

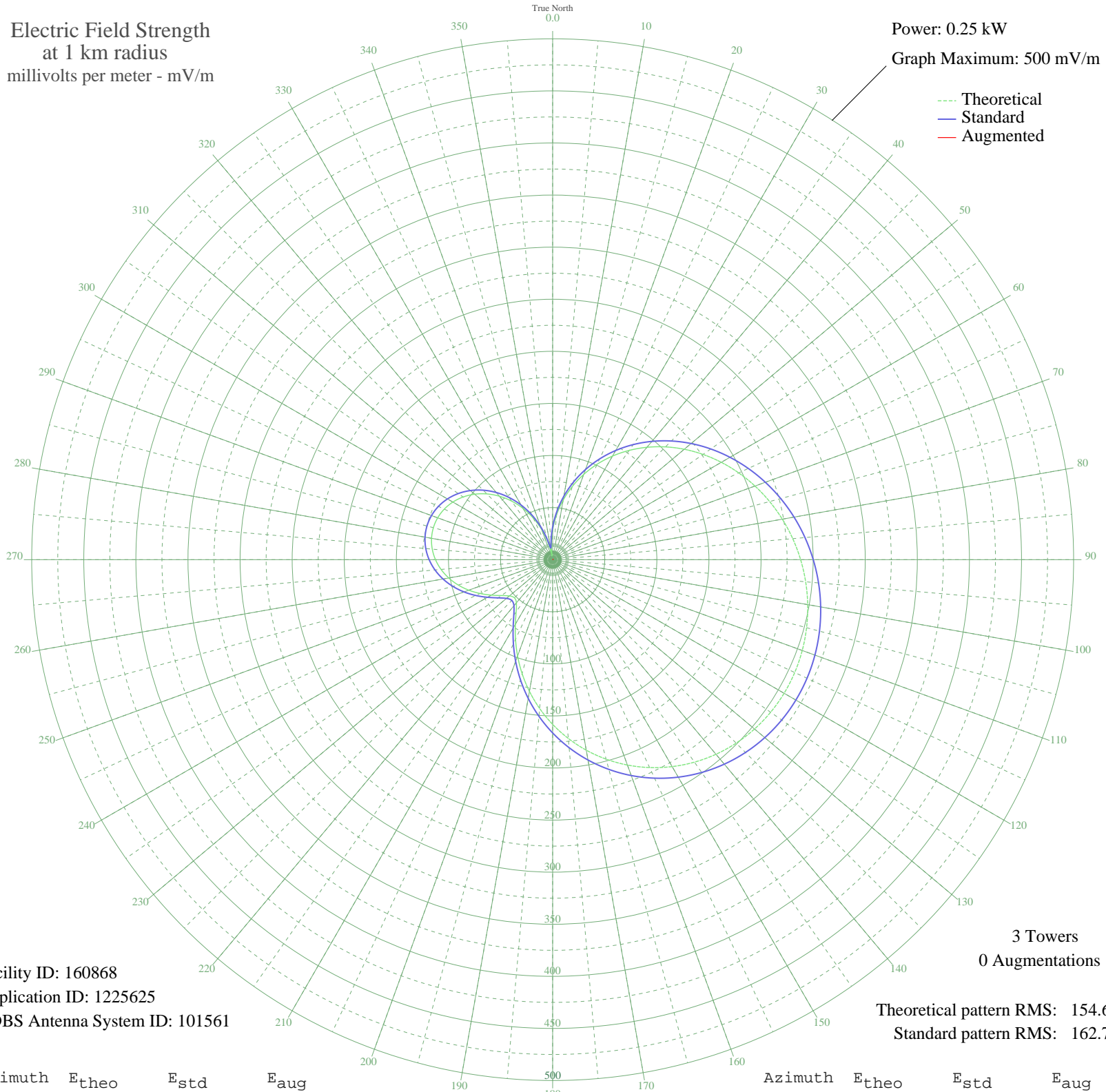
WVAA PALM SPRINGS, FL BNP-20071220AAP 1500 kHz

Nighttime

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 160868  
Application ID: 1225625  
CDBS Antenna System ID: 101561

3 Towers  
0 Augmentations

Theoretical pattern RMS: 154.60  
Standard pattern RMS: 162.70

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	28.18	31.40	
5	43.11	46.47	
10	57.97	61.77	
15	72.66	77.01	
20	87.07	92.02	
25	101.14	106.71	
30	114.81	121.01	
35	128.04	134.86	
40	140.82	148.23	
45	153.10	161.10	
50	164.89	173.46	
55	176.16	185.27	
60	186.90	196.53	
65	197.07	207.19	
70	206.65	217.24	
75	215.59	226.61	
80	223.84	235.26	
85	231.33	243.12	
90	237.99	250.11	
95	243.76	256.17	
100	248.56	261.20	
105	252.30	265.12	
110	254.92	267.87	
115	256.34	269.37	
120	256.52	269.55	
125	255.39	268.36	
130	252.91	265.77	
135	249.08	261.74	
140	243.87	256.27	
145	237.30	249.38	
150	229.39	241.09	
155	220.20	231.45	
160	209.80	220.54	
165	198.26	208.44	
170	185.71	195.28	
175	172.27	181.19	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	158.10	166.34	
185	143.39	150.93	
190	128.35	135.18	
195	113.24	119.37	
200	98.41	103.86	
205	84.30	89.14	
210	71.56	75.86	
215	61.10	65.01	
220	54.16	57.83	
225	51.81	55.40	
230	54.15	57.82	
235	60.08	63.95	
240	68.05	72.22	
245	76.85	81.37	
250	85.64	90.53	
255	93.89	99.14	
260	101.26	106.84	
265	107.50	113.37	
270	112.45	118.54	
275	115.99	122.24	
280	118.02	124.37	
285	118.51	124.88	
290	117.43	123.75	
295	114.78	120.98	
300	110.58	116.59	
305	104.89	110.63	
310	97.75	103.18	
315	89.26	94.31	
320	79.53	84.16	
325	68.65	72.84	
330	56.77	60.52	
335	44.02	47.40	
340	30.57	33.77	
345	16.62	20.37	
350	3.70	11.19	
355	13.43	17.58	

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