

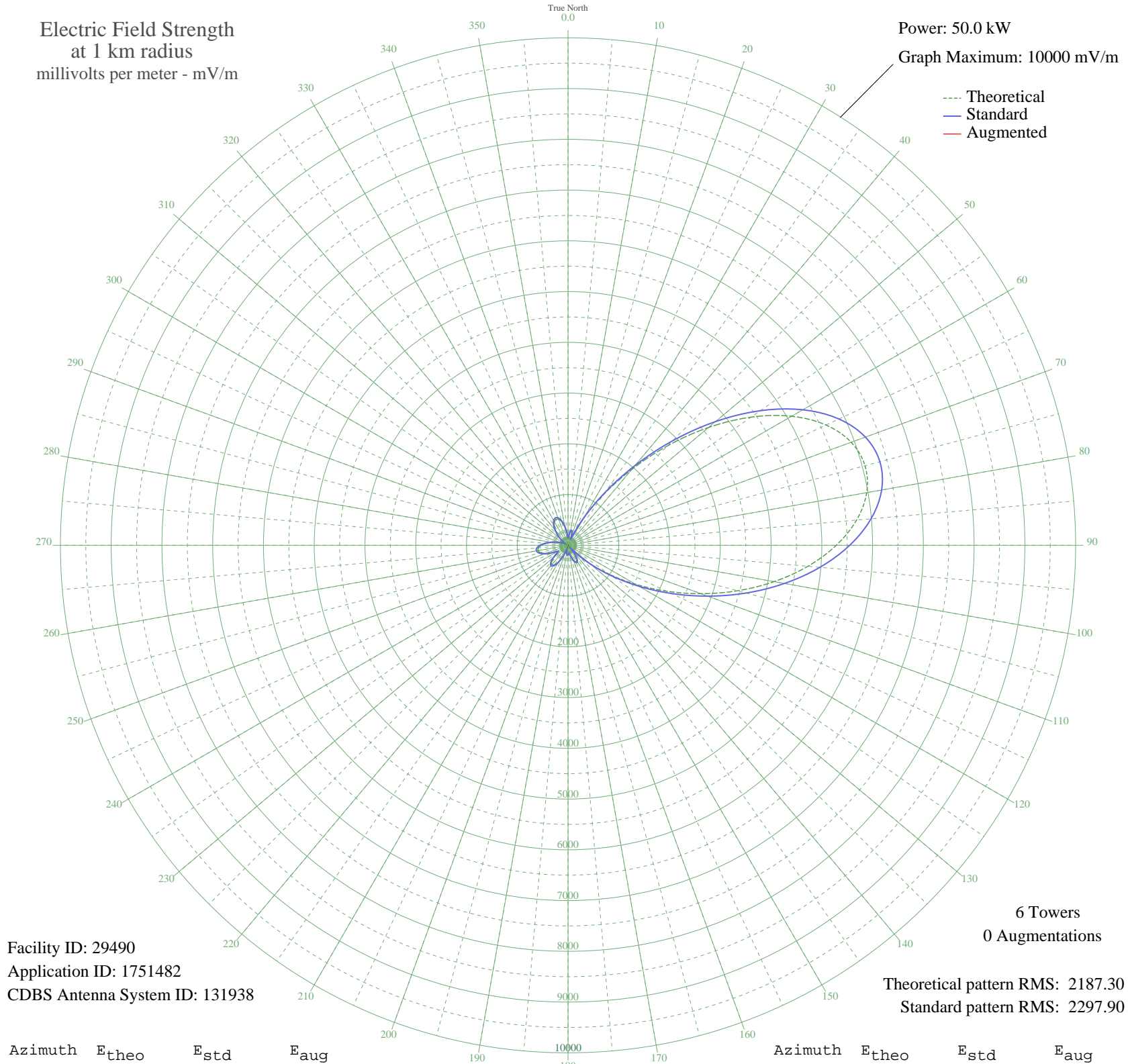
WFTL WEST PALM BEACH, FL BMML-20050104ABJ 850 kHz

Daytime

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

Power: 50.0 kW
Graph Maximum: 10000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 29490
Application ID: 1751482
CDBS Antenna System ID: 131938

6 Towers
0 Augmentations

Theoretical pattern RMS: 2187.30
Standard pattern RMS: 2297.90

Azimuth	E _{theo}	E _{std}	E _{aug}
0	133.92	157.67	
5	188.60	210.48	
10	269.72	292.05	
15	275.19	297.62	
20	169.78	192.00	
25	186.58	208.49	
30	610.05	644.51	
35	1214.71	1277.44	
40	1952.62	2051.49	
45	2772.51	2912.01	
50	3611.87	3793.13	
55	4403.93	4624.68	
60	5086.30	5341.09	
65	5608.48	5889.34	
70	5937.08	6234.34	
75	6057.80	6361.09	
80	5974.65	6273.79	
85	5706.80	5992.56	
90	5284.28	5548.95	
95	4743.36	4981.04	
100	4122.51	4329.22	
105	3459.15	3632.81	
110	2787.57	2927.82	
115	2137.68	2245.69	
120	1534.44	1612.74	
125	997.77	1050.08	
130	542.54	574.11	
135	178.71	200.75	
140	90.40	118.73	
145	262.87	285.08	
150	346.88	371.14	
155	354.56	379.06	
160	304.93	328.03	
165	225.25	247.03	
170	157.09	179.70	
175	148.49	171.45	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	174.94	197.05	
185	177.62	199.67	
190	131.94	155.82	
195	37.89	81.67	
200	98.69	125.79	
205	244.68	266.63	
210	376.42	401.63	
215	466.30	494.78	
220	494.44	524.04	
225	453.84	481.84	
230	355.21	379.73	
235	239.69	261.58	
240	217.65	239.41	
245	330.08	353.85	
250	462.60	490.94	
255	558.58	590.83	
260	599.80	633.81	
265	584.92	618.30	
270	523.43	554.21	
275	431.38	458.53	
280	327.11	350.79	
285	226.92	248.71	
290	140.83	164.17	
295	69.80	102.27	
300	26.69	76.63	
305	87.19	116.05	
310	176.20	198.28	
315	276.64	299.10	
320	378.31	403.58	
325	468.56	497.13	
330	534.02	565.24	
335	562.54	594.96	
340	545.21	576.89	
345	478.52	507.48	
350	367.27	392.17	
355	230.56	252.38	

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 Sep 2023

Prepared by Audio Division, Media Bureau
Federal Communications Commission