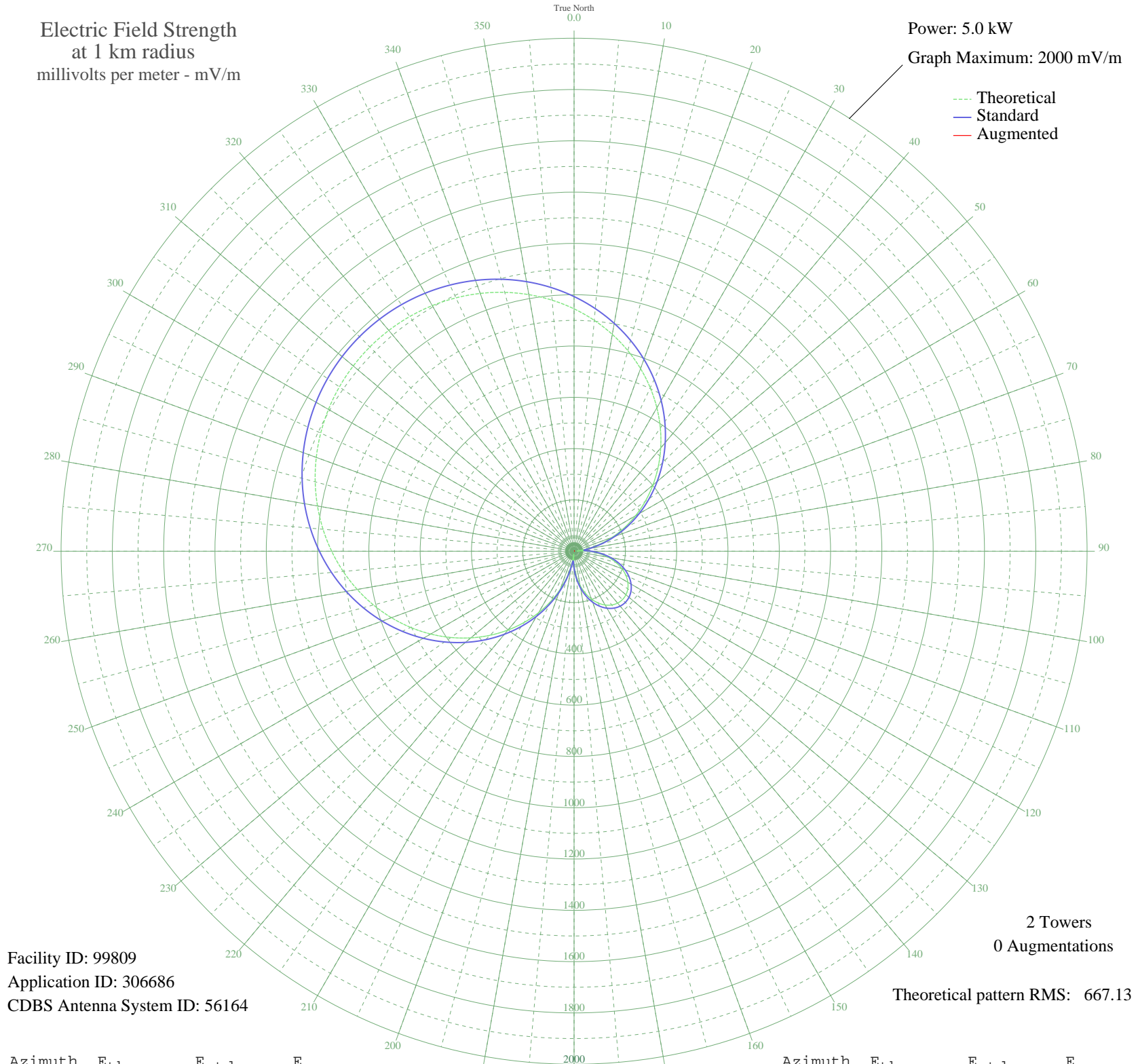


# ZYI-412 DOURADOS, - Brazil -- 770 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 99809  
Application ID: 306686  
CDBS Antenna System ID: 56164

2 Towers  
0 Augmentations

Theoretical pattern RMS: 667.13

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	945.00	992.89	
5	903.56	949.41	
10	858.36	901.98	
15	809.65	850.87	
20	757.71	796.39	
25	702.91	738.92	
30	645.64	678.85	
35	586.33	616.67	
40	525.46	552.88	
45	463.54	488.01	
50	401.10	422.65	
55	338.70	357.41	
60	276.90	292.91	
65	216.26	229.84	
70	157.33	168.98	
75	100.71	111.56	
80	47.15	60.96	
85	10.64	37.27	
90	52.90	65.95	
95	95.82	106.71	
100	134.68	145.82	
105	168.98	180.96	
110	198.43	211.37	
115	222.82	236.64	
120	241.95	256.53	
125	255.72	270.85	
130	264.01	279.48	
135	266.78	282.37	
140	264.01	279.48	
145	255.72	270.85	
150	241.95	256.53	
155	222.82	236.64	
160	198.43	211.37	
165	168.98	180.96	
170	134.68	145.82	
175	95.82	106.71	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	52.90	65.95	
185	10.64	37.27	
190	47.15	60.96	
195	100.71	111.56	
200	157.33	168.98	
205	216.26	229.84	
210	276.90	292.91	
215	338.70	357.41	
220	401.10	422.65	
225	463.54	488.01	
230	525.46	552.88	
235	586.33	616.67	
240	645.64	678.85	
245	702.91	738.92	
250	757.71	796.39	
255	809.65	850.87	
260	858.36	901.98	
265	903.56	949.41	
270	945.00	992.89	
275	982.46	1032.20	
280	1015.79	1067.17	
285	1044.86	1097.68	
290	1069.56	1123.61	
295	1089.85	1144.89	
300	1105.66	1161.49	
305	1116.97	1173.36	
310	1123.77	1180.49	
315	1126.03	1182.87	
320	1123.77	1180.49	
325	1116.97	1173.36	
330	1105.66	1161.49	
335	1089.85	1144.89	
340	1069.56	1123.61	
345	1044.86	1097.68	
350	1015.79	1067.17	
355	982.46	1032.20	

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.

26 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission