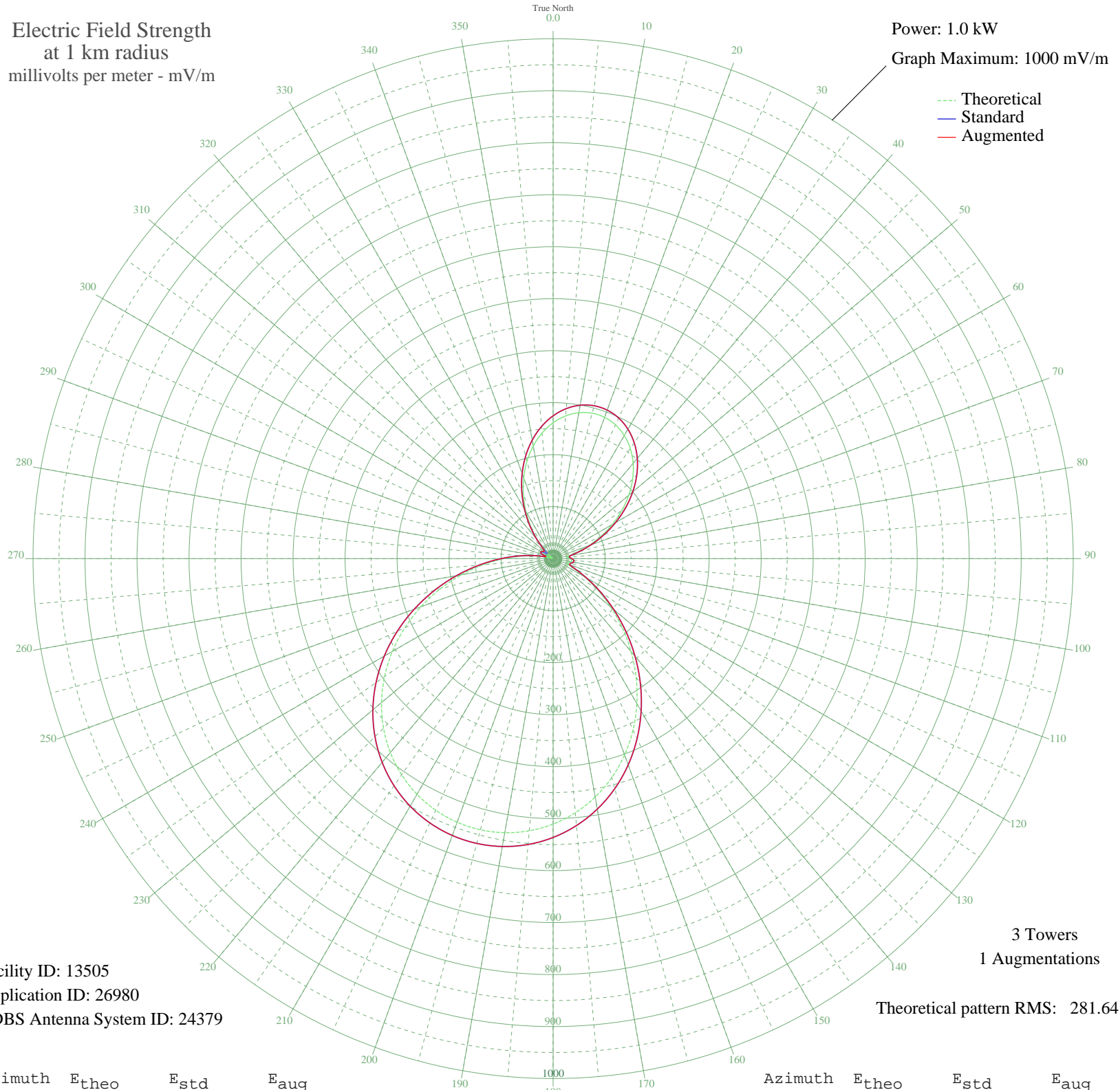


KFNS WOOD RIVER, IL BL-19810128AD 590 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m



Facility ID: 13505
Application ID: 26980
CDBS Antenna System ID: 24379

3 Towers
1 Augmentations

Theoretical pattern RMS: 281.64

Azimuth	E _{theo}	E _{std}	E _{aug}
0	261.27	274.69	274.69
5	275.52	289.63	289.63
10	285.04	299.62	299.62
15	289.65	304.45	304.45
20	289.25	304.03	304.03
25	283.85	298.37	298.37
30	273.58	287.59	287.59
35	258.63	271.92	271.92
40	239.35	251.71	251.71
45	216.23	227.47	227.47
50	189.90	199.89	199.89
55	161.20	169.83	169.83
60	131.15	138.41	138.41
65	101.02	106.98	106.98
70	72.40	77.28	77.28
75	47.52	51.80	51.80
80	30.45	34.87	34.87
85	26.72	31.32	31.32
90	31.75	36.13	36.13
95	35.76	40.04	40.04
100	35.14	39.44	39.44
105	30.66	35.08	35.08
110	29.23	33.70	33.70
115	42.25	46.50	46.50
120	68.94	73.71	73.71
125	103.93	110.01	110.01
130	144.22	152.07	152.07
135	187.78	197.66	197.66
140	232.92	244.96	244.96
145	278.11	292.34	292.34
150	322.03	338.41	338.41
155	363.55	381.98	381.98
160	401.76	422.07	422.07
165	435.97	457.98	457.98
170	465.70	489.19	489.19
175	490.64	515.36	515.36

Azimuth	E _{theo}	E _{std}	E _{aug}
180	510.58	536.29	536.29
185	525.46	551.91	551.91
190	535.24	562.18	562.18
195	539.93	567.09	567.09
200	539.52	566.66	566.66
205	534.01	560.88	560.88
210	523.39	549.74	549.74
215	507.68	533.24	533.24
220	486.90	511.43	511.43
225	461.14	484.39	484.39
230	430.60	452.35	452.35
235	395.63	415.64	415.64
240	356.72	374.82	374.82
245	314.60	330.62	330.62
250	270.18	284.03	284.03
255	224.60	236.24	236.24
260	179.15	188.62	188.62
265	135.25	142.70	142.70
270	94.39	100.08	100.08
275	57.99	62.46	62.46
280	27.35	31.92	31.92
285	3.71	14.46	14.46
290	12.80	19.35	19.35
295	21.03	26.11	26.11
300	21.28	26.33	26.47
305	13.92	20.19	24.61
310	1.31	13.99	22.16
315	20.68	25.79	27.74
320	45.56	49.82	49.82
325	73.82	78.76	78.76
330	104.08	110.17	110.17
335	134.99	142.42	142.42
340	165.31	174.13	174.13
345	193.95	204.12	204.12
350	219.97	231.38	231.38
355	242.61	255.12	255.12

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