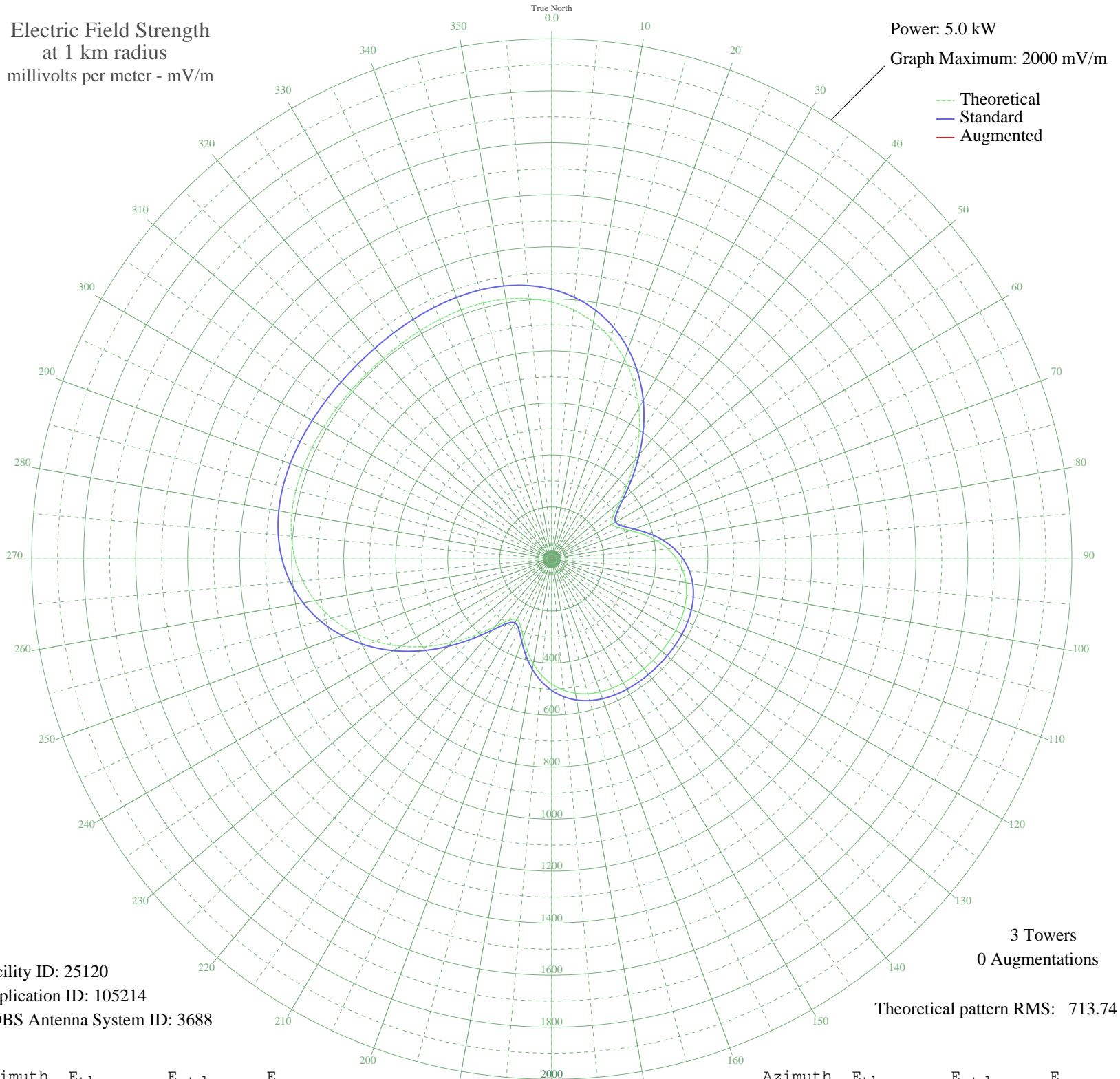


# KSDN ABERDEEN, SD BL-19870915AA 930 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 25120  
Application ID: 105214  
CDBS Antenna System ID: 3688

3 Towers  
0 Augmentations

Theoretical pattern RMS: 713.74

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	987.51	1037.15	
5	961.06	1009.38	
10	924.35	970.85	
15	876.62	920.75	
20	817.76	858.97	
25	748.39	786.16	
30	670.04	703.93	
35	585.27	614.98	
40	497.89	523.31	
45	413.42	434.72	
50	339.84	357.60	
55	288.17	303.49	
60	269.19	283.62	
65	283.73	298.84	
70	320.11	336.93	
75	364.82	383.78	
80	409.05	430.14	
85	448.26	471.26	
90	480.56	505.14	
95	505.56	531.36	
100	523.75	550.43	
105	536.09	563.39	
110	543.80	571.47	
115	548.11	575.99	
120	550.14	578.13	
125	550.88	578.90	
130	551.02	579.05	
135	551.02	579.05	
140	551.02	579.05	
145	550.88	578.90	
150	550.14	578.13	
155	548.11	575.99	
160	543.80	571.47	
165	536.09	563.39	
170	523.75	550.43	
175	505.56	531.36	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	480.56	505.14	
185	448.26	471.26	
190	409.05	430.14	
195	364.82	383.78	
200	320.11	336.93	
205	283.73	298.84	
210	269.19	283.62	
215	288.17	303.49	
220	339.84	357.60	
225	413.42	434.72	
230	497.89	523.31	
235	585.27	614.98	
240	670.04	703.93	
245	748.39	786.16	
250	817.76	858.97	
255	876.62	920.75	
260	924.35	970.85	
265	961.06	1009.38	
270	987.51	1037.15	
275	1004.93	1055.44	
280	1014.86	1065.86	
285	1018.98	1070.19	
290	1019.01	1070.22	
295	1016.57	1067.66	
300	1013.09	1064.01	
305	1009.74	1060.48	
310	1007.37	1058.00	
315	1006.52	1057.11	
320	1007.37	1058.00	
325	1009.74	1060.48	
330	1013.09	1064.01	
335	1016.57	1067.66	
340	1019.01	1070.22	
345	1018.98	1070.19	
350	1014.86	1065.86	
355	1004.93	1055.44	

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