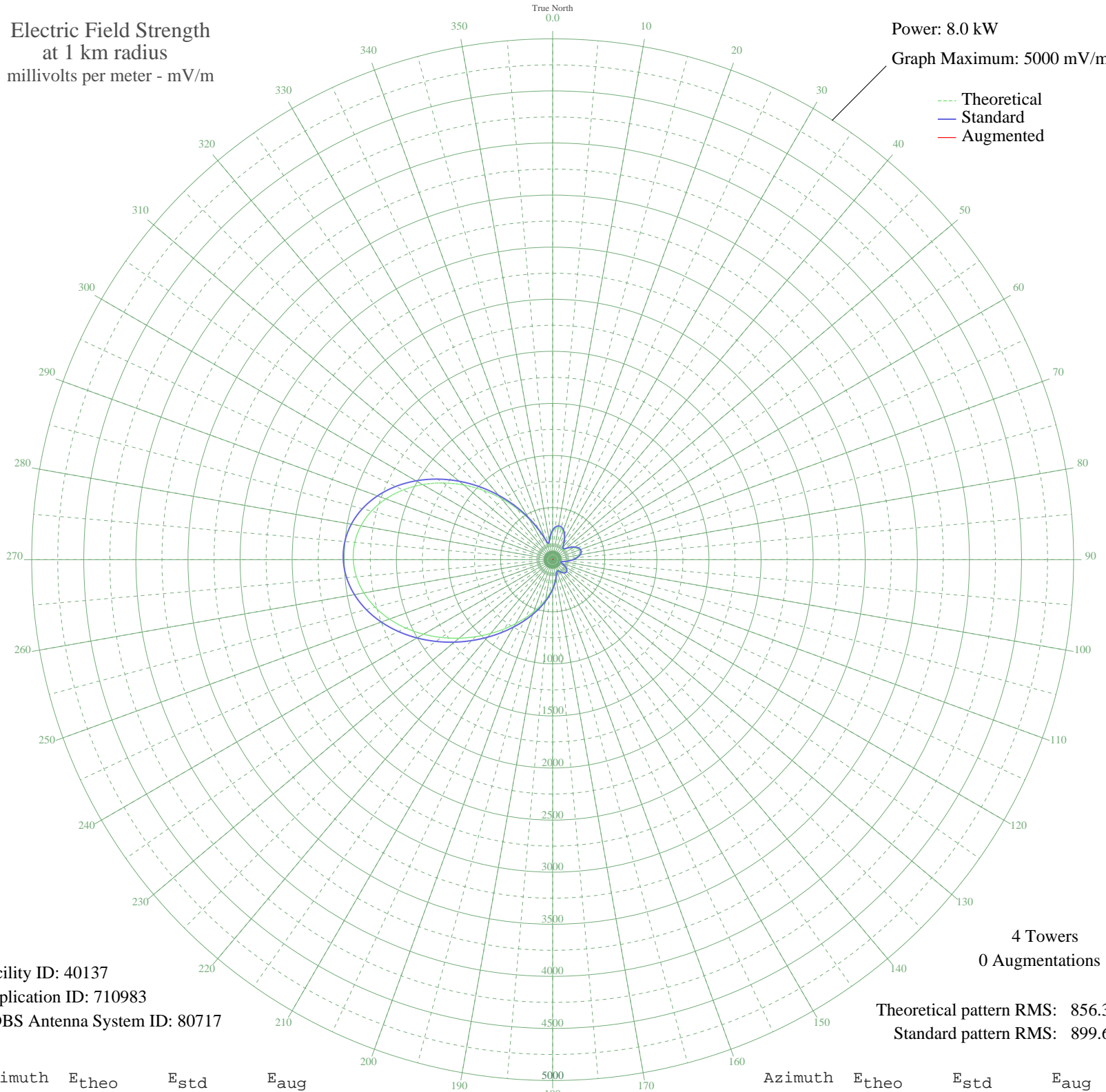


# KPIG PIEDMONT, CA BL-20031128AEW 1510 kHz

Daytime

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

Power: 8.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 40137  
Application ID: 710983  
CDBS Antenna System ID: 80717

4 Towers  
0 Augmentations  
Theoretical pattern RMS: 856.30  
Standard pattern RMS: 899.61

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	269.45	284.48	
5	299.45	315.82	
10	312.20	329.15	
15	307.89	324.65	
20	288.18	304.04	
25	255.95	270.38	
30	215.64	228.37	
35	174.32	185.43	
40	143.64	153.72	
45	138.12	148.03	
50	159.78	170.37	
55	194.50	206.38	
60	228.90	242.17	
65	255.14	269.54	
70	269.00	284.01	
75	268.51	283.50	
80	253.43	267.76	
85	225.07	238.18	
90	186.19	197.74	
95	141.21	151.21	
100	97.49	106.59	
105	70.40	79.67	
110	78.42	87.53	
115	106.96	116.17	
120	135.46	145.30	
125	156.07	166.54	
130	166.24	177.06	
135	165.70	176.50	
140	155.74	166.20	
145	139.13	149.08	
150	120.79	130.26	
155	108.71	117.94	
160	112.49	121.79	
165	135.37	145.21	
170	172.38	183.42	
175	218.10	230.92	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	269.69	284.72	
185	326.30	343.90	
190	388.21	408.70	
195	456.31	480.05	
200	531.78	559.16	
205	615.77	647.24	
210	709.16	745.21	
215	812.32	853.45	
220	924.90	971.60	
225	1045.71	1098.40	
230	1172.59	1231.58	
235	1302.44	1367.89	
240	1431.28	1503.14	
245	1554.47	1632.47	
250	1666.96	1750.56	
255	1763.60	1852.02	
260	1839.56	1931.77	
265	1890.64	1985.39	
270	1913.60	2009.50	
275	1906.42	2001.97	
280	1868.43	1962.08	
285	1800.33	1890.58	
290	1704.17	1789.62	
295	1583.13	1662.55	
300	1441.34	1513.70	
305	1283.61	1348.12	
310	1115.18	1171.31	
315	941.45	988.97	
320	767.87	806.81	
325	599.86	630.56	
330	443.11	466.22	
335	304.79	321.40	
340	197.95	209.96	
345	150.73	161.02	
350	174.63	185.76	
355	224.64	237.73	

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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14 Nov 2009

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Prepared by Audio Division, Media Bureau  
Federal Communications Commission