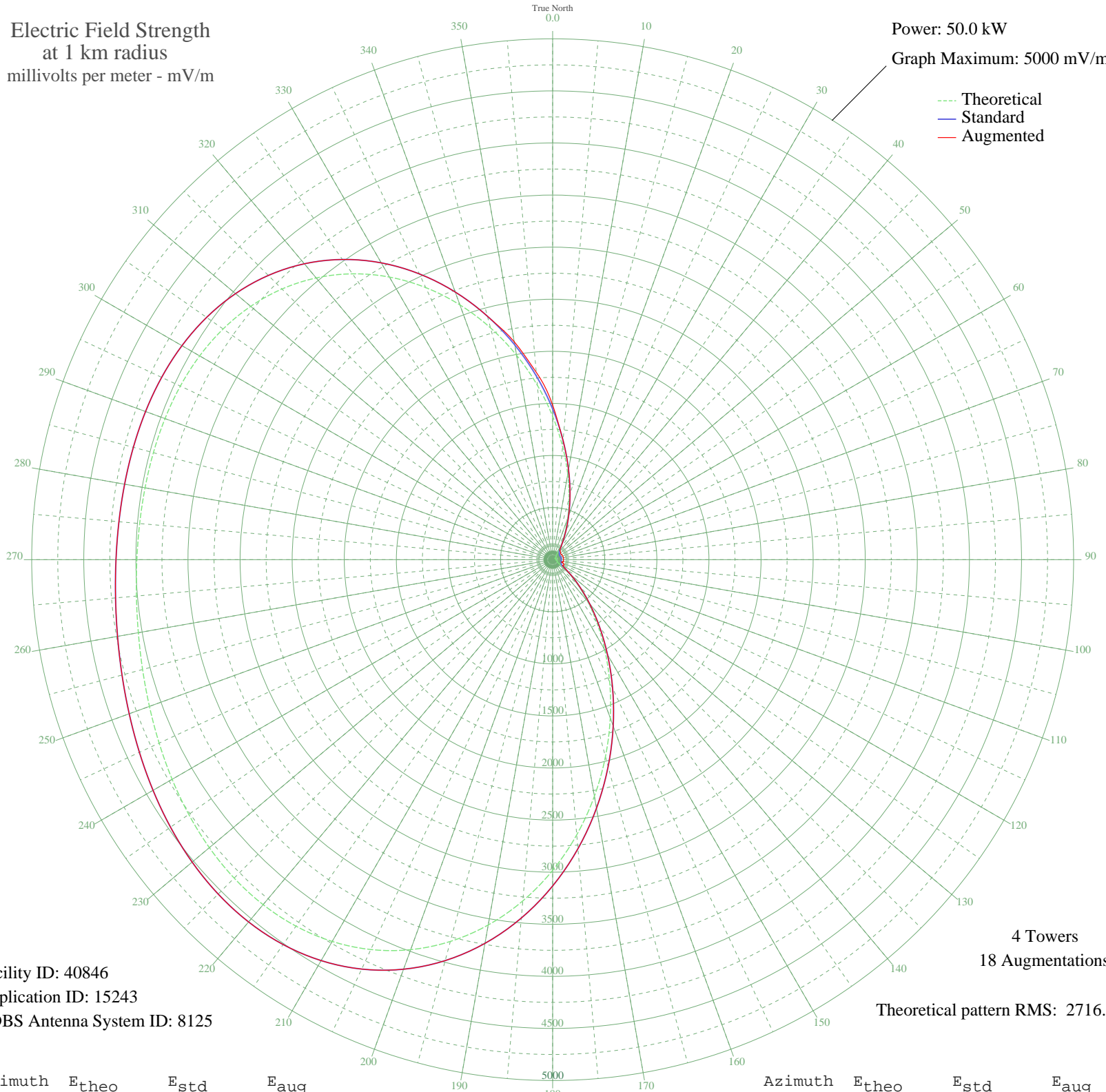


KPNW EUGENE, OR BL-19791128AG 1120 kHz

Unlimited Time

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

Power: 50.0 kW
Graph Maximum: 5000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 40846
Application ID: 15243
CDBS Antenna System ID: 8125

4 Towers
18 Augmentations

Theoretical pattern RMS: 2716.57

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1375.98	1446.68	1484.01
5	1091.03	1147.99	1147.99
10	833.04	877.84	877.84
15	608.36	643.08	643.08
20	421.10	448.35	448.35
25	273.15	296.26	296.26
30	164.54	188.05	188.05
35	94.33	123.79	123.79
40	59.88	97.29	112.65
45	48.57	90.08	105.41
50	41.41	86.04	98.97
55	31.42	81.25	95.76
60	22.53	77.92	98.17
65	23.46	78.23	101.39
70	31.58	81.31	101.39
75	38.23	84.40	104.61
80	39.99	85.30	106.22
85	36.77	83.69	104.61
90	31.38	81.23	104.61
95	29.84	80.59	104.61
100	35.71	83.18	106.22
105	43.68	87.27	87.27
110	47.32	89.34	112.65
115	46.27	88.73	120.70
120	59.07	96.74	111.04
125	111.98	139.06	139.06
130	206.83	229.51	229.51
135	342.82	367.53	367.53
140	520.82	551.88	551.88
145	740.68	781.25	781.25
150	1000.15	1052.78	1052.78
155	1294.52	1361.27	1361.27
160	1616.67	1699.13	1699.13
165	1957.45	2056.67	2056.67
170	2306.22	2422.66	2422.66
175	2651.61	2785.18	2785.18

Azimuth	E _{theo}	E _{std}	E _{aug}
180	2982.42	3132.42	3132.42
185	3288.42	3453.63	3453.63
190	3561.09	3739.88	3739.88
195	3794.19	3984.59	3984.59
200	3984.01	4183.87	4183.87
205	4129.48	4336.59	4336.59
210	4231.95	4444.17	4444.17
215	4294.85	4510.21	4510.21
220	4323.20	4539.97	4539.97
225	4323.05	4539.81	4539.81
230	4300.97	4516.63	4516.63
235	4263.58	4477.37	4477.37
240	4217.12	4428.60	4428.60
245	4167.19	4376.18	4376.18
250	4118.45	4325.01	4325.01
255	4074.54	4278.91	4278.91
260	4037.96	4240.51	4240.51
265	4010.01	4211.16	4211.16
270	3990.74	4190.93	4190.93
275	3978.97	4178.58	4178.58
280	3972.34	4171.62	4171.62
285	3967.29	4166.32	4166.32
290	3959.27	4157.89	4157.89
295	3942.86	4140.67	4140.67
300	3912.10	4108.38	4108.38
305	3860.87	4054.59	4054.59
310	3783.31	3973.17	3973.17
315	3674.39	3858.83	3858.83
320	3530.46	3707.72	3707.72
325	3349.68	3517.95	3517.95
330	3132.50	3289.96	3289.96
335	2881.79	3026.79	3026.79
340	2602.87	2734.03	2734.03
345	2303.25	2419.55	2419.55
350	1992.09	2093.01	2124.33
355	1679.56	1765.10	1805.78

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 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission