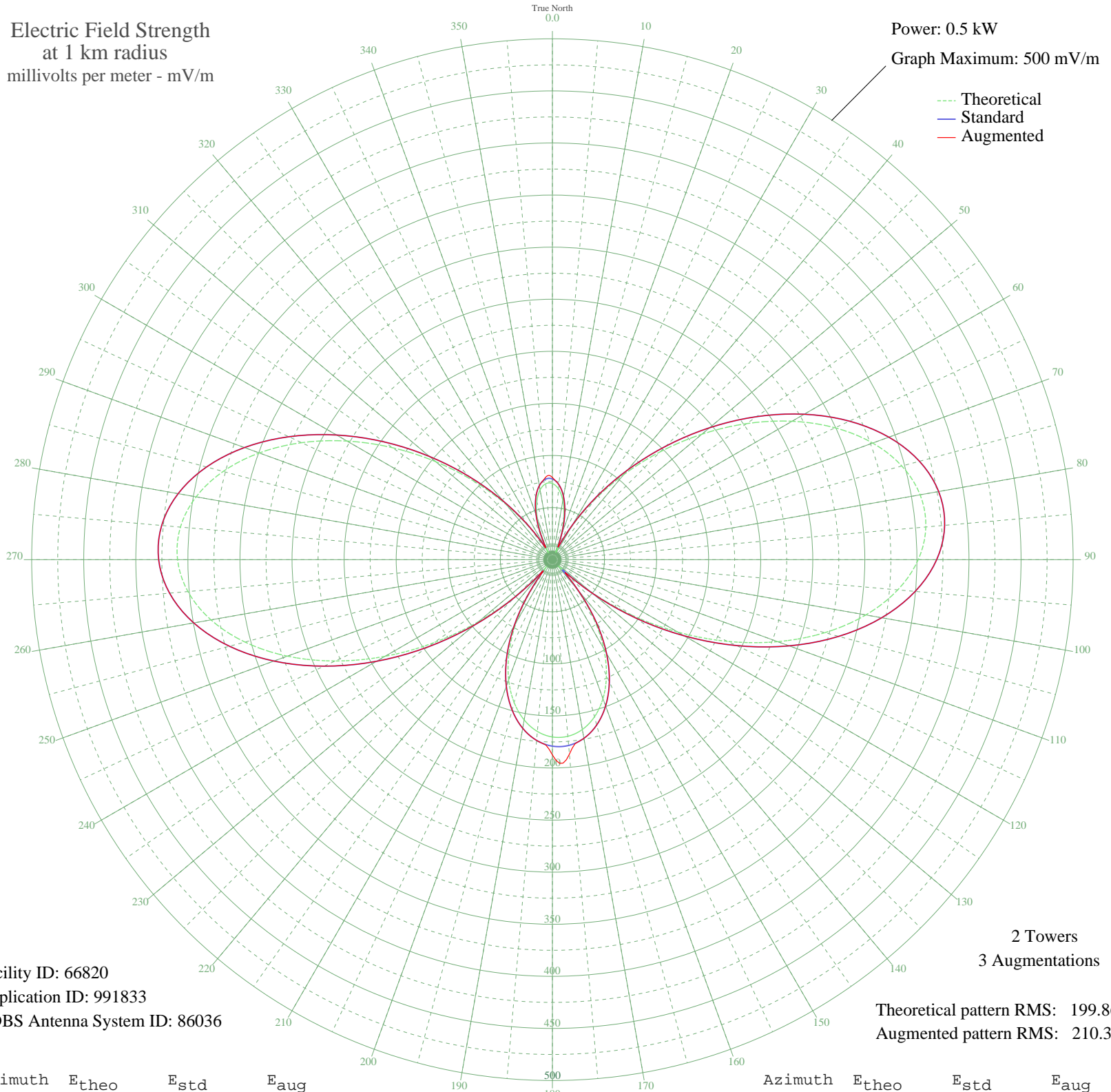


# KIMM RAPID CITY, SD BML-20040416ADH 1150 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 66820  
Application ID: 991833  
CDBS Antenna System ID: 86036

Theoretical pattern RMS: 199.86  
Augmented pattern RMS: 210.34

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	73.14	77.51	78.95
5	68.01	72.18	72.18
10	57.75	61.54	61.54
15	42.45	45.79	45.79
20	22.47	25.83	25.83
25	8.51	13.79	13.79
30	35.19	38.41	38.41
35	69.07	73.27	73.27
40	106.56	112.38	112.38
45	146.44	154.13	154.13
50	187.36	197.01	197.01
55	227.71	239.33	239.33
60	265.72	279.20	279.20
65	299.51	314.66	314.66
70	327.27	343.80	343.80
75	347.38	364.90	364.90
80	358.54	376.61	376.61
85	359.93	378.08	378.08
90	351.28	368.99	368.99
95	332.89	349.69	349.69
100	305.62	321.08	321.08
105	270.82	284.56	284.56
110	230.18	241.92	241.92
115	185.59	195.16	195.16
120	139.01	146.34	146.34
125	92.30	97.48	97.48
130	47.23	50.69	50.69
135	8.42	13.72	17.45
140	35.44	38.67	38.71
145	69.32	73.54	73.54
150	98.56	104.02	104.02
155	122.79	129.36	129.36
160	141.97	149.44	149.44
165	156.19	164.33	164.33
170	165.56	174.16	174.16
175	170.22	179.03	187.42

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	170.22	179.03	187.42
185	165.56	174.16	174.16
190	156.19	164.33	164.33
195	141.97	149.44	149.44
200	122.79	129.36	129.36
205	98.56	104.02	104.02
210	69.32	73.54	73.54
215	35.44	38.67	38.67
220	8.42	13.72	13.72
225	47.23	50.69	50.69
230	92.30	97.48	97.48
235	139.01	146.34	146.34
240	185.59	195.16	195.16
245	230.18	241.92	241.92
250	270.82	284.56	284.56
255	305.62	321.08	321.08
260	332.89	349.69	349.69
265	351.28	368.99	368.99
270	359.93	378.08	378.08
275	358.54	376.61	376.61
280	347.38	364.90	364.90
285	327.27	343.80	343.80
290	299.51	314.66	314.66
295	265.72	279.20	279.20
300	227.71	239.33	239.33
305	187.36	197.01	197.01
310	146.44	154.13	154.13
315	106.56	112.38	112.38
320	69.07	73.27	73.27
325	35.19	38.41	38.41
330	8.51	13.79	13.79
335	22.47	25.83	25.83
340	42.45	45.79	45.79
345	57.75	61.54	61.54
350	68.01	72.18	72.18
355	73.14	77.51	78.95