

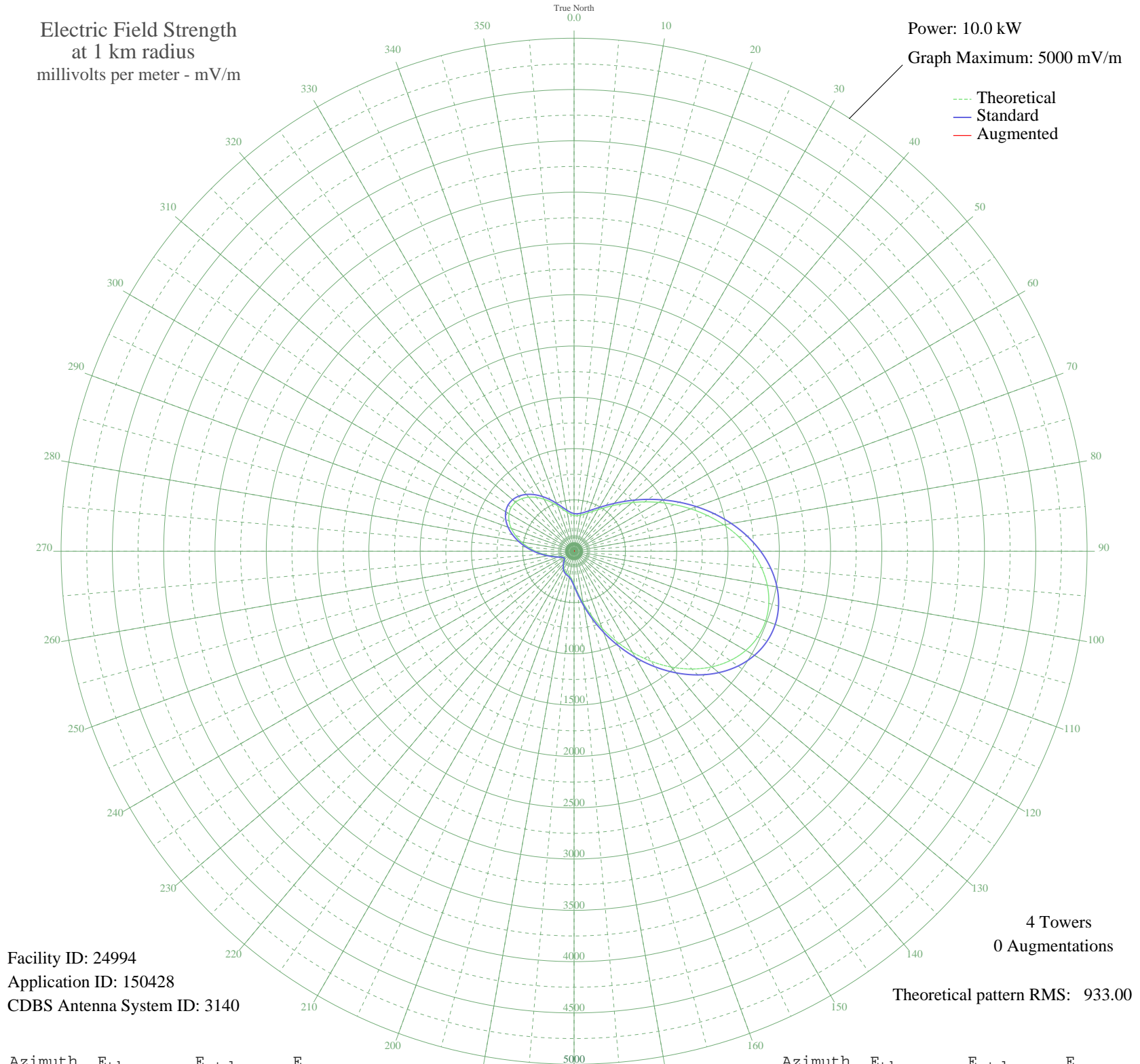
WLVP GORHAM, ME BL-19900720AD 870 kHz

Daytime

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

Power: 10.0 kW
Graph Maximum: 5000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 24994
Application ID: 150428
CDBS Antenna System ID: 3140

4 Towers
0 Augmentations

Theoretical pattern RMS: 933.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	347.89	366.79	
5	347.32	366.20	
10	356.28	375.57	
15	373.12	393.18	
20	397.10	418.28	
25	428.49	451.14	
30	468.23	492.77	
35	517.70	544.60	
40	578.40	608.22	
45	651.64	685.03	
50	738.34	775.97	
55	838.66	881.22	
60	951.87	1000.01	
65	1076.17	1130.46	
70	1208.68	1269.55	
75	1345.51	1413.18	
80	1481.88	1556.33	
85	1612.41	1693.35	
90	1731.38	1818.25	
95	1833.13	1925.08	
100	1912.42	2008.31	
105	1964.74	2063.25	
110	1986.72	2086.32	
115	1976.30	2075.38	
120	1932.95	2029.87	
125	1857.72	1950.89	
130	1753.19	1841.15	
135	1623.36	1704.86	
140	1473.40	1547.42	
145	1309.34	1375.21	
150	1137.82	1195.17	
155	965.67	1014.50	
160	799.69	840.33	
165	646.43	679.57	
170	512.07	538.70	
175	402.29	423.70	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	321.51	339.22	
185	270.75	286.22	
190	244.59	258.95	
195	232.24	246.11	
200	223.27	236.78	
205	211.41	224.45	
210	194.53	206.94	
215	173.30	184.96	
220	150.10	161.07	
225	128.45	138.90	
230	112.43	122.63	
235	105.88	116.03	
240	110.85	121.04	
245	127.35	137.78	
250	155.03	166.13	
255	194.06	206.45	
260	244.44	258.80	
265	305.14	322.11	
270	373.83	393.93	
275	447.10	470.63	
280	520.74	547.79	
285	590.21	620.61	
290	651.04	684.40	
295	699.27	734.98	
300	731.81	769.12	
305	746.74	784.78	
310	743.51	781.39	
315	722.97	759.84	
320	687.31	722.44	
325	639.88	672.69	
330	584.93	615.07	
335	527.24	554.60	
340	471.78	496.48	
345	423.19	445.58	
350	385.22	405.84	
355	360.05	379.50	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission