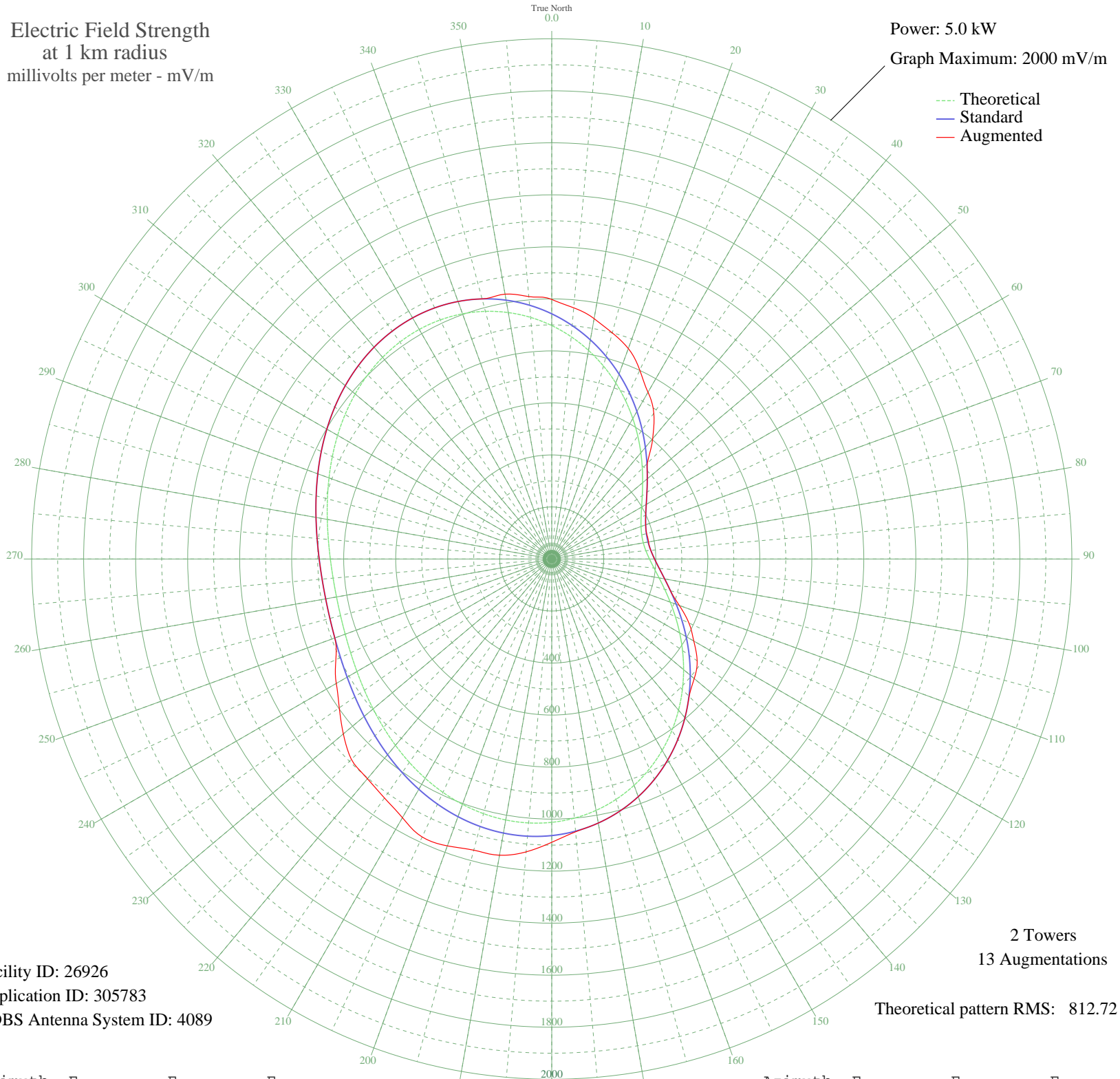


# KCMD PORTLAND, OR BL-- 970 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 26926  
Application ID: 305783  
CDBS Antenna System ID: 4089

2 Towers  
13 Augmentations  
Theoretical pattern RMS: 812.72

Azimuth	Etheo	Estd	Eaug
0	897.44	942.61	997.79
5	857.78	900.98	969.35
10	814.33	855.37	938.25
15	768.08	806.82	899.90
20	720.11	756.47	861.00
25	671.53	705.49	801.09
30	623.45	655.04	740.30
35	576.93	606.24	684.28
40	532.98	560.12	603.85
45	492.48	517.63	519.82
50	456.22	479.61	479.61
55	424.89	446.75	446.75
60	399.04	419.65	419.65
65	379.10	398.75	398.75
70	365.41	384.40	384.40
75	358.18	376.82	377.73
80	357.52	376.13	377.85
85	363.44	382.34	382.34
90	375.86	395.35	395.35
95	394.57	414.96	414.96
100	419.27	440.86	440.86
105	449.54	472.60	472.60
110	484.86	509.65	522.06
115	524.57	551.30	581.93
120	567.91	596.77	630.75
125	613.99	645.12	682.62
130	661.84	695.33	715.20
135	710.40	746.29	747.03
140	758.58	796.86	796.86
145	805.27	845.86	845.86
150	849.37	892.14	892.14
155	889.86	934.65	934.65
160	925.84	972.41	972.41
165	956.55	1004.65	1004.65
170	981.42	1030.75	1030.75
175	1000.09	1050.36	1052.72

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

Azimuth	Etheo	Estd	Eaug
180	1012.44	1063.32	1089.12
185	1018.56	1069.74	1130.27
190	1018.77	1069.96	1156.36
195	1013.59	1064.53	1158.92
200	1003.72	1054.16	1173.64
205	989.97	1039.74	1179.09
210	973.29	1022.22	1148.40
215	954.63	1002.64	1121.60
220	935.00	982.03	1102.80
225	915.34	961.40	1089.58
230	896.58	941.70	1046.17
235	879.53	923.80	997.41
240	864.90	908.45	956.75
245	853.30	896.27	916.01
250	845.16	887.73	887.73
255	840.81	883.16	883.16
260	840.41	882.75	882.75
265	843.98	886.49	886.49
270	851.38	894.26	894.26
275	862.32	905.75	905.75
280	876.39	920.51	920.51
285	893.01	937.95	937.95
290	911.49	957.35	957.35
295	931.04	977.87	977.87
300	950.75	998.56	998.56
305	969.68	1018.44	1018.44
310	986.84	1036.45	1036.45
315	1001.25	1051.57	1051.57
320	1011.97	1062.82	1062.82
325	1018.14	1069.31	1069.31
330	1019.06	1070.27	1070.27
335	1014.15	1065.12	1065.12
340	1003.07	1053.48	1053.48
345	985.65	1035.20	1035.20
350	962.00	1010.37	1033.90
355	932.42	979.32	1012.67