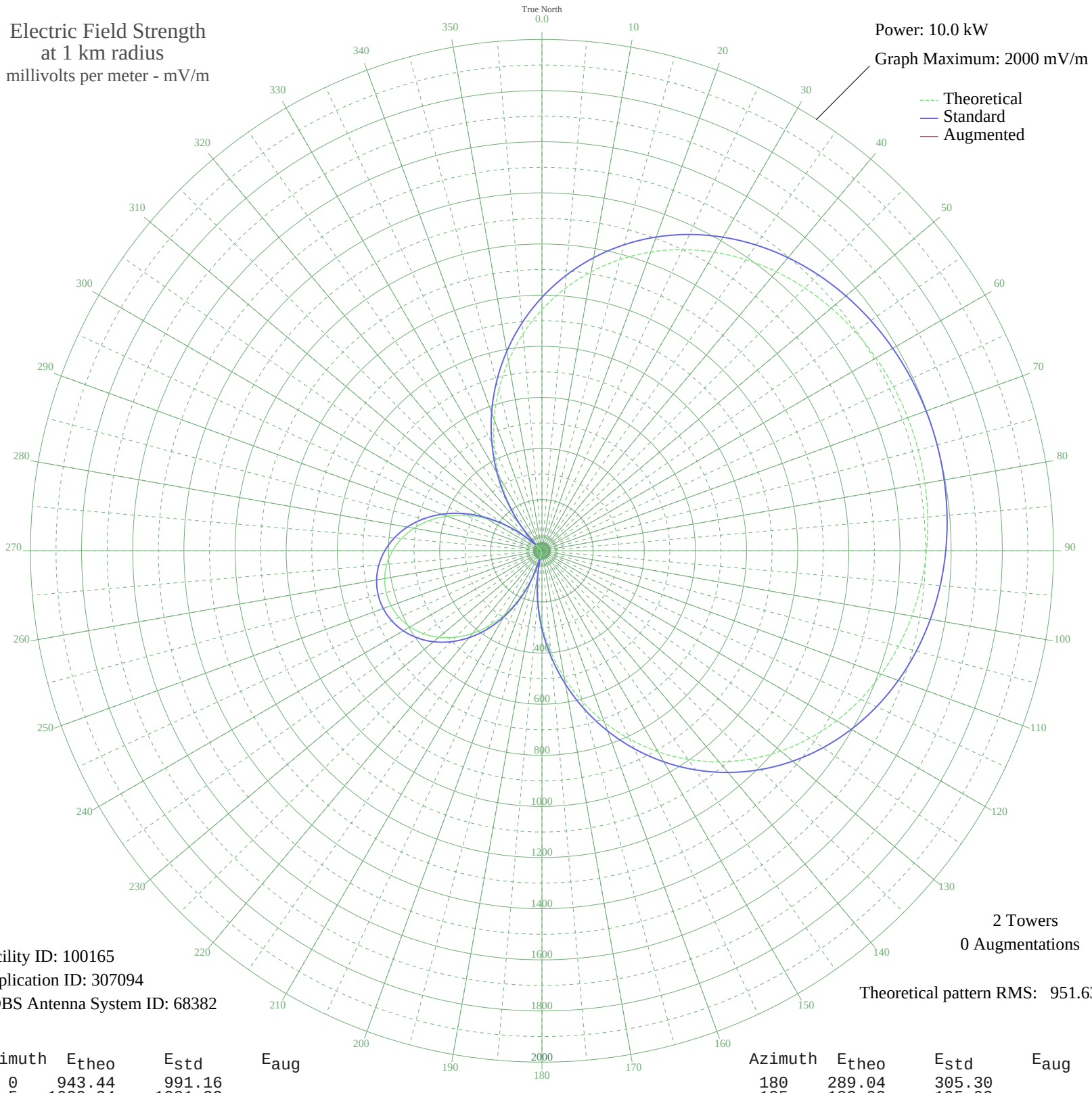
ZYH592 MARACANAU, - Brazil -- 860 kHz

Nighttime

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



Power: 10.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 100165
Application ID: 307094
CDBS Antenna System ID: 68382

Theoretical pattern RMS: 951.63

Azimuth	E_{theo}	E_{std}	E_{aug}
0	943.44	991.16	
5	1029.24	1081.22	
10	1108.10	1163.98	
15	1179.56	1238.98	
20	1243.42	1306.01	
25	1299.67	1365.06	
30	1348.47	1416.28	
35	1390.14	1460.02	
40	1425.11	1496.73	
45	1453.87	1526.93	
50	1476.97	1551.17	
55	1494.90	1570.00	
60	1508.15	1583.91	
65	1517.11	1593.32	
70	1522.08	1598.53	
75	1523.21	1599.72	
80	1520.56	1596.93	
85	1514.02	1590.07	
90	1503.39	1578.91	
95	1488.31	1563.08	
100	1468.38	1542.15	
105	1443.08	1515.60	
110	1411.89	1482.86	
115	1374.30	1443.40	
120	1329.82	1396.71	
125	1278.08	1342.39	
130	1218.80	1280.17	
135	1151.88	1209.93	
140	1077.42	1131.78	
145	995.73	1046.04	
150	907.30	953.25	
155	812.90	854.19	
160	713.43	749.84	
165	610.03	641.39	
170	503.92	530.16	
175	396.47	417.61	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	289.04	305.30	
185	183.03	195.03	
190	79.78	90.11	
195	19.47	38.99	
200	113.59	123.80	
205	201.58	214.25	
210	282.63	298.62	
215	356.07	375.34	
220	421.36	443.68	
225	478.15	503.15	
230	526.16	553.46	
235	565.23	594.42	
240	595.26	625.90	
245	616.21	647.87	
250	628.05	660.29	
255	630.78	663.16	
260	624.41	656.47	
265	608.92	640.23	
270	584.34	614.45	
275	550.68	579.17	
280	508.02	534.45	
285	456.48	480.45	
290	396.25	417.38	
295	327.64	345.62	
300	251.09	265.73	
305	167.18	178.65	
310	76.63	87.04	
315	19.67	39.10	
320	120.66	130.98	
325	225.18	238.76	
330	331.92	350.09	
335	439.52	462.69	
340	546.61	574.90	
345	651.79	685.18	
350	753.76	792.14	
355	851.32	894.50	

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