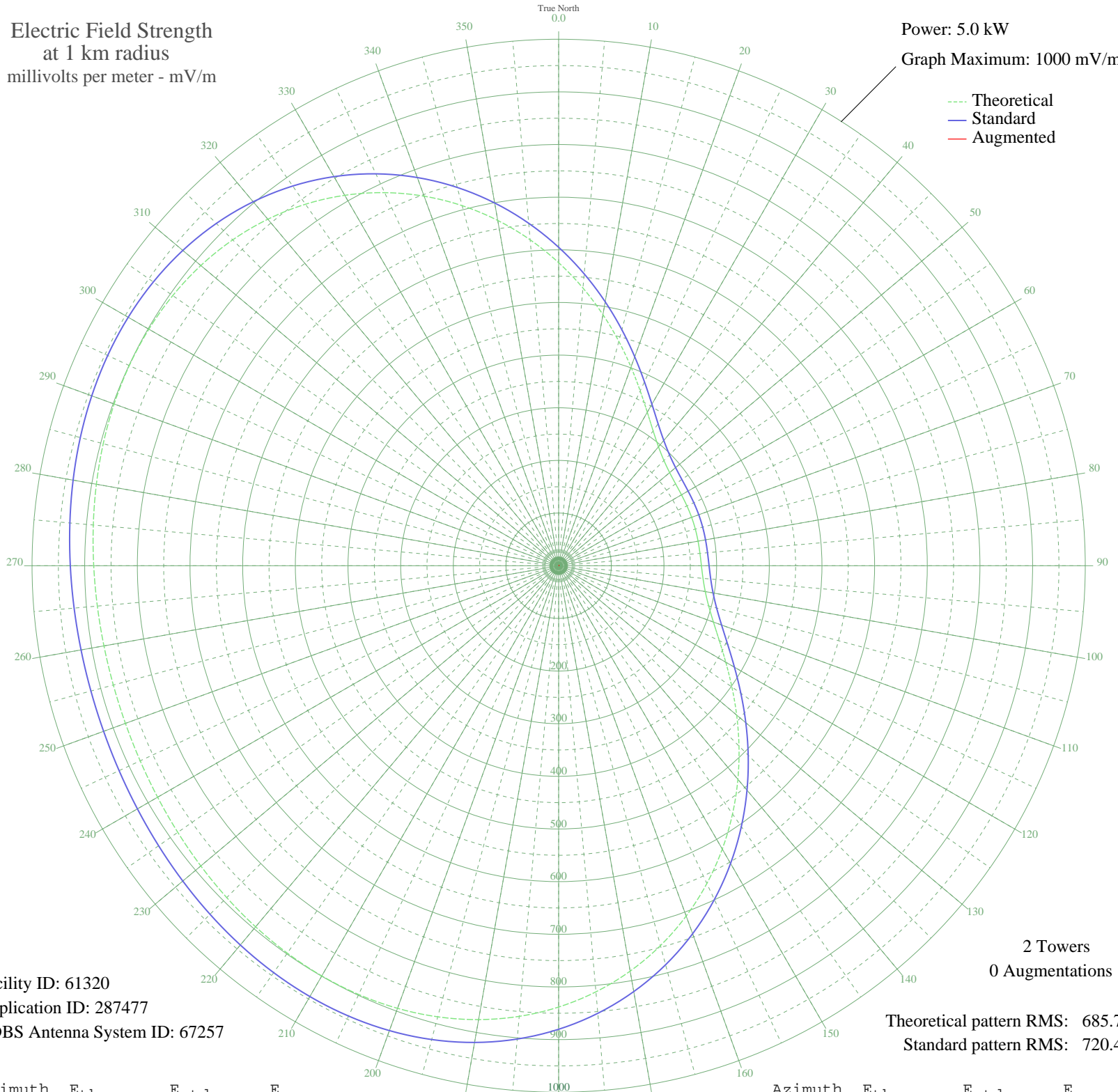


# KKLS RAPID CITY, SD BL-19990729DE 920 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 61320  
Application ID: 287477  
CDBS Antenna System ID: 67257

2 Towers  
0 Augmentations

Theoretical pattern RMS: 685.76  
Standard pattern RMS: 720.43

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	575.60	604.83	
5	529.48	556.45	
10	484.30	509.05	
15	441.27	463.93	
20	401.61	422.35	
25	366.43	385.47	
30	336.63	354.24	
35	312.78	329.25	
40	294.95	310.59	
45	282.72	297.78	
50	275.17	289.88	
55	271.12	285.64	
60	269.34	283.78	
65	268.79	283.21	
70	268.71	283.12	
75	268.71	283.12	
80	268.79	283.21	
85	269.34	283.78	
90	271.12	285.64	
95	275.17	289.88	
100	282.72	297.78	
105	294.95	310.59	
110	312.78	329.25	
115	336.63	354.24	
120	366.43	385.47	
125	401.61	422.35	
130	441.27	463.93	
135	484.29	509.05	
140	529.48	556.45	
145	575.60	604.83	
150	621.45	652.95	
155	665.94	699.63	
160	708.05	743.82	
165	746.93	784.62	
170	781.88	821.31	
175	812.41	853.35	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	838.20	880.42	
185	859.14	902.41	
190	875.33	919.40	
195	887.01	931.65	
200	894.58	939.60	
205	898.57	943.79	
210	899.58	944.85	
215	898.28	943.48	
220	895.32	940.38	
225	891.38	936.24	
230	887.05	931.70	
235	882.90	927.34	
240	879.36	923.63	
245	876.80	920.94	
250	875.46	919.54	
255	875.46	919.54	
260	876.80	920.94	
265	879.36	923.63	
270	882.90	927.34	
275	887.05	931.70	
280	891.38	936.24	
285	895.32	940.38	
290	898.28	943.48	
295	899.58	944.85	
300	898.57	943.79	
305	894.58	939.60	
310	887.01	931.65	
315	875.33	919.40	
320	859.14	902.41	
325	838.20	880.42	
330	812.41	853.35	
335	781.88	821.31	
340	746.93	784.62	
345	708.05	743.82	
350	665.94	699.63	
355	621.45	652.95	

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