

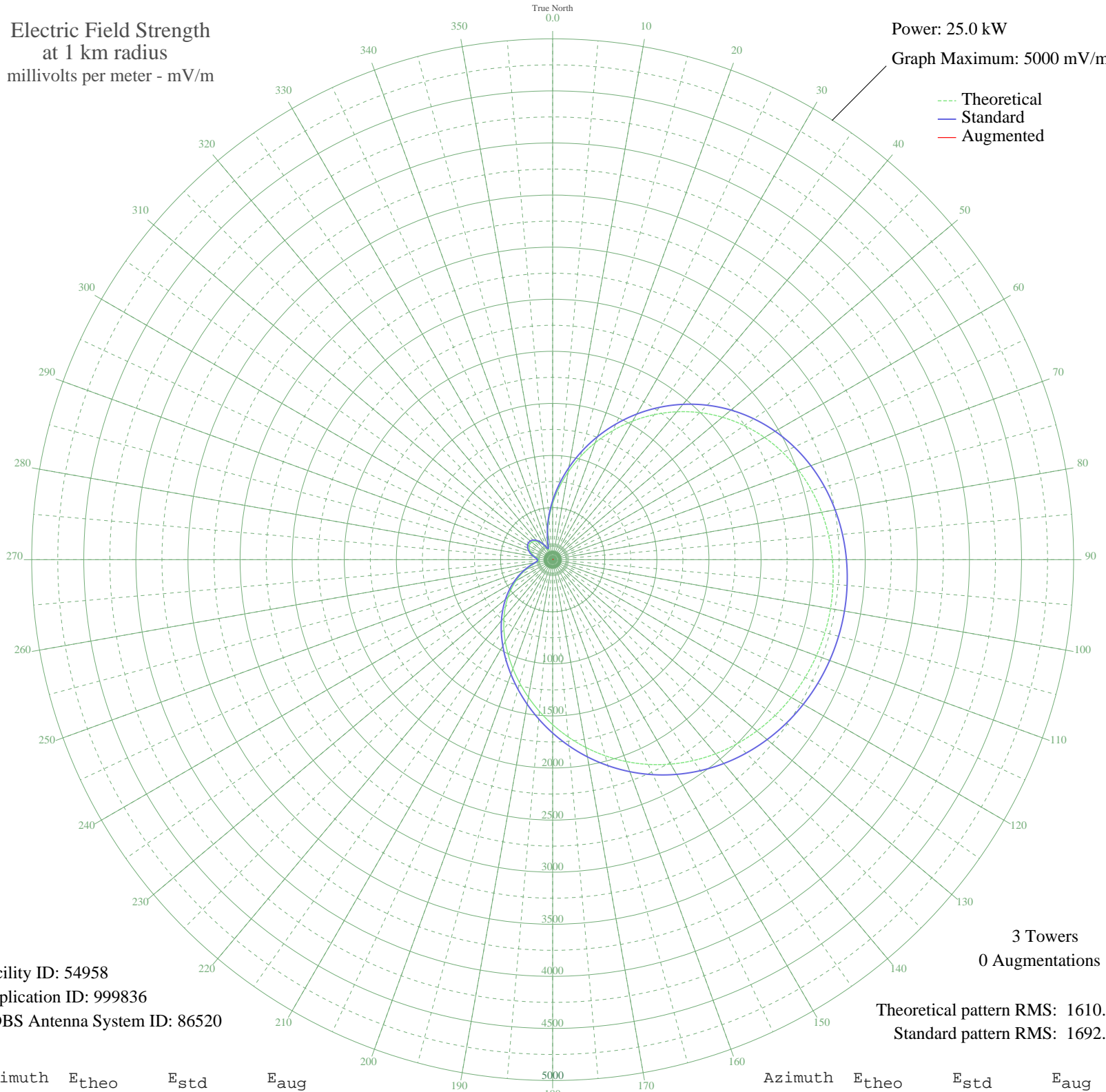
# WVOZ SAN JUAN, PR BL-20040610ABZ 1520 kHz

Nighttime

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

Power: 25.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 54958  
Application ID: 999836  
CDBS Antenna System ID: 86520

3 Towers  
0 Augmentations

Theoretical pattern RMS: 1610.00  
Standard pattern RMS: 1692.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	537.35	566.66	
5	690.42	726.84	
10	853.10	897.29	
15	1022.27	1074.67	
20	1194.68	1255.51	
25	1367.03	1436.34	
30	1536.13	1613.79	
35	1699.03	1784.76	
40	1853.16	1946.53	
45	1996.40	2096.88	
50	2127.13	2234.11	
55	2244.30	2357.10	
60	2347.35	2465.28	
65	2436.18	2558.53	
70	2511.08	2637.15	
75	2572.62	2701.76	
80	2621.57	2753.15	
85	2658.78	2792.21	
90	2685.08	2819.83	
95	2701.25	2836.80	
100	2707.90	2843.78	
105	2705.46	2841.22	
110	2694.16	2829.35	
115	2674.02	2808.21	
120	2644.90	2777.64	
125	2606.53	2737.36	
130	2558.54	2686.98	
135	2500.62	2626.18	
140	2432.54	2554.70	
145	2354.24	2472.51	
150	2265.96	2379.84	
155	2168.27	2277.29	
160	2062.11	2165.85	
165	1948.82	2046.93	
170	1830.08	1922.30	
175	1707.84	1794.00	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1584.20	1664.24	
185	1461.25	1535.21	
190	1340.92	1408.94	
195	1224.76	1287.07	
200	1113.88	1170.75	
205	1008.82	1060.56	
210	909.61	956.53	
215	815.83	858.23	
220	726.82	764.96	
225	641.82	675.95	
230	560.21	590.56	
235	481.66	508.46	
240	406.23	429.76	
245	334.49	355.12	
250	267.68	285.92	
255	208.13	224.76	
260	160.20	176.22	
265	131.22	147.44	
270	127.63	143.93	
275	145.10	161.15	
280	172.14	188.22	
285	200.47	216.94	
290	225.80	242.84	
295	245.86	263.44	
300	259.19	277.17	
305	264.67	282.82	
310	261.29	279.33	
315	248.08	265.72	
320	224.28	241.28	
325	189.72	206.01	
330	146.26	162.29	
335	104.34	121.49	
340	103.25	120.45	
345	169.23	185.29	
350	272.41	290.80	
355	396.92	420.06	

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.

27 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission