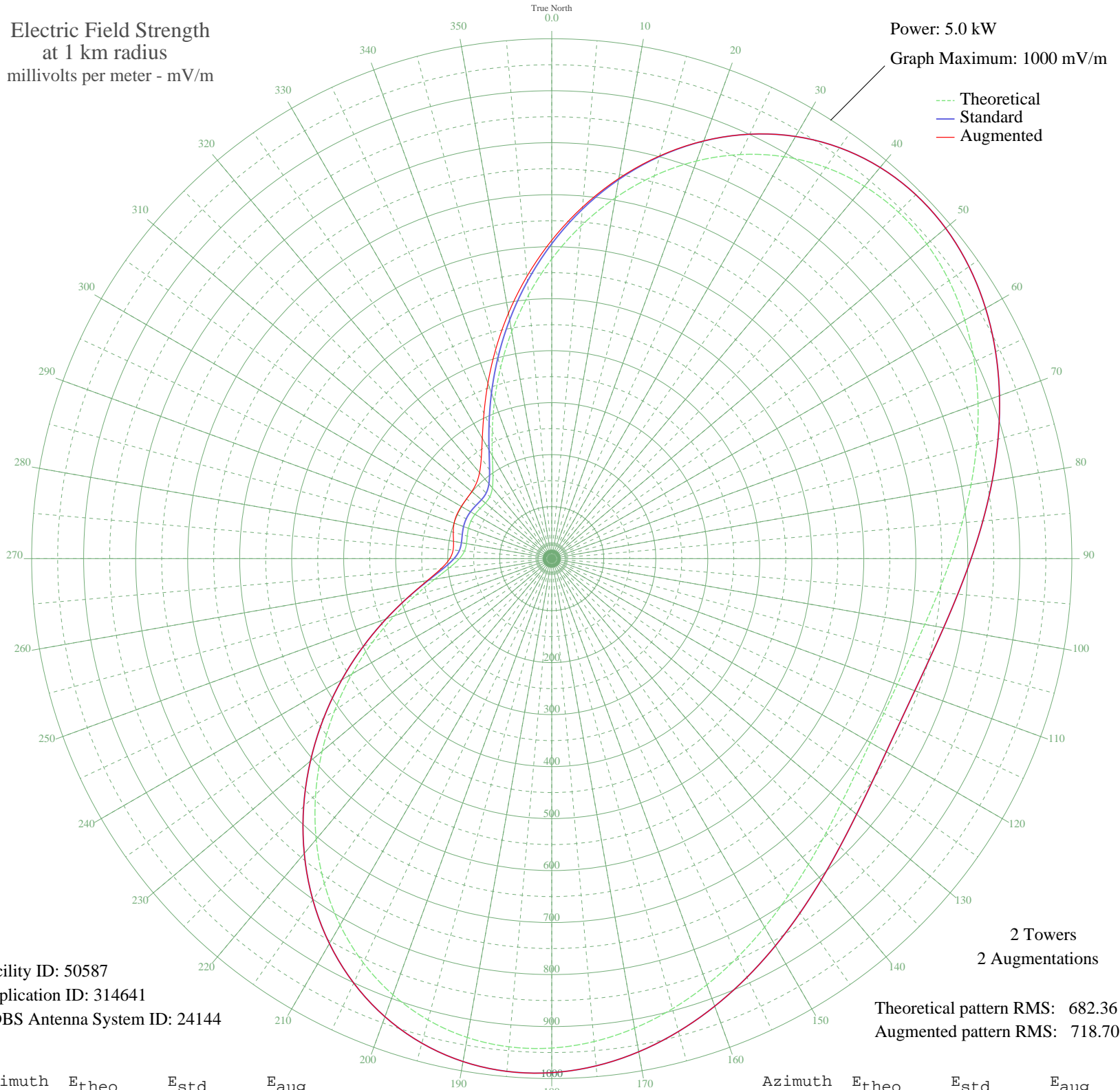


# KOAC CORVALLIS, OR BL-2856 550 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 50587  
Application ID: 314641  
CDBS Antenna System ID: 24144

2 Towers  
2 Augmentations

Theoretical pattern RMS: 682.36  
Augmented pattern RMS: 718.70

Azimuth	Etheo	Estd	Eaug
0	576.37	605.64	612.37
5	642.05	674.56	678.82
10	704.66	740.27	742.62
15	762.46	800.92	801.94
20	813.87	854.88	855.13
25	857.61	900.80	900.80
30	892.74	937.67	937.67
35	918.67	964.89	964.89
40	935.21	982.25	982.25
45	942.58	989.98	989.98
50	941.36	988.70	988.70
55	932.45	979.36	979.36
60	917.04	963.18	963.18
65	896.47	941.59	941.59
70	872.22	916.13	916.13
75	845.78	888.38	888.38
80	818.63	859.88	859.88
85	792.15	832.09	832.09
90	767.58	806.30	806.30
95	746.00	783.65	783.65
100	728.29	765.07	765.07
105	715.15	751.28	751.28
110	707.07	742.80	742.80
115	704.35	739.94	739.94
120	707.07	742.80	742.80
125	715.15	751.28	751.28
130	728.29	765.07	765.07
135	746.00	783.65	783.65
140	767.58	806.30	806.30
145	792.15	832.09	832.09
150	818.63	859.88	859.88
155	845.78	888.38	888.38
160	872.22	916.13	916.13
165	896.47	941.59	941.59
170	917.04	963.18	963.18
175	932.45	979.36	979.36

Azimuth	Etheo	Estd	Eaug
180	941.36	988.70	988.70
185	942.58	989.98	989.98
190	935.21	982.25	982.25
195	918.67	964.89	964.89
200	892.74	937.67	937.67
205	857.61	900.80	900.80
210	813.87	854.88	854.88
215	762.46	800.92	800.92
220	704.66	740.27	740.27
225	642.05	674.56	674.56
230	576.37	605.64	605.64
235	509.52	535.51	535.51
240	443.47	466.24	466.24
245	380.26	399.96	399.96
250	321.94	338.85	338.85
255	270.64	285.14	285.54
260	228.47	241.04	242.87
265	197.20	208.39	212.88
270	177.57	187.92	196.07
275	168.36	178.33	190.38
280	166.46	176.35	191.78
285	168.13	178.09	195.97
290	170.35	180.40	199.72
295	171.28	181.37	201.17
300	170.35	180.40	200.77
305	168.13	178.09	200.10
310	166.46	176.35	200.68
315	168.36	178.33	204.99
320	177.57	187.92	215.97
325	197.20	208.39	236.22
330	228.47	241.04	267.06
335	270.64	285.14	308.36
340	321.94	338.85	358.88
345	380.26	399.96	416.56
350	443.47	466.24	479.29
355	509.52	535.51	545.20

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