

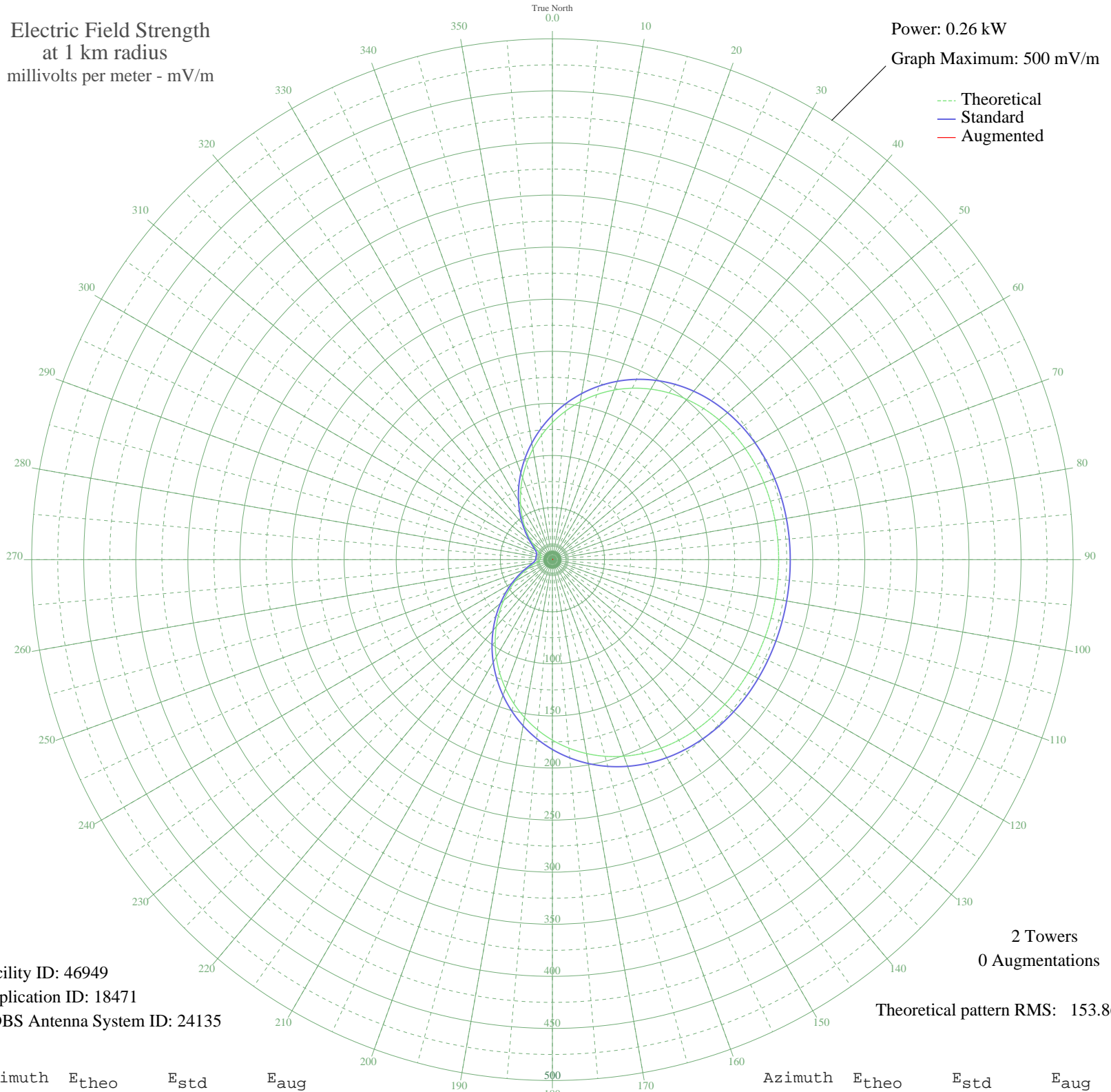
WIOZ PINEHURST, NC BL-19800318AH 550 kHz

Nighttime

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

Power: 0.26 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 46949  
Application ID: 18471  
CDBS Antenna System ID: 24135

2 Towers  
0 Augmentations

Theoretical pattern RMS: 153.86

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	131.65	138.63	
5	143.04	150.56	
10	153.86	161.89	
15	163.97	172.49	
20	173.25	182.21	
25	181.61	190.98	
30	189.00	198.73	
35	195.39	205.43	
40	200.80	211.10	
45	205.25	215.77	
50	208.82	219.51	
55	211.58	222.41	
60	213.64	224.57	
65	215.11	226.11	
70	216.09	227.14	
75	216.70	227.78	
80	217.05	228.14	
85	217.21	228.31	
90	217.27	228.38	
95	217.29	228.40	
100	217.29	228.40	
105	217.29	228.40	
110	217.27	228.38	
115	217.21	228.31	
120	217.05	228.14	
125	216.70	227.78	
130	216.09	227.14	
135	215.11	226.11	
140	213.64	224.57	
145	211.58	222.41	
150	208.82	219.51	
155	205.25	215.77	
160	200.80	211.10	
165	195.39	205.43	
170	189.00	198.73	
175	181.61	190.98	

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.

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	173.25	182.21	
185	163.97	172.49	
190	153.86	161.89	
195	143.04	150.56	
200	131.65	138.63	
205	119.85	126.28	
210	107.82	113.69	
215	95.75	101.08	
220	83.82	88.64	
225	72.23	76.57	
230	61.16	65.07	
235	50.78	54.34	
240	41.26	44.58	
245	32.78	35.98	
250	25.50	28.76	
255	19.63	23.13	
260	15.37	19.26	
265	12.83	17.08	
270	11.73	16.18	
275	11.45	15.97	
280	11.44	15.95	
285	11.45	15.97	
290	11.73	16.18	
295	12.83	17.08	
300	15.37	19.26	
305	19.63	23.13	
310	25.50	28.76	
315	32.78	35.98	
320	41.26	44.58	
325	50.78	54.34	
330	61.16	65.07	
335	72.23	76.57	
340	83.82	88.64	
345	95.75	101.08	
350	107.82	113.69	
355	119.85	126.28	

10 Nov 2011

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