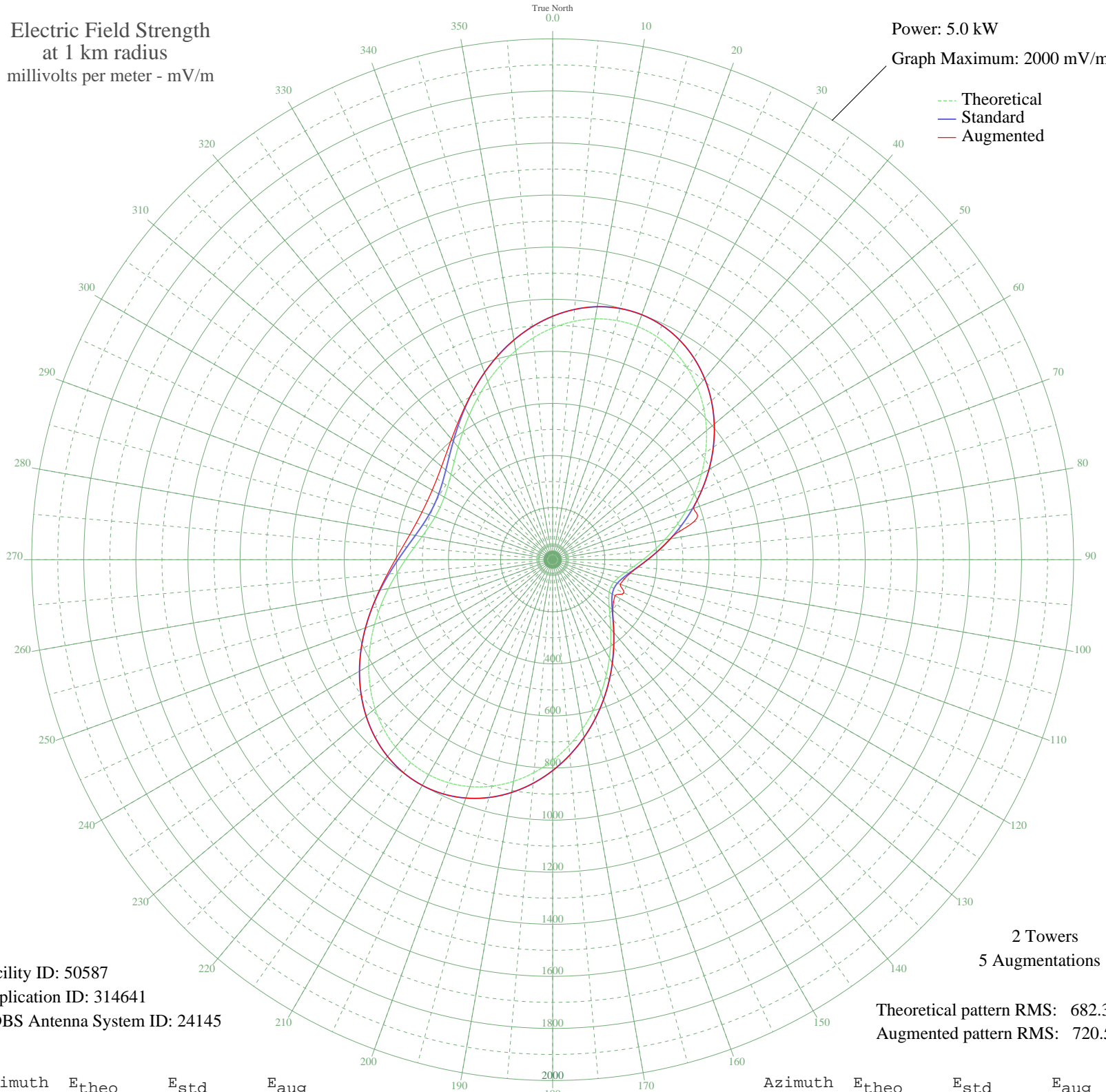


# KOAC CORVALLIS, OR BL-2856 550 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 50587  
Application ID: 314641  
CDBS Antenna System ID: 24145

Theoretical pattern RMS: 682.36  
Augmented pattern RMS: 720.50

Azimuth	Etheo	Estd	Eaug
0	889.86	934.64	934.64
5	918.28	964.48	964.48
10	938.94	986.16	986.16
15	950.75	998.56	998.56
20	952.96	1000.88	1000.88
25	945.18	992.72	992.72
30	927.45	974.10	974.10
35	900.19	945.49	945.49
40	864.22	907.74	907.74
45	820.69	862.05	862.05
50	771.00	809.89	809.89
55	716.76	752.96	752.96
60	659.65	693.03	693.03
65	601.40	631.90	631.90
70	543.68	571.34	576.08
75	488.03	512.97	560.89
80	435.87	458.27	458.27
85	388.41	408.51	408.51
90	346.68	364.77	364.77
95	311.49	327.90	328.49
100	283.50	298.60	302.06
105	263.18	277.34	285.20
110	250.87	264.45	276.30
115	246.74	260.14	301.82
120	250.87	264.45	276.30
125	263.18	277.34	285.20
130	283.50	298.60	302.06
135	311.49	327.90	328.74
140	346.68	364.77	365.62
145	388.41	408.51	408.51
150	435.87	458.27	458.27
155	488.03	512.97	512.97
160	543.68	571.34	571.34
165	601.40	631.90	631.90
170	659.65	693.03	693.03
175	716.76	752.96	752.96

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	771.00	809.89	809.89
185	820.69	862.05	862.05
190	864.22	907.74	907.74
195	900.19	945.49	945.49
200	927.45	974.10	974.10
205	945.18	992.72	992.72
210	952.96	1000.88	1000.88
215	950.75	998.56	998.56
220	938.94	986.16	986.16
225	918.28	964.48	964.48
230	889.86	934.64	934.64
235	855.02	898.08	898.08
240	815.31	856.39	856.39
245	772.36	811.31	811.31
250	727.83	764.59	764.59
255	683.36	717.92	718.57
260	640.46	672.90	675.59
265	600.51	630.98	637.09
270	564.71	593.41	604.11
275	534.07	561.27	577.25
280	509.42	535.40	556.69
285	491.37	516.47	542.33
290	480.36	504.93	533.87
295	476.67	501.05	531.09
300	480.36	504.93	533.87
305	491.37	516.47	542.33
310	509.42	535.40	556.70
315	534.07	561.27	577.25
320	564.71	593.41	604.11
325	600.51	630.98	637.09
330	640.46	672.90	675.59
335	683.36	717.92	718.57
340	727.83	764.59	764.59
345	772.36	811.31	811.31
350	815.31	856.40	856.40
355	855.02	898.08	898.08