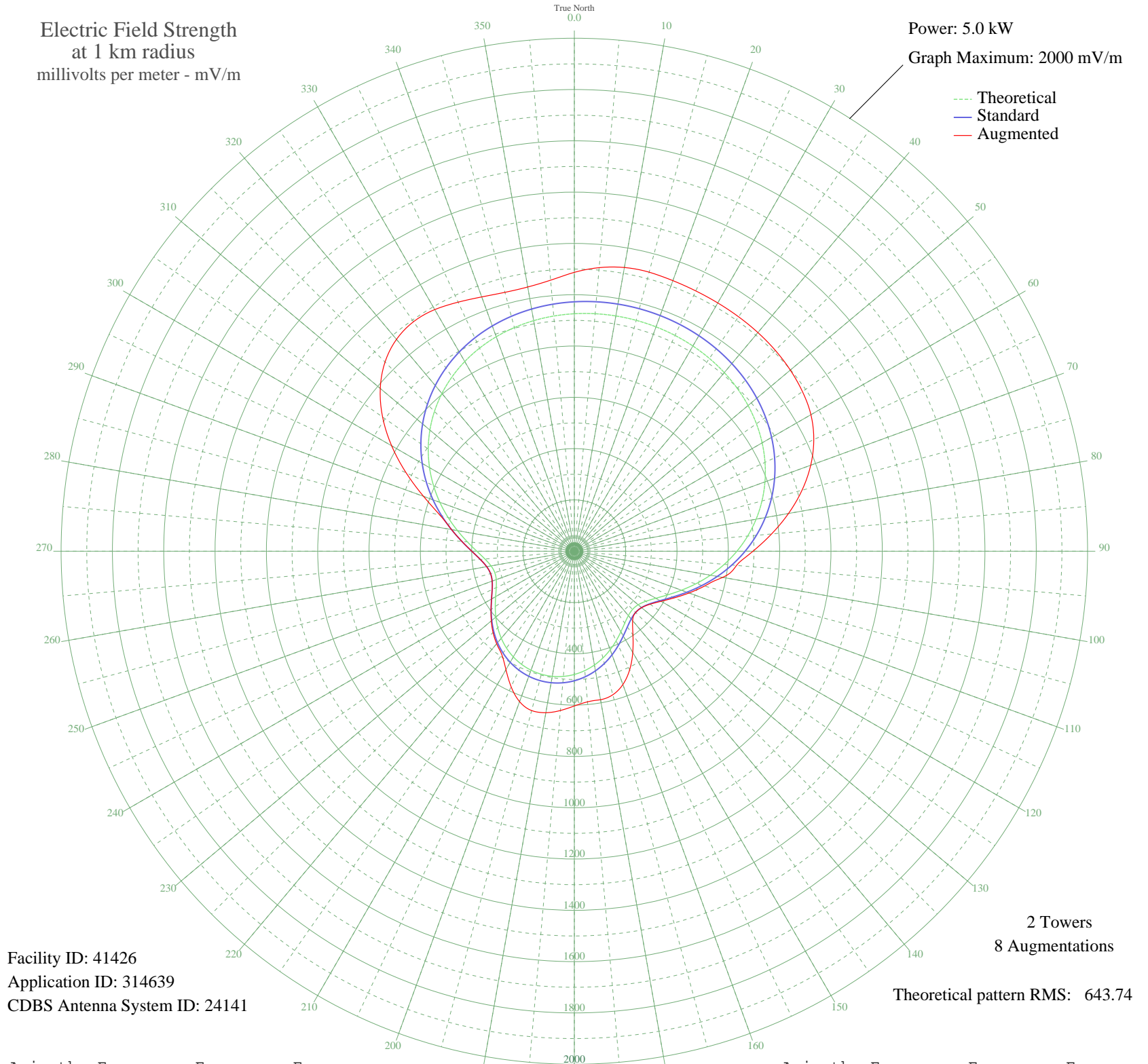


# KFYR BISMARCK, ND BL-- 550 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 41426  
Application ID: 314639  
CDBS Antenna System ID: 24141

2 Towers  
8 Augmentations  
Theoretical pattern RMS: 643.74

Azimuth	Etheo	Estd	Eaug
0	925.87	972.44	1087.28
5	929.48	976.24	1109.80
10	931.45	978.30	1123.17
15	931.90	978.77	1126.33
20	930.85	977.67	1122.64
25	928.24	974.94	1119.80
30	923.92	970.40	1117.77
35	917.64	963.80	1115.82
40	909.10	954.84	1112.83
45	897.94	943.13	1107.53
50	883.79	928.28	1098.65
55	866.28	909.89	1085.13
60	845.05	887.62	1064.55
65	819.85	861.16	1029.52
70	790.48	830.34	980.25
75	756.93	795.12	918.56
80	719.31	755.64	847.49
85	677.96	712.25	771.41
90	633.43	665.52	696.13
95	586.53	616.31	634.45
100	538.36	565.76	587.11
105	490.33	515.38	525.10
110	444.22	467.03	475.87
115	402.19	422.95	430.04
120	366.70	385.75	390.46
125	340.22	358.01	360.27
130	324.73	341.77	342.26
135	320.87	337.73	337.73
140	327.58	344.76	353.40
145	342.47	360.35	398.15
150	362.63	381.49	455.32
155	385.39	405.34	510.12
160	408.59	429.66	553.09
165	430.64	452.78	579.36
170	450.42	473.53	587.82
175	467.19	491.11	589.45

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	480.44	505.01	603.37
185	489.84	514.87	623.34
190	495.22	520.51	639.26
195	496.46	521.81	643.17
200	493.56	518.77	624.05
205	486.56	511.42	582.98
210	475.59	499.92	533.03
215	460.88	484.50	492.48
220	442.84	465.57	470.96
225	422.03	443.76	448.07
230	399.37	419.99	422.48
235	376.13	395.63	396.37
240	354.11	372.56	372.56
245	335.71	353.28	353.28
250	323.76	340.75	340.75
255	321.05	337.91	337.91
260	329.53	346.81	346.81
265	349.58	367.81	367.81
270	379.95	399.63	399.63
275	418.36	439.91	439.91
280	462.31	485.99	485.99
285	509.42	535.40	541.82
290	557.70	586.05	625.36
295	605.51	636.22	723.28
300	651.58	684.56	822.08
305	694.92	730.04	912.21
310	734.83	771.93	987.25
315	770.85	809.73	1043.22
320	802.73	843.20	1078.26
325	830.42	872.26	1092.46
330	854.01	897.01	1087.85
335	873.71	917.70	1071.41
340	889.84	934.62	1055.05
345	902.74	948.17	1044.93
350	912.81	958.73	1045.97
355	920.40	966.71	1060.75