

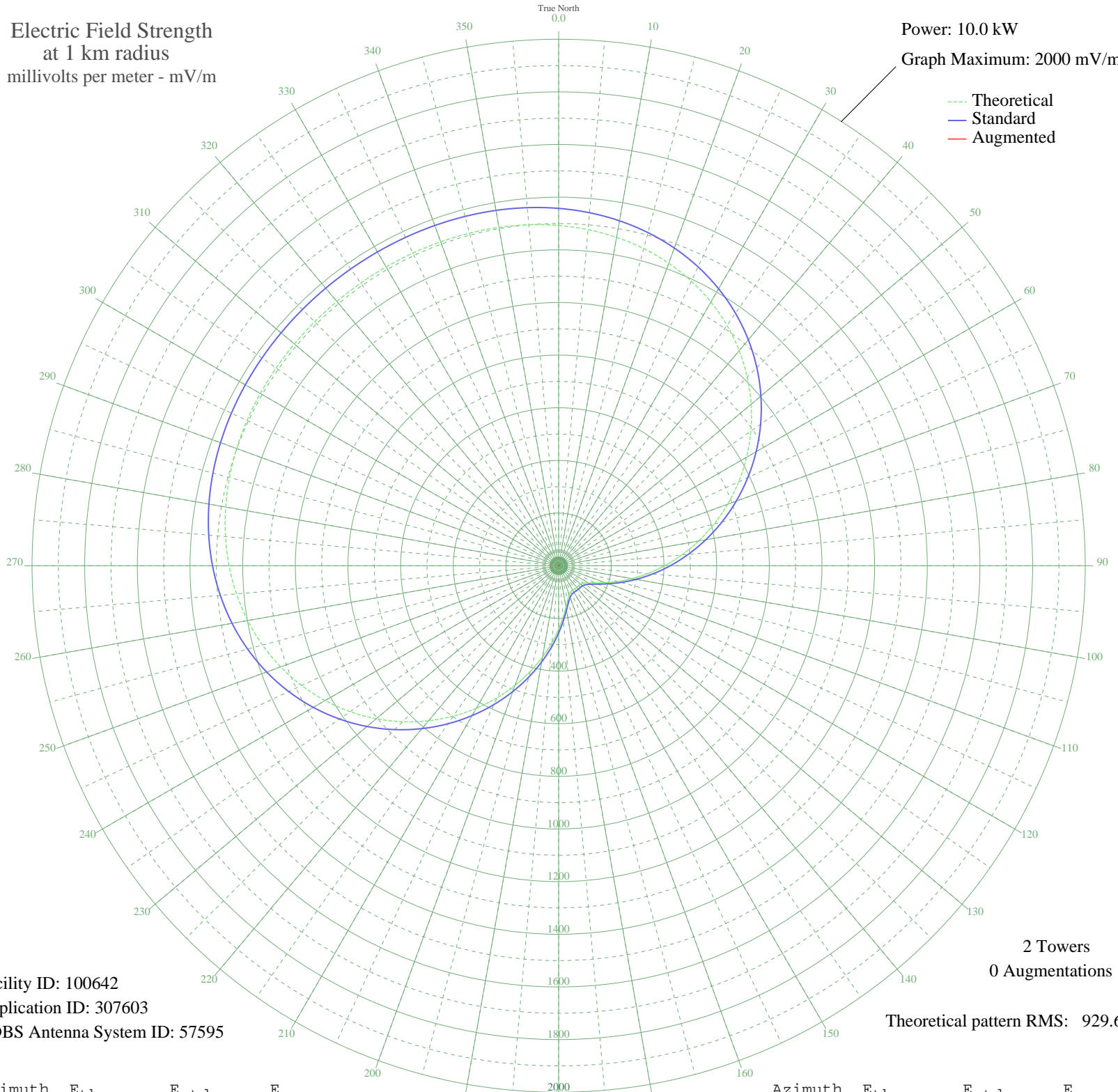
- MANAUS, - Brazil -- 980 kHz

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



Facility ID: 100642
Application ID: 307603
CDBS Antenna System ID: 57595

2 Towers
0 Augmentations

Theoretical pattern RMS: 929.66

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1292.44	1357.46	
5	1281.57	1346.06	
10	1266.73	1330.48	
15	1247.30	1310.09	
20	1222.74	1284.30	
25	1192.60	1252.67	
30	1156.60	1214.88	
35	1114.62	1170.82	
40	1066.73	1120.56	
45	1013.19	1064.37	
50	954.47	1002.74	
55	891.19	936.34	
60	824.18	866.03	
65	754.39	792.80	
70	682.86	717.77	
75	610.74	642.13	
80	539.19	567.12	
85	469.41	494.00	
90	402.58	424.01	
95	339.87	358.40	
100	282.45	298.43	
105	231.53	245.36	
110	188.34	200.52	
115	154.14	165.22	
120	129.86	140.33	
125	115.32	125.55	
130	108.59	118.76	
135	106.53	116.68	
140	106.25	116.40	
145	106.26	116.41	
150	106.72	116.87	
155	109.46	119.63	
160	117.51	127.78	
165	133.91	144.47	
170	160.21	171.47	
175	196.30	208.77	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	241.13	255.36	
185	293.45	309.91	
190	352.02	371.11	
195	415.65	437.70	
200	483.17	508.41	
205	553.40	582.01	
210	625.15	657.25	
215	697.25	732.87	
220	768.52	807.63	
225	837.84	880.36	
230	904.17	949.96	
235	966.60	1015.47	
240	1024.33	1076.06	
245	1076.77	1131.10	
250	1123.49	1180.14	
255	1164.27	1222.94	
260	1199.09	1259.48	
265	1228.08	1289.92	
270	1251.59	1314.58	
275	1270.05	1333.96	
280	1284.04	1348.65	
285	1294.19	1359.31	
290	1301.18	1366.64	
295	1305.67	1371.36	
300	1308.31	1374.13	
305	1309.67	1375.56	
310	1310.25	1376.16	
315	1310.42	1376.34	
320	1310.44	1376.36	
325	1310.44	1376.36	
330	1310.40	1376.32	
335	1310.17	1376.08	
340	1309.48	1375.35	
345	1307.90	1373.70	
350	1304.94	1370.59	
355	1300.00	1365.41	

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.

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Prepared by Audio Division, Media Bureau
Federal Communications Commission