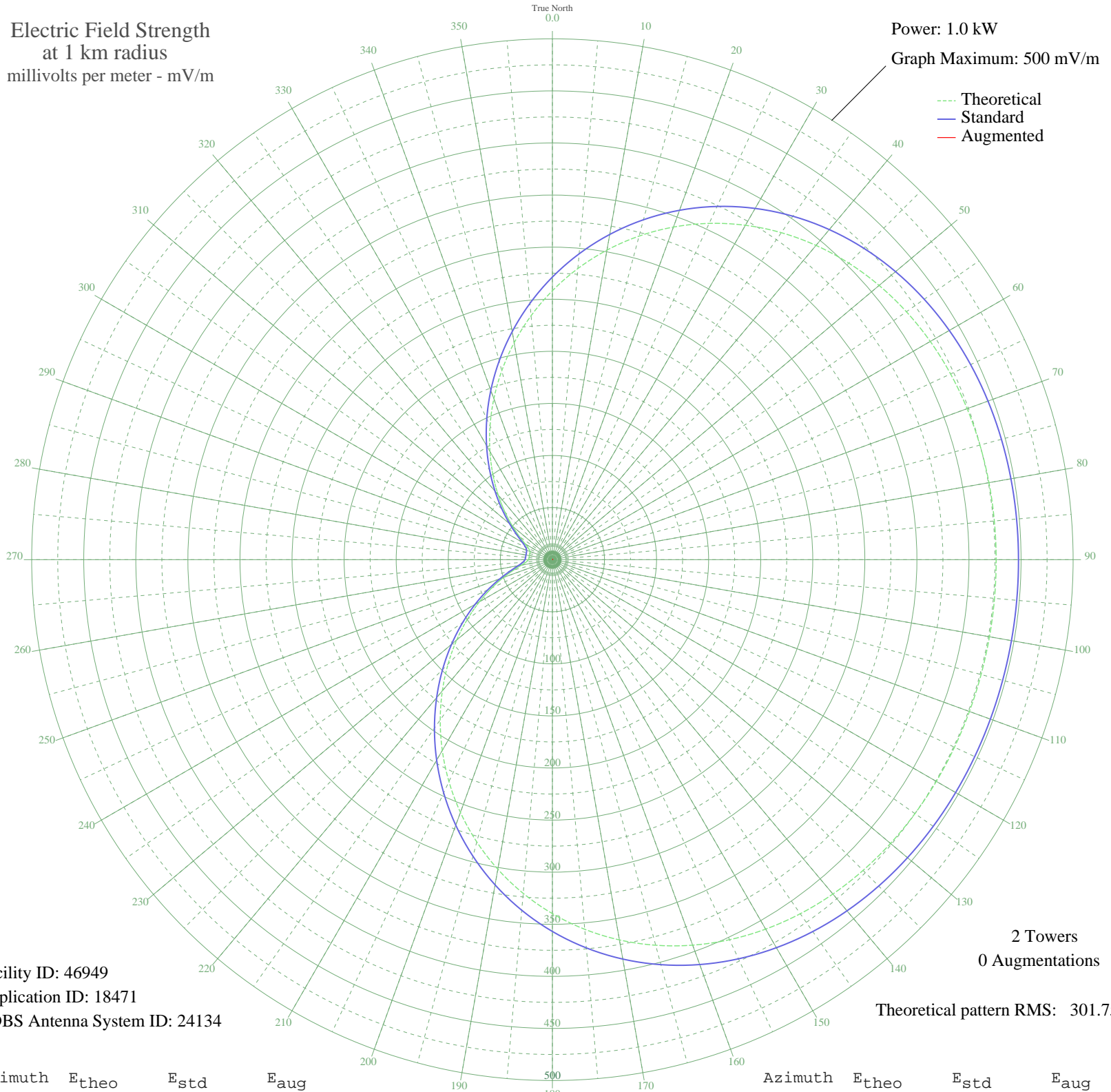


WIOZ PINEHURST, NC BL-19800318AH 550 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 46949  
Application ID: 18471  
CDBS Antenna System ID: 24134

Theoretical pattern RMS: 301.75

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	258.18	271.30	
5	280.53	294.74	
10	301.75	317.01	
15	321.58	337.82	
20	339.77	356.92	
25	356.17	374.13	
30	370.67	389.34	
35	383.20	402.50	
40	393.80	413.63	
45	402.54	422.80	
50	409.53	430.14	
55	414.95	435.83	
60	419.00	440.07	
65	421.87	443.09	
70	423.80	445.11	
75	425.00	446.37	
80	425.67	447.08	
85	426.00	447.42	
90	426.12	447.55	
95	426.15	447.58	
100	426.15	447.58	
105	426.15	447.58	
110	426.12	447.55	
115	426.00	447.42	
120	425.67	447.08	
125	425.00	446.37	
130	423.80	445.11	
135	421.87	443.09	
140	419.00	440.07	
145	414.95	435.83	
150	409.53	430.14	
155	402.54	422.80	
160	393.80	413.63	
165	383.20	402.50	
170	370.67	389.34	
175	356.17	374.13	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	339.77	356.92	
185	321.58	337.82	
190	301.75	317.01	
195	280.53	294.74	
200	258.18	271.30	
205	235.04	247.02	
210	211.45	222.27	
215	187.78	197.45	
220	164.39	172.93	
225	141.66	149.12	
230	119.95	126.38	
235	99.59	105.10	
240	80.93	85.62	
245	64.28	68.31	
250	50.01	53.55	
255	38.50	41.76	
260	30.15	33.35	
265	25.15	28.42	
270	23.00	26.33	
275	22.46	25.82	
280	22.43	25.79	
285	22.46	25.82	
290	23.00	26.33	
295	25.15	28.42	
300	30.15	33.35	
305	38.50	41.76	
310	50.01	53.55	
315	64.28	68.31	
320	80.93	85.62	
325	99.59	105.10	
330	119.95	126.38	
335	141.66	149.12	
340	164.39	172.93	
345	187.78	197.45	
350	211.45	222.27	
355	235.04	247.02	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission