

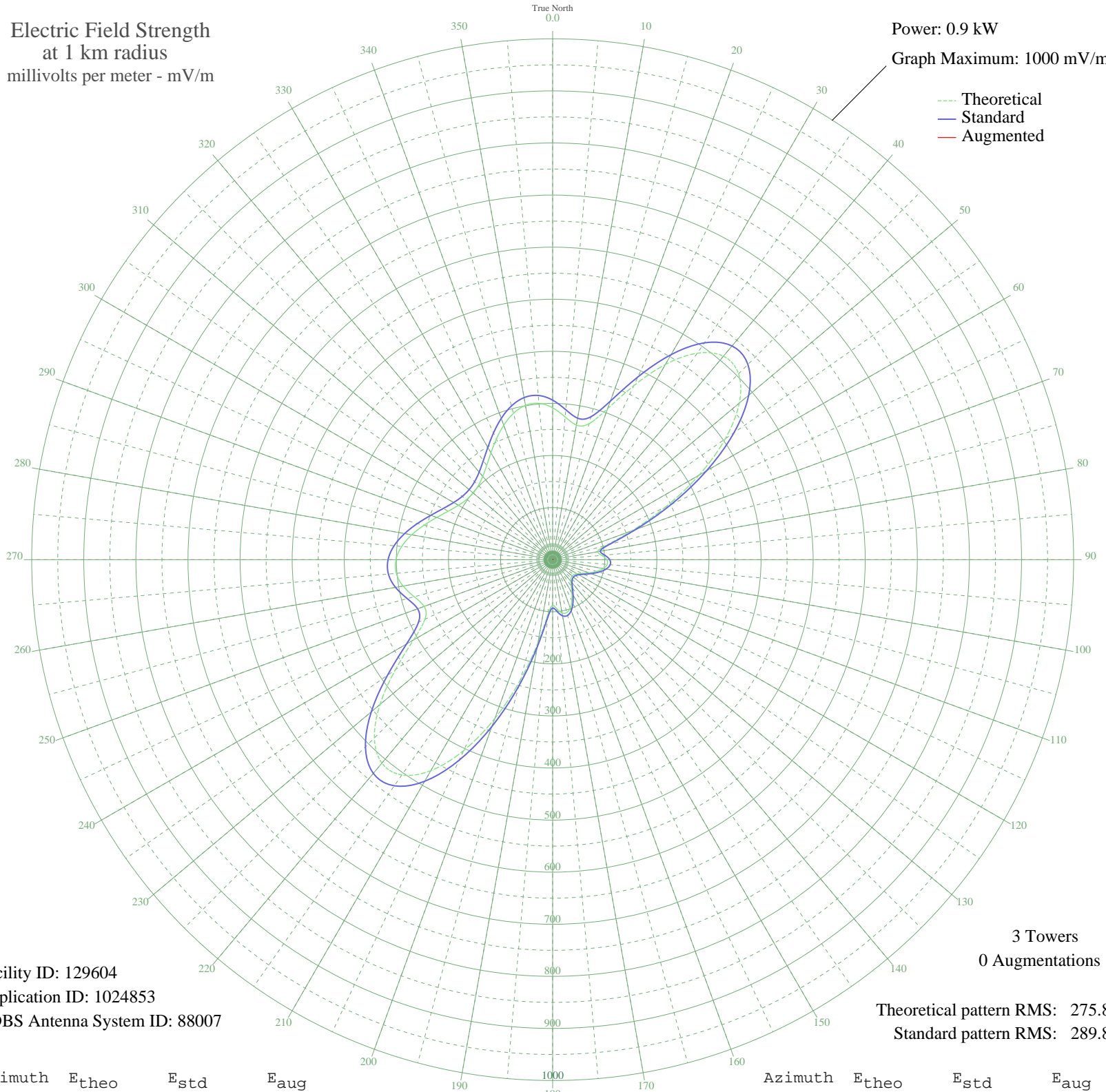
DKJJL PINE BLUFFS, WY BNP-20001023ADJ 540 kHz

Daytime

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

Power: 0.9 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 129604  
Application ID: 1024853  
CDBS Antenna System ID: 88007

3 Towers  
0 Augmentations

Theoretical pattern RMS: 275.83  
Standard pattern RMS: 289.81

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	291.52	306.28	
5	275.03	288.97	
10	262.46	275.78	
15	270.33	284.04	
20	308.37	323.96	
25	368.48	387.04	
30	432.67	454.42	
35	483.89	508.20	
40	509.98	535.59	
45	504.67	530.01	
50	467.78	491.28	
55	404.57	424.92	
60	324.42	340.80	
65	239.09	251.26	
70	161.53	169.93	
75	106.52	112.34	
80	87.67	92.65	
85	94.77	100.06	
90	103.80	109.49	
95	105.16	110.91	
100	98.65	104.12	
105	87.11	92.07	
110	73.99	78.39	
115	62.34	66.29	
120	54.13	57.80	
125	49.76	53.29	
130	48.47	51.96	
135	49.76	53.29	
140	54.13	57.80	
145	62.34	66.29	
150	73.99	78.39	
155	87.11	92.07	
160	98.65	104.12	
165	105.16	110.91	
170	103.79	109.49	
175	94.77	100.06	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	87.67	92.65	
185	106.52	112.34	
190	161.53	169.93	
195	239.09	251.26	
200	324.42	340.80	
205	404.57	424.92	
210	467.77	491.28	
215	504.67	530.01	
220	509.98	535.59	
225	483.89	508.20	
230	432.67	454.42	
235	368.48	387.04	
240	308.37	323.96	
245	270.33	284.04	
250	262.46	275.79	
255	275.03	288.97	
260	291.52	306.28	
265	301.25	316.49	
270	300.72	315.93	
275	290.83	305.55	
280	274.60	288.52	
285	255.55	268.53	
290	236.82	248.89	
295	220.76	232.04	
300	208.77	219.46	
305	201.46	211.79	
310	199.02	209.24	
315	201.46	211.79	
320	208.77	219.46	
325	220.76	232.04	
330	236.82	248.89	
335	255.55	268.53	
340	274.60	288.52	
345	290.83	305.55	
350	300.72	315.93	
355	301.25	316.49	

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission