

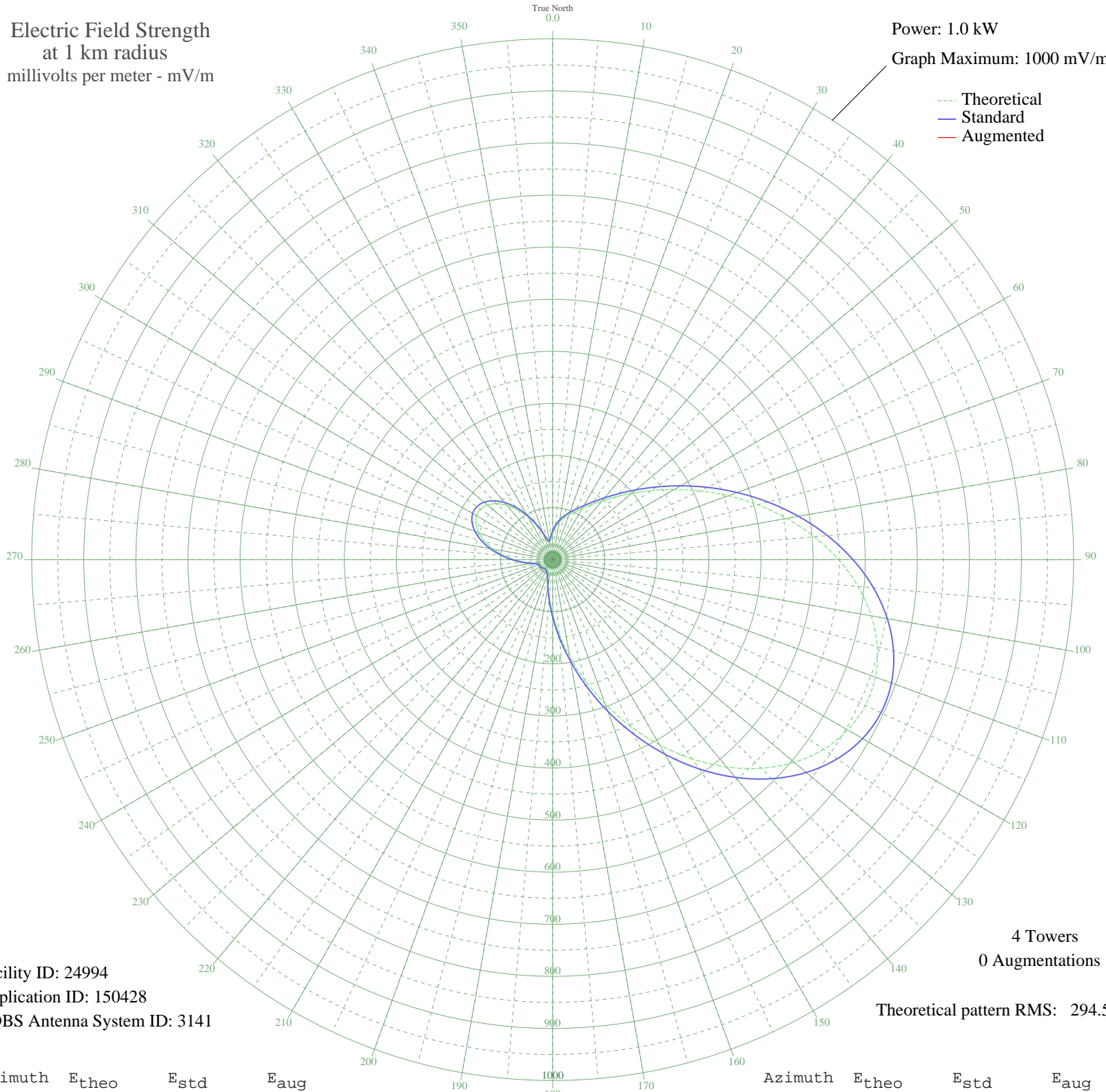
WLVP GORHAM, ME BL-19900720AD 870 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 24994
Application ID: 150428
CDBS Antenna System ID: 3141

4 Towers
0 Augmentations

Theoretical pattern RMS: 294.50

Azimuth	E _{theo}	E _{std}	E _{aug}
0	51.83	55.43	
5	62.96	66.94	
10	73.11	77.48	
15	82.47	87.23	
20	91.74	96.90	
25	101.84	107.44	
30	113.78	119.93	
35	128.57	135.41	
40	147.13	154.84	
45	170.20	179.01	
50	198.26	208.44	
55	231.50	243.30	
60	269.76	283.44	
65	312.47	328.26	
70	358.70	376.78	
75	407.17	427.66	
80	456.27	479.20	
85	504.17	529.48	
90	548.91	576.45	
95	588.52	618.03	
100	621.12	652.26	
105	645.06	677.39	
110	659.04	692.07	
115	662.17	695.36	
120	654.07	686.86	
125	634.88	666.70	
130	605.24	635.59	
135	566.30	594.71	
140	519.61	545.69	
145	467.03	490.49	
150	410.63	431.29	
155	352.58	370.35	
160	294.97	309.89	
165	239.77	251.98	
170	188.71	198.42	
175	143.21	150.73	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	104.36	110.08	
185	72.96	77.32	
190	49.55	53.08	
195	34.33	37.54	
200	26.42	29.67	
205	23.05	26.38	
210	21.15	24.56	
215	19.58	23.08	
220	18.84	22.39	
225	19.63	23.13	
230	21.59	24.98	
235	23.53	26.84	
240	24.44	27.73	
245	24.25	27.54	
250	24.49	27.78	
255	28.55	31.77	
260	38.79	42.06	
265	54.45	58.13	
270	73.65	78.04	
275	94.56	99.84	
280	115.44	121.67	
285	134.66	141.78	
290	150.71	158.59	
295	162.31	170.75	
300	168.53	177.27	
305	168.84	177.59	
310	163.16	171.64	
315	151.88	159.82	
320	135.79	142.97	
325	116.06	122.32	
330	94.15	99.42	
335	71.81	76.13	
340	51.35	54.93	
345	36.62	39.86	
350	33.26	36.46	
355	40.66	43.97	

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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Federal Communications Commission