

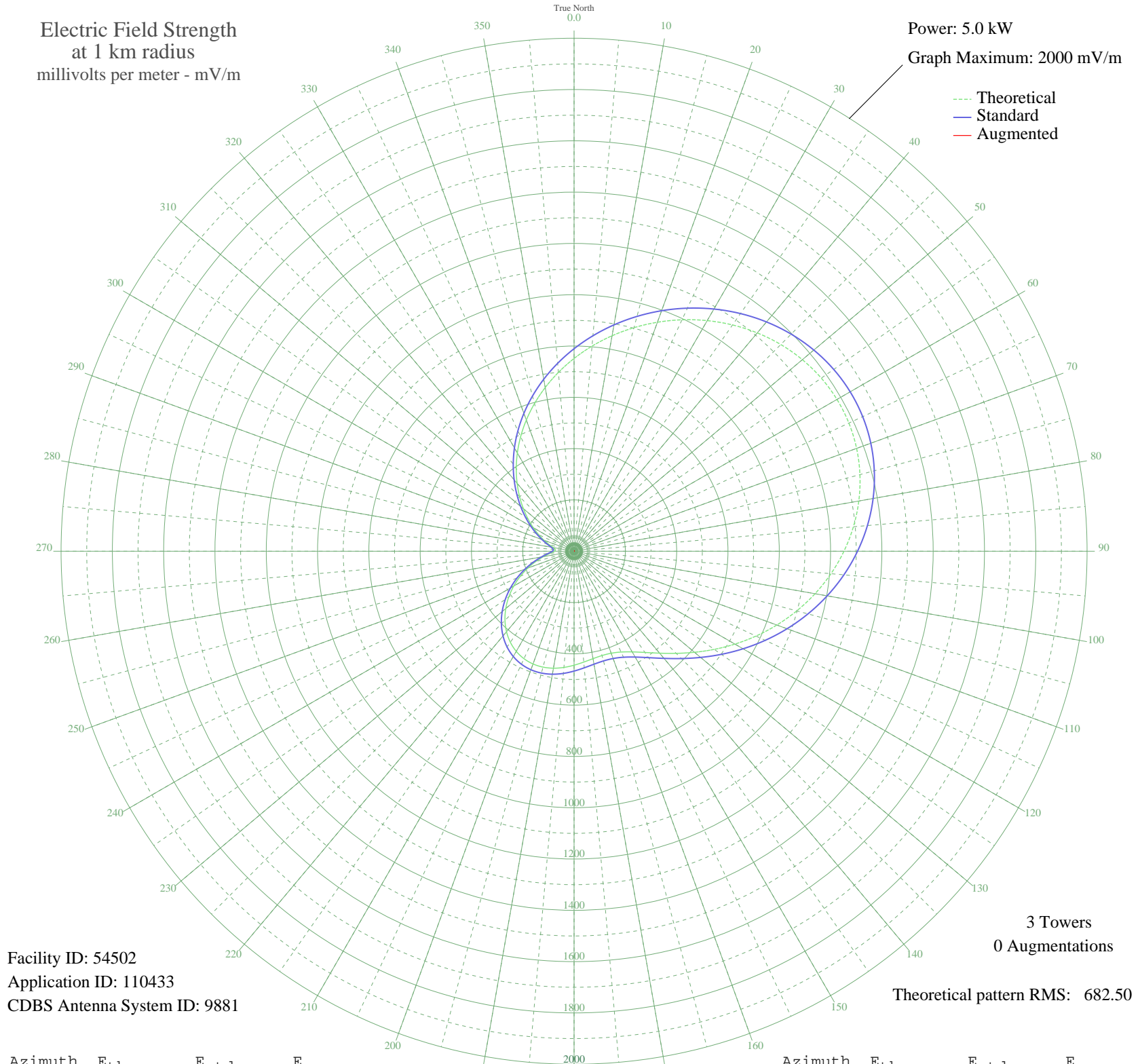
WBQN BARCELONETA-MANATI, PR BL-19880318AI 1160 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 54502
Application ID: 110433
CDBS Antenna System ID: 9881

3 Towers
0 Augmentations
Theoretical pattern RMS: 682.50

Azimuth	E _{theo}	E _{std}	E _{aug}
0	751.52	789.50	
5	802.65	843.16	
10	853.03	896.04	
15	902.30	947.76	
20	950.00	997.82	
25	995.51	1045.60	
30	1038.11	1090.31	
35	1076.96	1131.09	
40	1111.14	1166.97	
45	1139.72	1196.98	
50	1161.82	1220.18	
55	1176.65	1235.74	
60	1183.57	1243.00	
65	1182.15	1241.52	
70	1172.20	1231.08	
75	1153.80	1211.75	
80	1127.25	1183.89	
85	1093.14	1148.07	
90	1052.22	1105.12	
95	1005.45	1056.03	
100	953.92	1001.94	
105	898.78	944.06	
110	841.26	883.69	
115	782.62	822.14	
120	724.13	760.76	
125	667.11	700.93	
130	612.93	644.08	
135	563.01	591.71	
140	518.82	545.35	
145	481.79	506.52	
150	453.15	476.49	
155	433.64	456.03	
160	423.24	445.13	
165	421.03	442.81	
170	425.30	447.28	
175	433.85	456.25	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	444.38	467.29	
185	454.72	478.13	
190	463.01	486.83	
195	467.73	491.77	
200	467.73	491.77	
205	462.21	485.98	
210	450.72	473.94	
215	433.15	455.52	
220	409.72	430.95	
225	380.93	400.78	
230	347.59	365.85	
235	310.71	327.23	
240	271.53	286.23	
245	231.42	244.31	
250	191.84	203.02	
255	154.39	164.08	
260	120.90	129.46	
265	93.84	101.74	
270	76.79	84.52	
275	73.31	81.05	
280	82.79	90.55	
285	100.88	108.92	
290	124.34	133.00	
295	151.96	161.56	
300	183.46	194.30	
305	218.79	231.13	
310	257.80	271.88	
315	300.16	316.18	
320	345.38	363.54	
325	392.94	413.37	
330	442.27	465.07	
335	492.84	518.11	
340	544.22	572.00	
345	596.04	626.36	
350	648.01	680.88	
355	699.90	735.34	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission