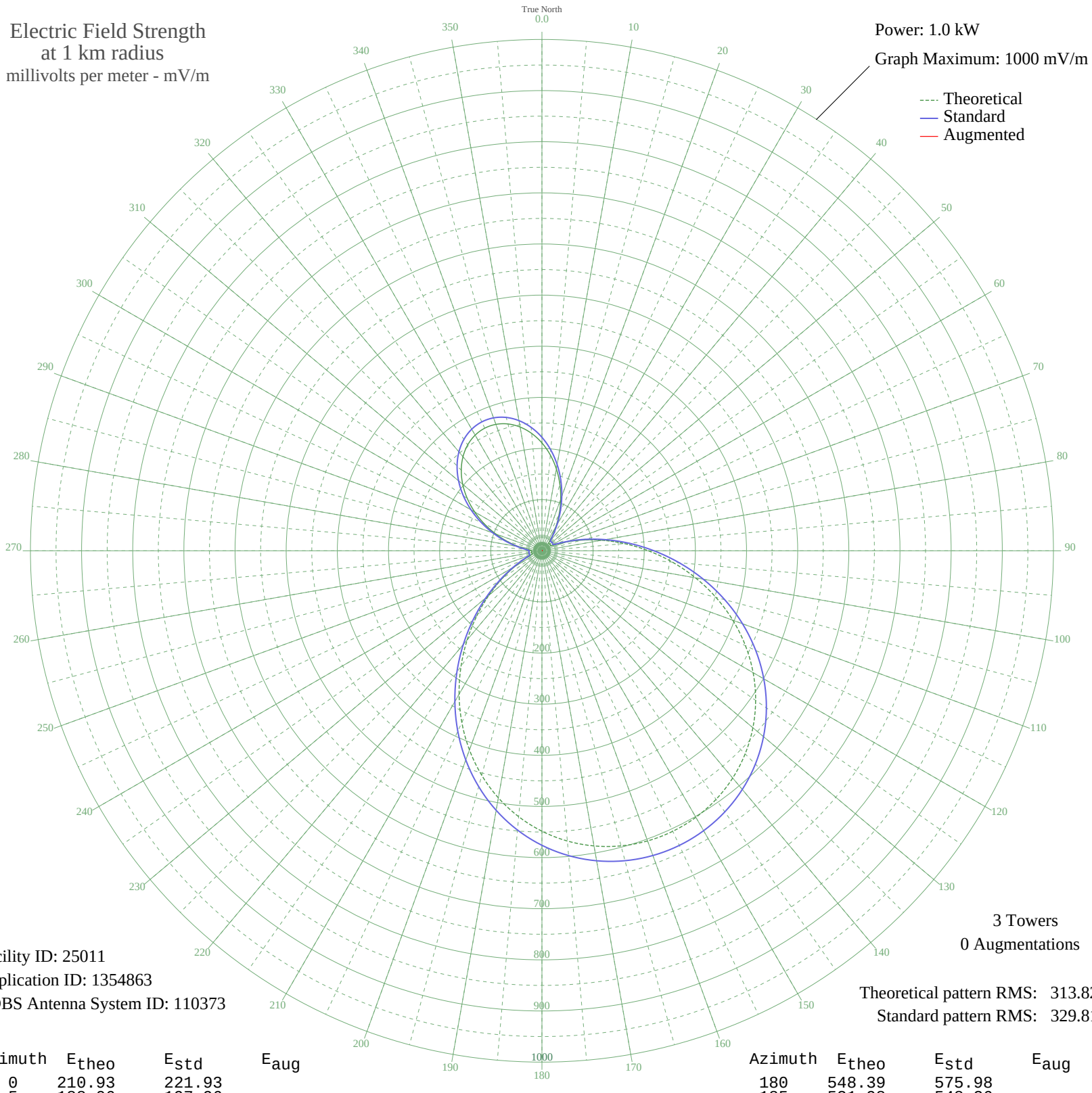
WNJE TRENTON, NJ BML-20100125AIP 920 kHz

Nighttime

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



Power: 1.0 kW

Graph Maximum: 1000 mV/m

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— Standard
— Augmented

3 Towers
0 Augmentations

Facility ID: 25011
Application ID: 1354863
CDBS Antenna System ID: 110373

Theoretical pattern RMS: 313.82
Standard pattern RMS: 329.81

Azimuth	E_{theo}	E_{std}	E_{aug}
0	210.93	221.93	
5	188.06	197.96	
10	162.49	171.19	
15	135.14	142.59	
20	107.13	113.37	
25	79.80	84.97	
30	54.74	59.17	
35	34.08	38.45	
40	21.34	26.46	
45	19.21	24.60	
50	20.98	26.15	
55	20.33	25.57	
60	19.13	24.53	
65	27.76	32.37	
70	49.67	54.02	
75	80.85	86.05	
80	118.81	125.55	
85	161.81	170.48	
90	208.19	219.05	
95	256.37	269.56	
100	304.83	320.38	
105	352.18	370.06	
110	397.23	417.33	
115	439.01	461.18	
120	476.78	500.82	
125	510.02	535.71	
130	538.43	565.52	
135	561.83	590.09	
140	580.18	609.36	
145	593.52	623.35	
150	601.87	632.13	
155	605.31	635.73	
160	603.84	634.18	
165	597.45	627.48	
170	586.12	615.58	
175	569.78	598.43	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	548.39	575.98	
185	521.98	548.26	
190	490.64	515.37	
195	454.63	477.57	
200	414.39	435.33	
205	370.54	389.32	
210	323.98	340.47	
215	275.80	289.94	
220	227.33	239.12	
225	180.04	189.57	
230	135.50	142.97	
235	95.33	101.08	
240	61.20	65.78	
245	35.18	39.53	
250	20.83	26.01	
255	19.47	24.83	
260	21.11	26.25	
265	19.98	25.26	
270	19.37	24.74	
275	27.77	32.38	
280	45.79	50.10	
285	69.40	74.22	
290	96.04	101.82	
295	123.95	130.90	
300	151.70	159.91	
305	178.11	187.54	
310	202.16	212.73	
315	223.04	234.62	
320	240.13	252.53	
325	252.94	265.96	
330	261.15	274.57	
335	264.56	278.15	
340	263.10	276.61	
345	256.79	270.00	
350	245.79	258.46	
355	230.36	242.29	

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.

13 Sep 2023

Prepared by Audio Division, Media Bureau
Federal Communications Commission