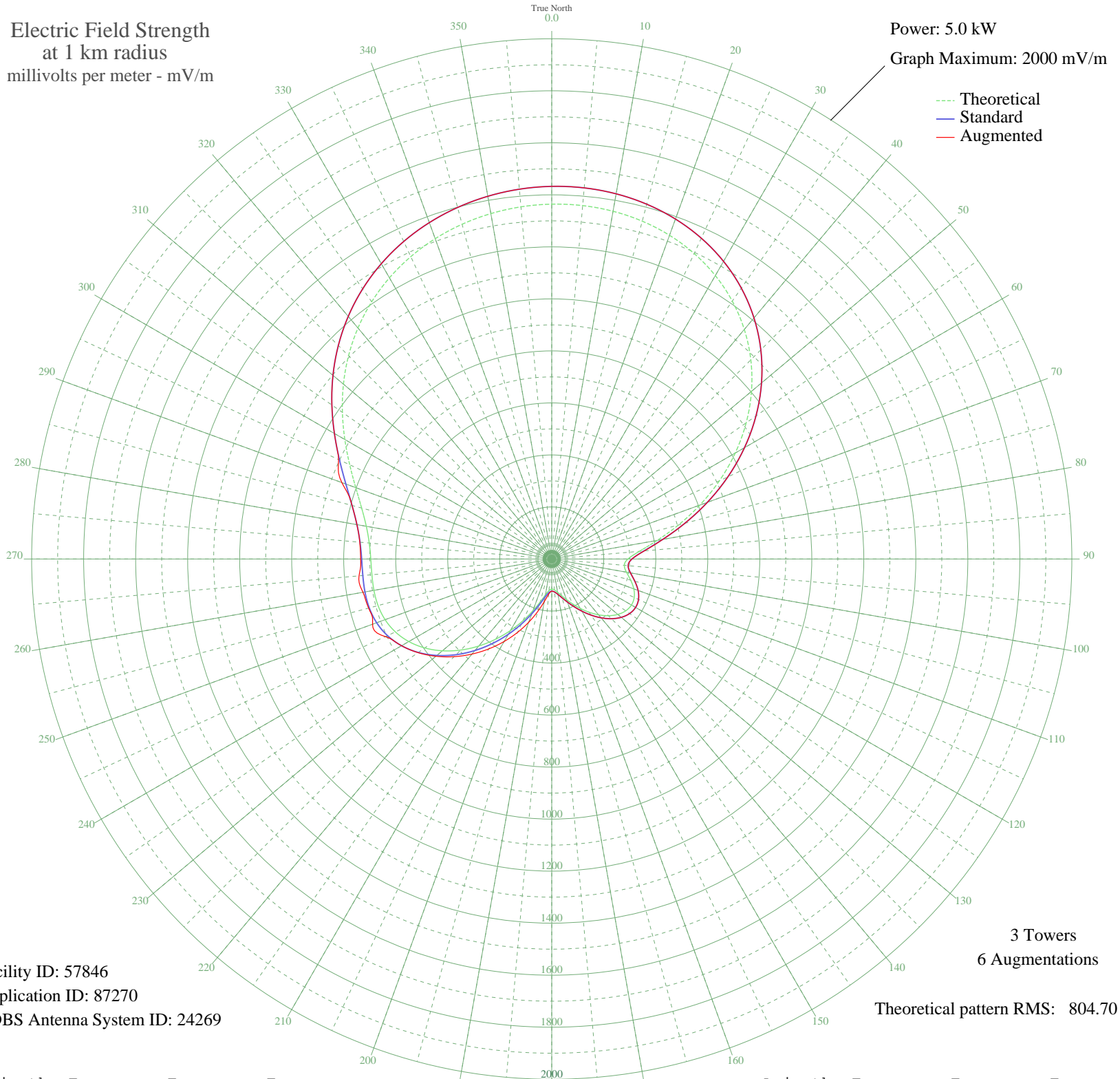


# WNAX YANKTON, SD BL-19860411AI 570 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 57846  
Application ID: 87270  
CDBS Antenna System ID: 24269

3 Towers  
6 Augmentations

Theoretical pattern RMS: 804.70

Azimuth	Etheo	Estd	Eaug
0	1364.18	1432.58	1432.58
5	1363.81	1432.20	1432.20
10	1357.49	1425.56	1425.56
15	1344.61	1412.04	1412.04
20	1324.37	1390.79	1390.79
25	1295.87	1360.87	1360.87
30	1258.17	1321.28	1321.28
35	1210.42	1271.16	1271.16
40	1152.01	1209.84	1209.84
45	1082.66	1137.04	1137.04
50	1002.62	1053.02	1053.02
55	912.79	958.72	958.72
60	814.84	855.90	855.90
65	711.37	747.31	747.31
70	606.07	636.81	636.81
75	503.95	529.67	529.67
80	411.75	432.98	433.59
85	338.27	355.96	357.37
90	293.01	308.55	308.55
95	280.03	294.97	294.97
100	291.80	307.29	307.29
105	314.23	330.78	330.78
110	335.77	353.34	353.34
115	349.90	368.15	368.15
120	353.90	372.34	372.34
125	347.42	365.54	365.54
130	331.57	348.94	348.94
135	308.35	324.62	324.62
140	280.20	295.15	295.15
145	249.70	263.24	263.24
150	219.27	231.43	231.43
155	190.94	201.86	201.86
160	166.16	176.04	176.04
165	145.68	154.76	154.76
170	129.87	138.37	138.37
175	119.32	127.47	127.47

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	115.69	123.72	123.72
185	121.80	130.03	135.67
190	140.03	148.89	166.62
195	170.61	180.68	209.36
200	211.95	223.78	258.57
205	261.72	275.81	311.36
210	317.48	334.17	366.13
215	376.70	396.23	421.75
220	436.79	459.23	477.15
225	495.09	520.38	531.02
230	549.02	576.95	581.78
235	596.21	626.46	627.65
240	634.74	666.89	666.89
245	663.41	696.98	706.05
250	682.00	716.49	733.36
255	691.50	726.45	729.08
260	694.29	729.39	737.06
265	694.15	729.24	743.91
270	695.87	731.04	734.88
275	704.48	740.08	741.03
280	724.12	760.69	760.69
285	756.81	794.99	794.99
290	802.05	842.48	858.94
295	857.27	900.44	904.47
300	918.77	964.99	964.99
305	982.68	1032.08	1032.08
310	1045.65	1098.18	1098.18
315	1105.09	1160.58	1160.58
320	1159.24	1217.43	1217.43
325	1207.08	1267.65	1267.65
330	1248.19	1310.81	1310.81
335	1282.56	1346.89	1346.89
340	1310.47	1376.19	1376.19
345	1332.28	1399.10	1399.10
350	1348.37	1415.98	1415.98
355	1358.98	1427.12	1427.12