

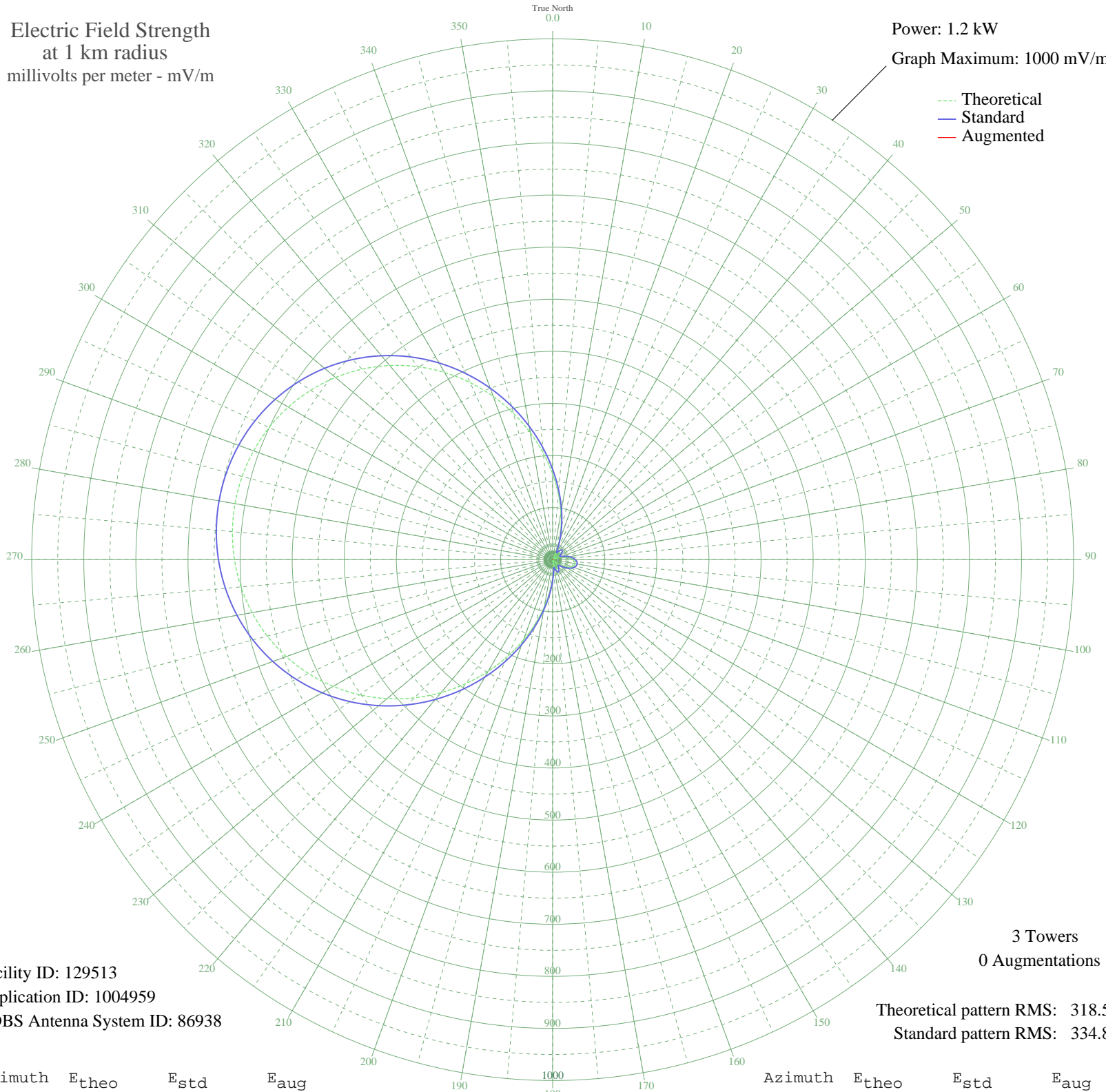
KJMP PIERCE, CO BL-20040709ADS 870 kHz

Daytime

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

Power: 1.2 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 129513  
Application ID: 1004959  
CDBS Antenna System ID: 86938

3 Towers  
0 Augmentations

Theoretical pattern RMS: 318.50  
Standard pattern RMS: 334.80

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	164.50	173.36	
5	126.46	133.61	
10	91.84	97.57	
15	61.34	66.10	
20	35.49	40.12	
25	14.62	21.37	
30	1.43	14.94	
35	12.01	19.50	
40	18.11	24.14	
45	19.99	25.72	
50	18.26	24.26	
55	13.62	20.63	
60	6.84	16.51	
65	1.60	14.96	
70	10.24	18.35	
75	18.97	24.85	
80	27.01	32.02	
85	33.83	38.51	
90	39.01	43.57	
95	42.24	46.78	
100	43.34	47.87	
105	42.24	46.78	
110	39.01	43.57	
115	33.83	38.51	
120	27.01	32.02	
125	18.97	24.85	
130	10.24	18.35	
135	1.60	14.96	
140	6.84	16.51	
145	13.62	20.63	
150	18.26	24.26	
155	19.99	25.72	
160	18.11	24.14	
165	12.01	19.50	
170	1.43	14.94	
175	14.62	21.37	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	35.49	40.12	
185	61.34	66.10	
190	91.84	97.57	
195	126.46	133.61	
200	164.50	173.36	
205	205.14	215.91	
210	247.46	260.26	
215	290.51	305.40	
220	333.35	350.33	
225	375.10	394.14	
230	414.98	435.98	
235	452.31	475.16	
240	486.53	511.08	
245	517.24	543.31	
250	544.13	571.53	
255	567.02	595.55	
260	585.78	615.25	
265	600.37	630.57	
270	610.78	641.50	
275	617.02	648.05	
280	619.10	650.23	
285	617.02	648.05	
290	610.78	641.50	
295	600.37	630.57	
300	585.78	615.25	
305	567.02	595.55	
310	544.13	571.53	
315	517.24	543.31	
320	486.53	511.08	
325	452.31	475.16	
330	414.98	435.98	
335	375.10	394.14	
340	333.35	350.33	
345	290.51	305.40	
350	247.46	260.26	
355	205.14	215.91	

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