

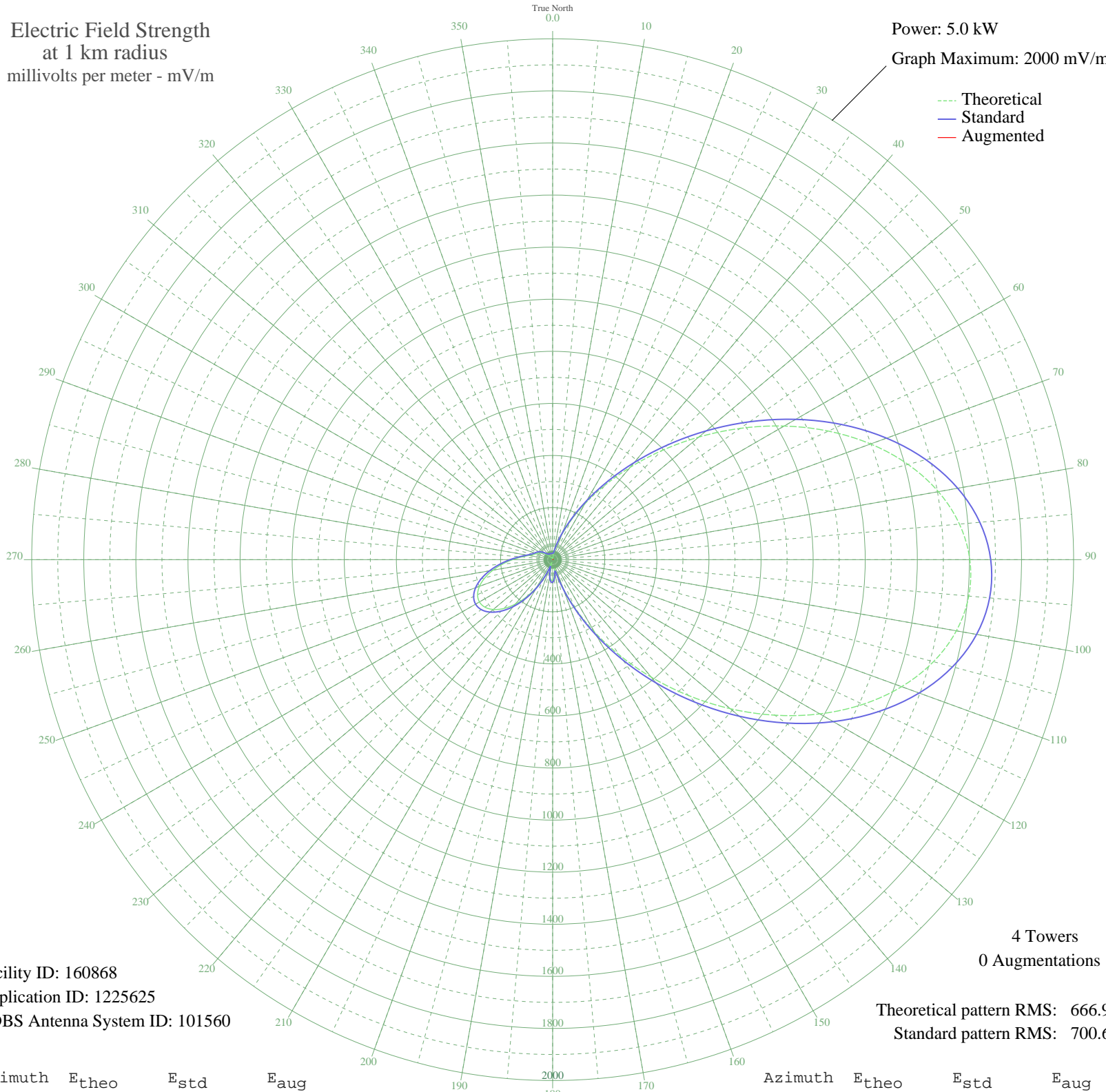
WVAA PALM SPRINGS, FL BNP-20071220AAP 1500 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 160868  
Application ID: 1225625  
CDBS Antenna System ID: 101560

4 Towers  
0 Augmentations

Theoretical pattern RMS: 666.90  
Standard pattern RMS: 700.60

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	5.84	24.27	
5	4.22	23.89	
10	23.41	33.99	
15	55.61	62.93	
20	102.83	110.49	
25	166.72	176.63	
30	248.19	261.66	
35	347.18	365.30	
40	462.58	486.28	
45	592.11	622.16	
50	732.33	769.30	
55	878.75	922.98	
60	1026.00	1077.56	
65	1168.15	1226.78	
70	1299.02	1364.17	
75	1412.65	1483.47	
80	1503.66	1579.02	
85	1567.66	1646.21	
90	1601.52	1681.76	
95	1603.60	1683.94	
100	1573.81	1652.67	
105	1513.61	1589.46	
110	1425.82	1497.30	
115	1314.47	1380.39	
120	1184.43	1243.87	
125	1041.18	1093.49	
130	890.42	935.24	
135	737.83	775.07	
140	588.74	618.62	
145	448.00	470.98	
150	319.78	336.59	
155	207.63	219.28	
160	114.91	122.92	
165	48.64	56.21	
170	41.05	49.08	
175	66.46	73.63	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	79.89	87.11	
185	76.88	84.07	
190	58.52	65.78	
195	27.72	37.39	
200	19.80	31.36	
205	67.24	74.40	
210	120.18	128.35	
215	173.30	183.47	
220	222.78	235.09	
225	265.17	279.41	
230	297.55	313.31	
235	317.76	334.47	
240	324.59	341.63	
245	317.94	334.66	
250	298.86	314.68	
255	269.51	283.96	
260	232.97	245.74	
265	192.99	204.00	
270	153.71	163.09	
275	119.22	127.36	
280	92.96	100.40	
285	76.30	83.49	
290	67.01	74.18	
295	60.51	67.73	
300	53.16	60.56	
305	43.70	51.54	
310	32.68	41.58	
315	21.74	32.75	
320	13.31	27.32	
325	10.11	25.77	
330	10.61	25.99	
335	10.35	25.87	
340	8.17	25.00	
345	5.81	24.26	
350	6.53	24.46	
355	8.04	24.95	

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.

15 Mar 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission