

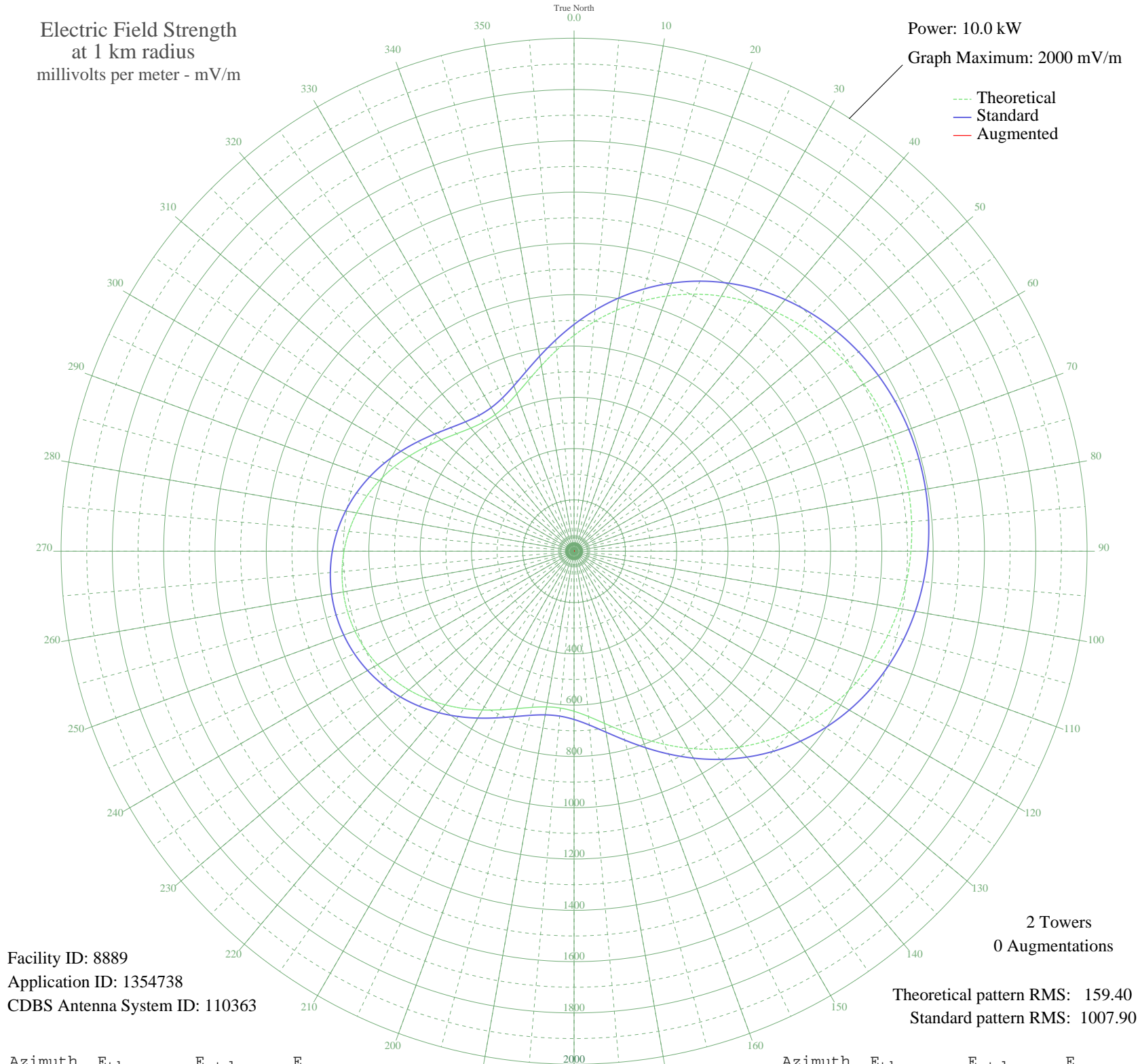
WAPA SAN JUAN, PR BP-20090710ASD 680 kHz

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: 8889
Application ID: 1354738
CDBS Antenna System ID: 110363

2 Towers
0 Augmentations

Theoretical pattern RMS: 159.40
Standard pattern RMS: 1007.90

Azimuth	E _{theo}	E _{std}	E _{aug}
0	841.41	884.11	
5	897.95	943.43	
10	954.00	1002.25	
15	1008.05	1058.97	
20	1058.98	1112.42	
25	1105.97	1161.74	
30	1148.49	1206.37	
35	1186.26	1246.02	
40	1219.17	1280.56	
45	1247.27	1310.05	
50	1270.70	1334.65	
55	1289.67	1354.56	
60	1304.42	1370.04	
65	1315.16	1381.32	
70	1322.09	1388.59	
75	1325.34	1392.00	
80	1324.98	1391.62	
85	1321.00	1387.45	
90	1313.32	1379.39	
95	1301.80	1367.29	
100	1286.22	1350.94	
105	1266.38	1330.11	
110	1242.03	1304.55	
115	1212.98	1274.06	
120	1179.09	1238.49	
125	1140.36	1197.84	
130	1096.91	1152.24	
135	1049.08	1102.04	
140	997.46	1047.86	
145	942.90	990.61	
150	886.63	931.55	
155	830.21	872.35	
160	775.60	815.05	
165	725.13	762.11	
170	681.37	716.21	
175	646.92	680.08	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	623.96	656.00	
185	613.75	645.29	
190	616.24	647.90	
195	630.07	662.41	
200	652.90	686.34	
205	681.98	716.84	
210	714.63	751.10	
215	748.54	786.67	
220	781.80	821.57	
225	812.99	854.28	
230	841.01	883.69	
235	865.12	908.98	
240	884.78	929.61	
245	899.63	945.20	
250	909.47	955.52	
255	914.15	960.43	
260	913.63	959.89	
265	907.91	953.88	
270	897.06	942.49	
275	881.22	925.87	
280	860.64	904.28	
285	835.70	878.11	
290	806.97	847.97	
295	775.28	814.72	
300	741.75	779.55	
305	707.93	744.07	
310	675.79	710.36	
315	647.74	680.94	
320	626.50	658.66	
325	614.77	646.37	
330	614.75	646.34	
335	627.55	659.77	
340	652.95	686.40	
345	689.46	724.69	
350	734.77	772.22	
355	786.27	826.25	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission