

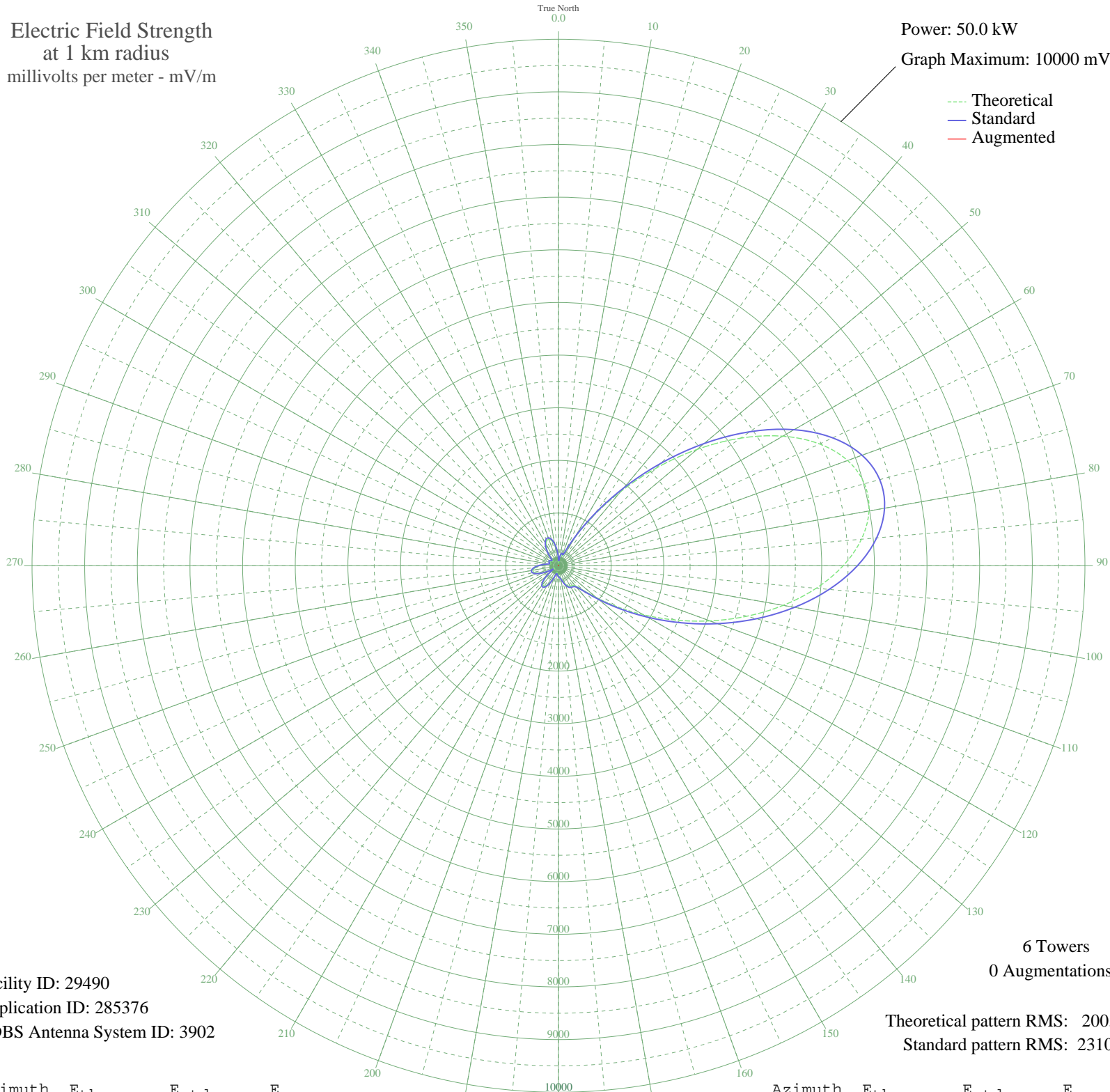
# WFTL WEST PALM BEACH, FL BP-19990521AI 850 kHz

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: 285376  
CDBS Antenna System ID: 3902

6 Towers  
0 Augmentations

Theoretical pattern RMS: 200.00  
Standard pattern RMS: 2310.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	110.35	137.61	
5	73.80	107.32	
10	180.13	203.18	
15	226.22	248.87	
20	199.91	222.65	
25	265.46	288.46	
30	608.46	643.19	
35	1150.42	1210.22	
40	1837.55	1930.86	
45	2619.68	2751.67	
50	3437.09	3609.71	
55	4224.92	4436.79	
60	4920.91	5167.49	
65	5472.88	5747.00	
70	5844.18	6136.84	
75	6016.39	6317.64	
80	5989.03	6288.92	
85	5777.20	6066.51	
90	5407.58	5678.44	
95	4914.19	5160.43	
100	4334.35	4551.67	
105	3705.46	3891.44	
110	3062.77	3216.76	
115	2438.14	2561.12	
120	1859.77	1954.17	
125	1352.83	1422.41	
130	941.47	991.33	
135	651.22	687.80	
140	499.79	530.01	
145	456.95	485.51	
150	447.39	475.59	
155	420.70	447.93	
160	366.25	391.67	
165	296.46	320.01	
170	234.90	257.58	
175	201.22	223.94	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	187.57	210.47	
185	166.91	190.33	
190	130.96	156.27	
195	126.79	152.43	
200	206.18	228.86	
205	318.58	342.65	
210	416.77	443.86	
215	471.33	500.44	
220	464.51	493.35	
225	391.63	417.86	
230	262.84	285.80	
235	113.02	139.98	
240	136.18	161.12	
245	288.87	312.27	
250	413.10	440.07	
255	483.15	512.71	
260	492.40	522.32	
265	446.33	474.49	
270	360.23	385.45	
275	257.48	280.36	
280	171.44	194.72	
285	143.74	168.20	
290	165.11	188.59	
295	182.07	205.08	
300	172.21	195.47	
305	141.66	166.25	
310	130.41	155.76	
315	186.54	209.46	
320	284.34	307.65	
325	387.10	413.18	
330	472.63	501.78	
335	524.99	556.21	
340	532.70	564.24	
345	489.59	519.40	
350	396.35	422.74	
355	262.49	285.44	

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