

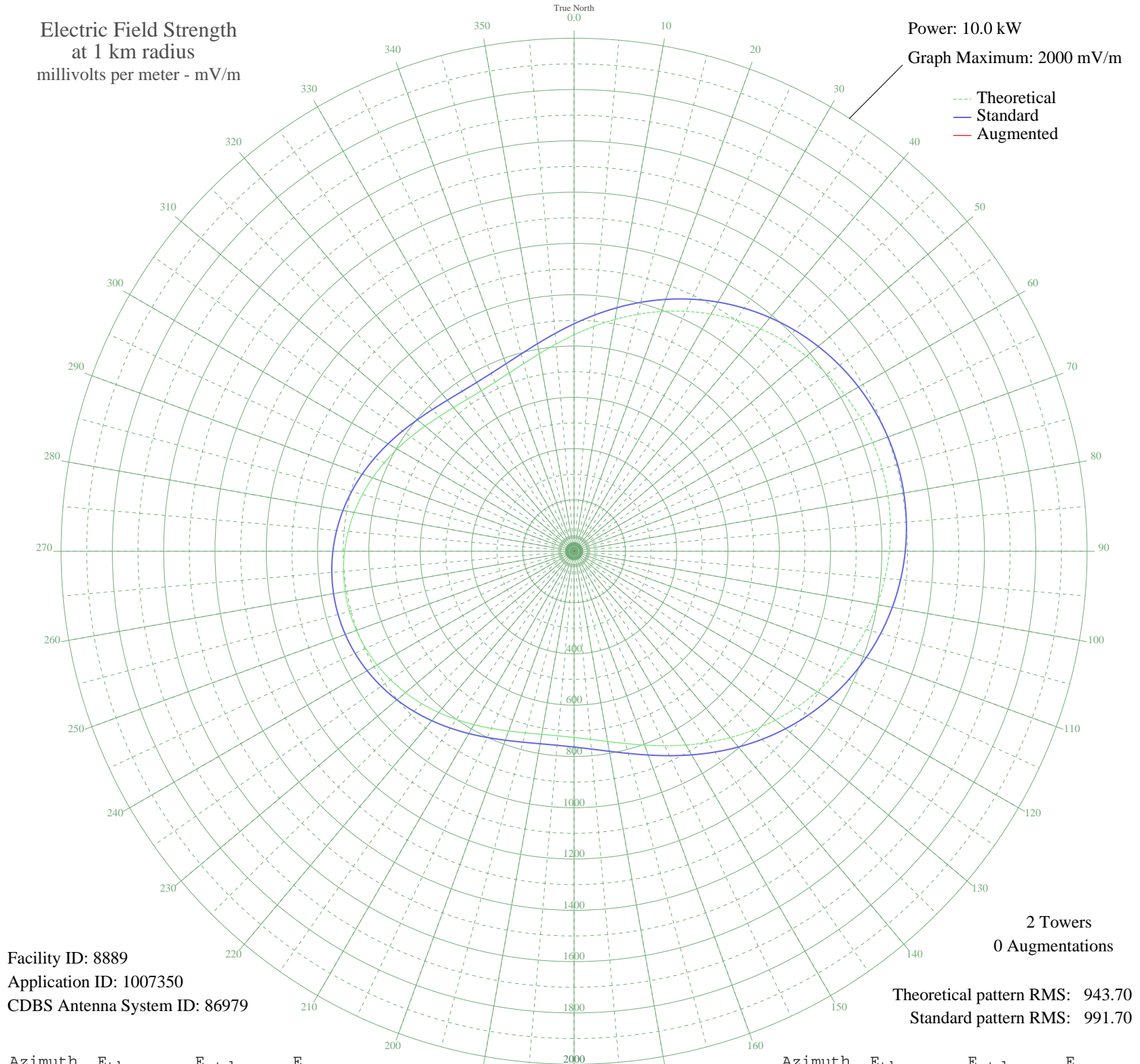
WAPA SAN JUAN, PR BL-20040810ACD 680 kHz

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: 1007350
CDBS Antenna System ID: 86979

2 Towers
0 Augmentations

Theoretical pattern RMS: 943.70
Standard pattern RMS: 991.70

Azimuth	E _{theo}	E _{std}	E _{aug}
0	843.60	886.65	
5	879.59	924.41	
10	917.39	964.07	
15	955.97	1004.54	
20	994.38	1044.85	
25	1031.80	1084.11	
30	1067.50	1121.57	
35	1100.90	1156.61	
40	1131.49	1188.72	
45	1158.88	1217.47	
50	1182.77	1242.54	
55	1202.91	1263.67	
60	1219.12	1280.69	
65	1231.28	1293.44	
70	1239.28	1301.84	
75	1243.09	1305.84	
80	1242.66	1305.39	
85	1238.02	1300.52	
90	1229.18	1291.24	
95	1216.20	1277.62	
100	1199.19	1259.77	
105	1178.29	1237.83	
110	1153.68	1212.00	
115	1125.61	1182.55	
120	1094.43	1149.82	
125	1060.53	1114.25	
130	1024.43	1076.38	
135	986.76	1036.85	
140	948.24	996.43	
145	909.74	956.04	
150	872.21	916.67	
155	836.71	879.44	
160	804.36	845.50	
165	776.24	816.01	
170	753.36	792.01	
175	736.50	774.33	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	726.14	763.47	
185	722.38	759.53	
190	724.91	762.18	
195	733.04	770.70	
200	745.82	784.10	
205	762.12	801.19	
210	780.76	820.75	
215	800.63	841.59	
220	820.67	862.61	
225	839.98	882.86	
230	857.79	901.54	
235	873.45	917.97	
240	886.46	931.62	
245	896.45	942.10	
250	903.14	949.11	
255	906.34	952.47	
260	905.98	952.10	
265	902.07	948.00	
270	894.71	940.27	
275	884.09	929.13	
280	870.51	914.89	
285	854.38	897.96	
290	836.22	878.92	
295	816.70	858.44	
300	796.61	837.37	
305	776.90	816.70	
310	758.63	797.54	
315	742.94	781.09	
320	731.01	768.57	
325	723.93	761.15	
330	722.61	759.77	
335	727.68	765.08	
340	739.36	777.33	
345	757.48	796.33	
350	781.48	821.50	
355	810.53	851.97	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission