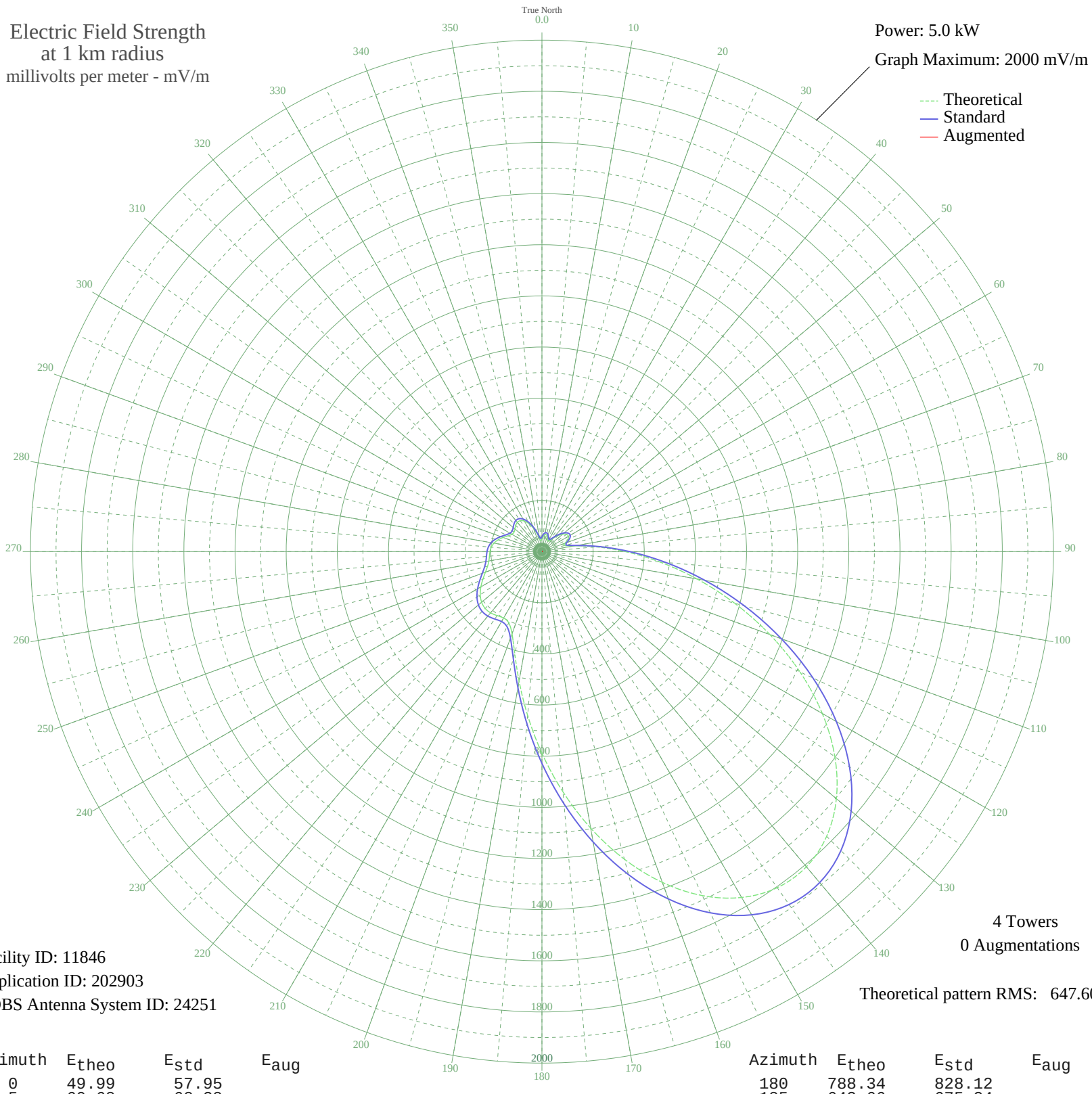
WTNT BETHESDA, MD BL-19940930AC 570 kHz

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

4 Towers
0 Augmentations

Facility ID: 11846
Application ID: 202903
CDBS Antenna System ID: 24251

Theoretical pattern RMS: 647.60

Azimuth	E_{theo}	E_{std}	E_{aug}
0	49.99	57.95	
5	60.68	68.28	
10	67.52	75.02	
15	67.97	75.47	
20	62.29	69.85	
25	53.16	60.98	
30	46.96	55.08	
35	51.98	59.85	
40	68.10	75.60	
45	88.10	95.71	
50	105.96	113.94	
55	117.48	125.77	
60	119.61	127.97	
65	111.05	119.16	
70	95.39	103.13	
75	91.41	99.06	
80	130.53	139.24	
85	213.14	225.13	
90	326.21	343.40	
95	462.29	486.02	
100	615.67	646.92	
105	780.19	819.57	
110	948.75	996.49	
115	1113.43	1169.36	
120	1265.93	1329.46	
125	1398.18	1468.30	
130	1502.94	1578.28	
135	1574.39	1653.29	
140	1608.68	1689.29	
145	1604.17	1684.56	
150	1561.62	1639.89	
155	1484.03	1558.43	
160	1376.36	1445.39	
165	1245.14	1307.63	
170	1097.93	1153.09	
175	942.88	990.33	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	788.34	828.12	
185	642.66	675.24	
190	514.25	540.52	
195	411.53	432.80	
200	341.84	359.77	
205	307.19	323.48	
210	299.72	315.66	
215	305.43	321.63	
220	312.38	328.92	
225	313.97	330.58	
230	307.83	324.16	
235	294.34	310.03	
240	275.58	290.40	
245	254.68	268.54	
250	235.17	248.15	
255	220.08	232.38	
260	210.74	222.63	
265	206.09	217.78	
270	203.21	214.78	
275	198.77	210.15	
280	190.43	201.46	
285	177.57	188.06	
290	161.62	171.47	
295	146.04	155.29	
300	135.40	144.27	
305	132.94	141.73	
310	137.70	146.65	
315	144.95	154.17	
320	149.48	158.86	
325	147.67	156.98	
330	137.93	146.89	
335	120.58	128.97	
340	97.56	105.34	
345	72.44	79.93	
350	51.23	59.13	
355	43.15	51.53	

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.

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Prepared by Audio Division, Media Bureau
Federal Communications Commission