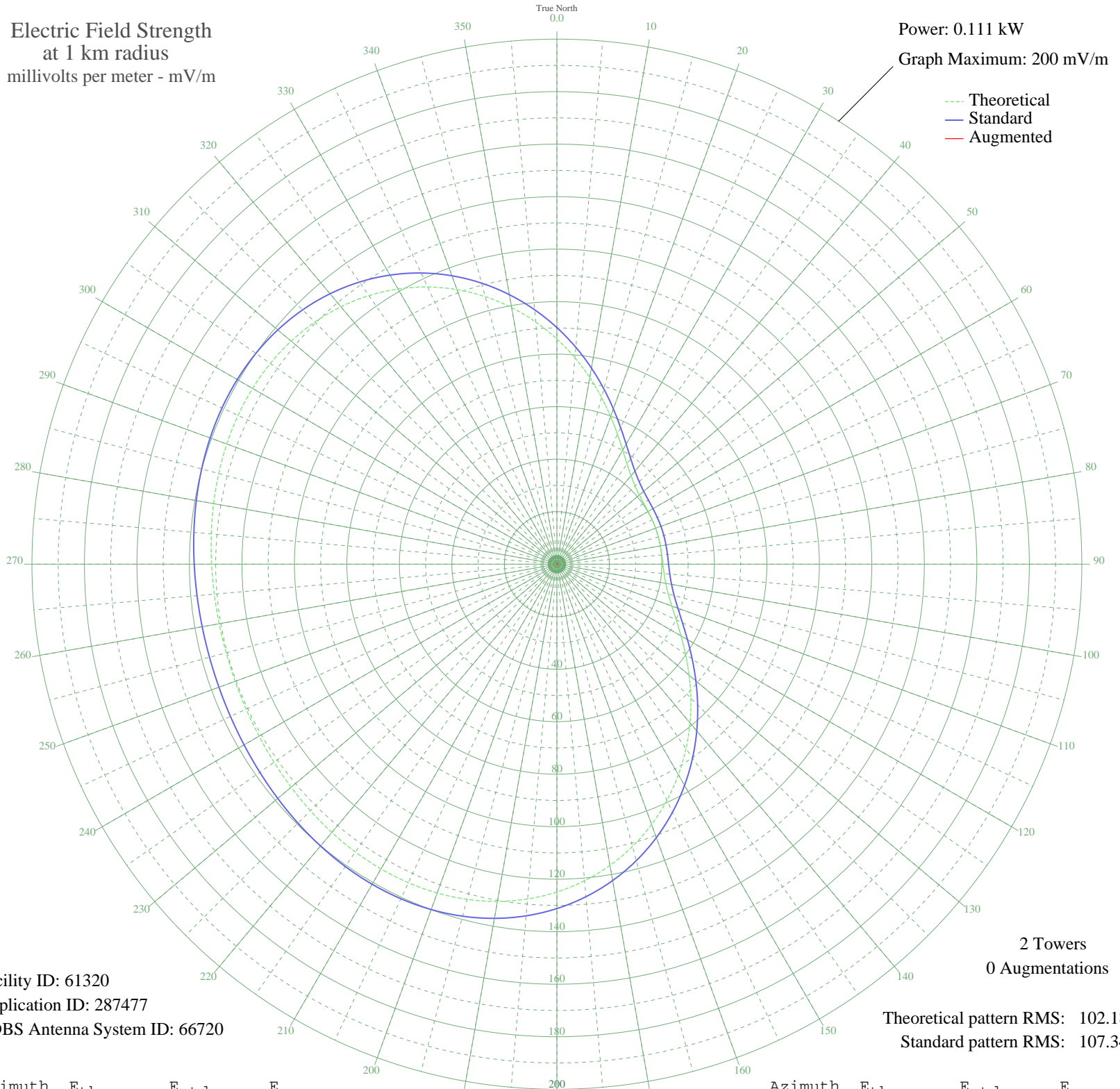


# KKLS RAPID CITY, SD BL-19990729DE 920 kHz

Nighttime

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

Power: 0.111 kW  
Graph Maximum: 200 mV/m



Facility ID: 61320  
Application ID: 287477  
CDBS Antenna System ID: 66720

2 Towers  
0 Augmentations

Theoretical pattern RMS: 102.18  
Standard pattern RMS: 107.34

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	85.77	90.12	
5	78.89	82.91	
10	72.16	75.85	
15	65.75	69.13	
20	59.84	62.93	
25	54.60	57.44	
30	50.16	52.78	
35	46.60	49.06	
40	43.95	46.28	
45	42.13	44.37	
50	41.00	43.19	
55	40.40	42.56	
60	40.13	42.28	
65	40.05	42.20	
70	40.04	42.19	
75	40.04	42.19	
80	40.05	42.20	
85	40.13	42.28	
90	40.40	42.56	
95	41.00	43.19	
100	42.13	44.37	
105	43.95	46.28	
110	46.60	49.06	
115	50.16	52.78	
120	54.60	57.44	
125	59.84	62.93	
130	65.75	69.13	
135	72.16	75.85	
140	78.89	82.91	
145	85.77	90.12	
150	92.60	97.29	
155	99.23	104.25	
160	105.50	110.83	
165	111.29	116.91	
170	116.50	122.38	
175	121.05	127.15	

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	124.89	131.18	
185	128.01	134.46	
190	130.43	136.99	
195	132.17	138.82	
200	133.29	140.00	
205	133.89	140.63	
210	134.04	140.79	
215	133.85	140.58	
220	133.41	140.12	
225	132.82	139.50	
230	132.17	138.83	
235	131.55	138.18	
240	131.03	137.62	
245	130.65	137.22	
250	130.45	137.01	
255	130.45	137.01	
260	130.65	137.22	
265	131.03	137.62	
270	131.55	138.18	
275	132.17	138.83	
280	132.82	139.50	
285	133.41	140.12	
290	133.85	140.58	
295	134.04	140.79	
300	133.89	140.63	
305	133.29	140.00	
310	132.17	138.82	
315	130.43	136.99	
320	128.01	134.46	
325	124.89	131.18	
330	121.05	127.15	
335	116.50	122.38	
340	111.29	116.91	
345	105.50	110.83	
350	99.23	104.25	
355	92.60	97.29	