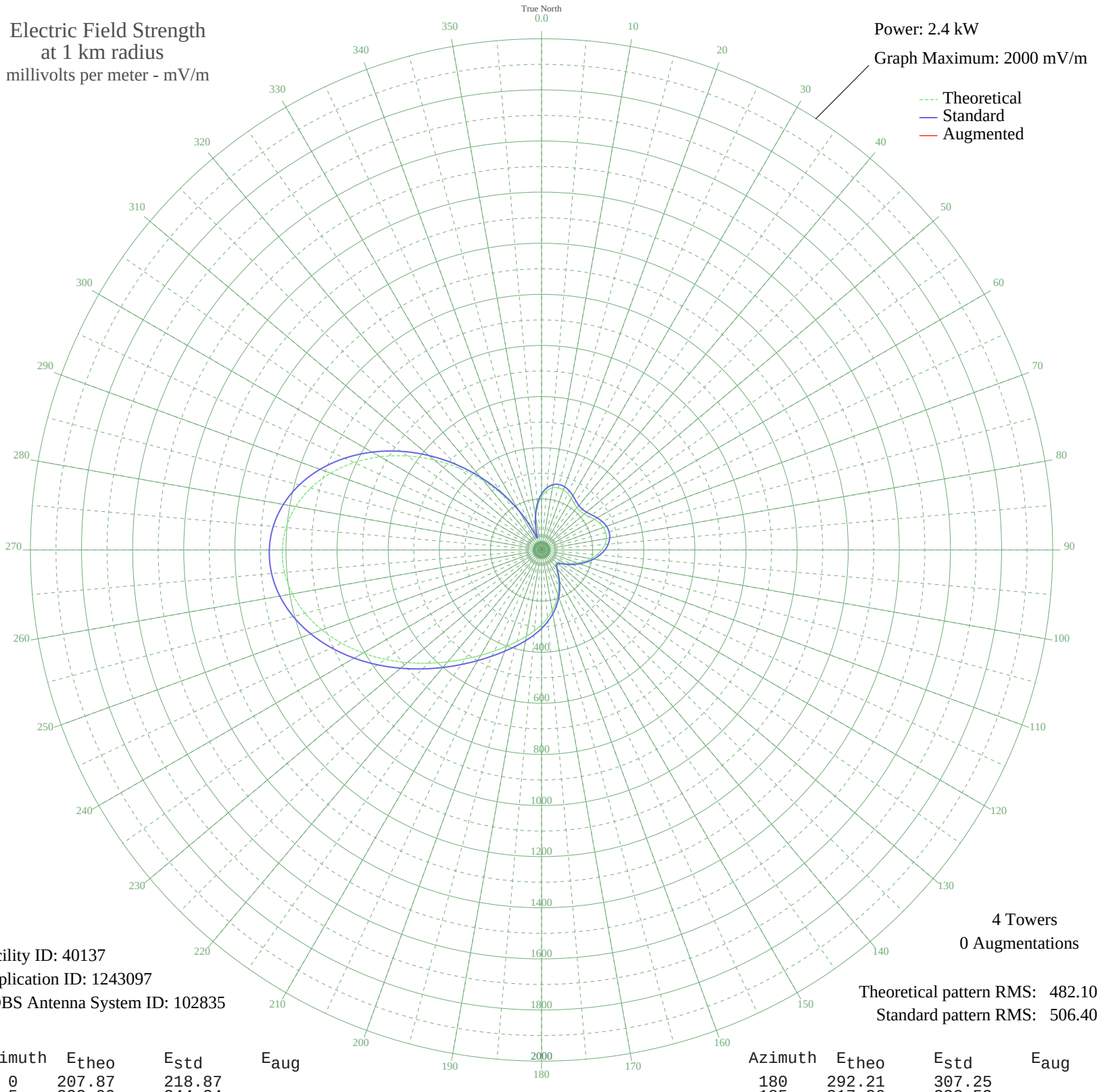
KPIG PIEDMONT, CA BP-20070905AAM 1510 kHz

Nighttime

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



Power: 2.4 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

4 Towers
0 Augmentations

Facility ID: 40137
Application ID: 1243097
CDBS Antenna System ID: 102835

Theoretical pattern RMS: 482.10
Standard pattern RMS: 506.40

Azimuth	E_{theo}	E_{std}	E_{aug}
0	207.87	218.87	
5	232.09	244.24	
10	246.49	259.33	
15	252.02	265.13	
20	250.15	263.16	
25	242.88	255.54	
30	232.74	244.92	
35	222.70	234.40	
40	215.74	227.11	
45	214.11	225.40	
50	218.44	229.94	
55	227.50	239.43	
60	238.78	251.25	
65	249.47	262.45	
70	257.15	270.50	
75	260.11	273.60	
80	257.45	270.81	
85	249.01	261.96	
90	235.27	247.57	
95	217.19	228.63	
100	196.02	206.46	
105	173.07	182.45	
110	149.61	157.93	
115	126.80	134.13	
120	105.85	112.33	
125	88.55	94.39	
130	77.87	83.36	
135	77.42	82.90	
140	88.26	94.09	
145	107.65	114.19	
150	132.06	139.62	
155	158.97	167.70	
160	186.72	196.73	
165	214.29	225.59	
170	241.11	253.69	
175	267.01	280.83	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	292.21	307.25	
185	317.26	333.52	
190	343.05	360.57	
195	370.66	389.54	
200	401.28	421.66	
205	436.01	458.10	
210	475.72	499.77	
215	520.86	547.14	
220	571.38	600.16	
225	626.64	658.17	
230	685.43	719.88	
235	745.98	783.45	
240	806.11	846.57	
245	863.27	906.58	
250	914.78	960.66	
255	957.95	1005.98	
260	990.27	1039.91	
265	1009.62	1060.23	
270	1014.39	1065.23	
275	1003.58	1053.88	
280	976.89	1025.87	
285	934.74	981.61	
290	878.17	922.22	
295	808.83	849.43	
300	728.83	765.44	
305	640.59	672.82	
310	546.77	574.34	
315	450.09	472.88	
320	353.29	371.31	
325	259.04	272.48	
330	170.22	179.47	
335	91.38	97.32	
340	44.81	49.79	
345	78.19	83.69	
350	129.21	136.65	
355	173.44	182.83	

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