

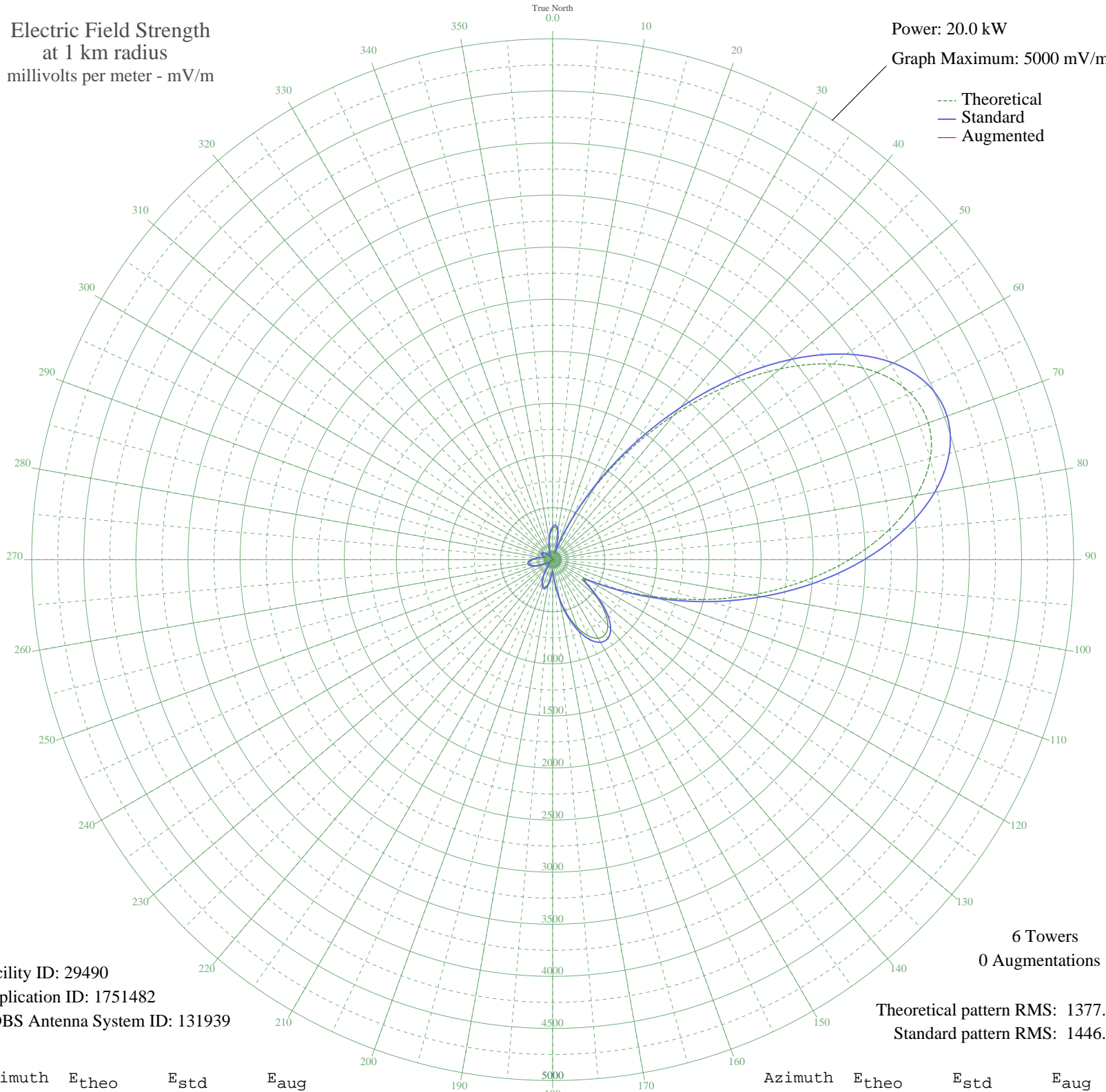
WFTL WEST PALM BEACH, FL BMML-20050104ABJ 850 kHz

Nighttime

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

Power: 20.0 kW
Graph Maximum: 5000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 29490
Application ID: 1751482
CDBS Antenna System ID: 131939

6 Towers
0 Augmentations

Theoretical pattern RMS: 1377.00
Standard pattern RMS: 1446.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	298.70	316.97	
5	313.66	332.53	
10	271.64	288.89	
15	155.08	169.18	
20	92.49	107.41	
25	391.57	413.70	
30	798.79	839.99	
35	1282.82	1347.75	
40	1812.37	1903.54	
45	2348.68	2466.54	
50	2849.86	2992.70	
55	3276.22	3440.34	
60	3595.27	3775.32	
65	3785.24	3974.77	
70	3836.73	4028.83	
75	3752.46	3940.35	
80	3545.35	3722.90	
85	3235.78	3397.87	
90	2848.50	2991.28	
95	2409.92	2530.83	
100	1945.99	2043.81	
105	1481.30	1556.04	
110	1039.79	1092.75	
115	650.89	684.97	
120	380.84	402.51	
125	373.47	394.82	
130	541.27	570.19	
135	707.33	744.12	
140	823.21	865.59	
145	877.89	922.92	
150	870.59	915.28	
155	805.81	847.34	
160	692.18	728.24	
165	542.25	571.20	
170	372.40	393.70	
175	204.75	219.83	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	94.39	109.22	
185	149.40	163.45	
190	229.57	245.38	
195	270.56	287.77	
200	266.84	283.91	
205	225.39	241.07	
210	160.09	174.25	
215	88.27	103.43	
220	27.08	53.99	
225	11.67	47.50	
230	19.77	50.37	
235	16.24	48.96	
240	56.13	74.70	
245	112.26	126.49	
250	166.64	180.89	
255	207.00	222.14	
260	225.32	241.00	
265	218.89	234.38	
270	190.44	205.16	
275	147.64	161.67	
280	103.37	117.84	
285	77.74	93.64	
290	83.67	99.12	
295	100.74	115.30	
300	109.53	123.83	
305	104.39	118.83	
310	86.30	101.58	
315	59.64	77.64	
320	30.50	55.96	
325	8.61	46.77	
330	21.00	50.91	
335	41.33	63.16	
340	72.88	89.23	
345	121.72	135.79	
350	184.06	198.63	
355	248.63	265.06	

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.

13 Sep 2023

Prepared by Audio Division, Media Bureau
Federal Communications Commission