

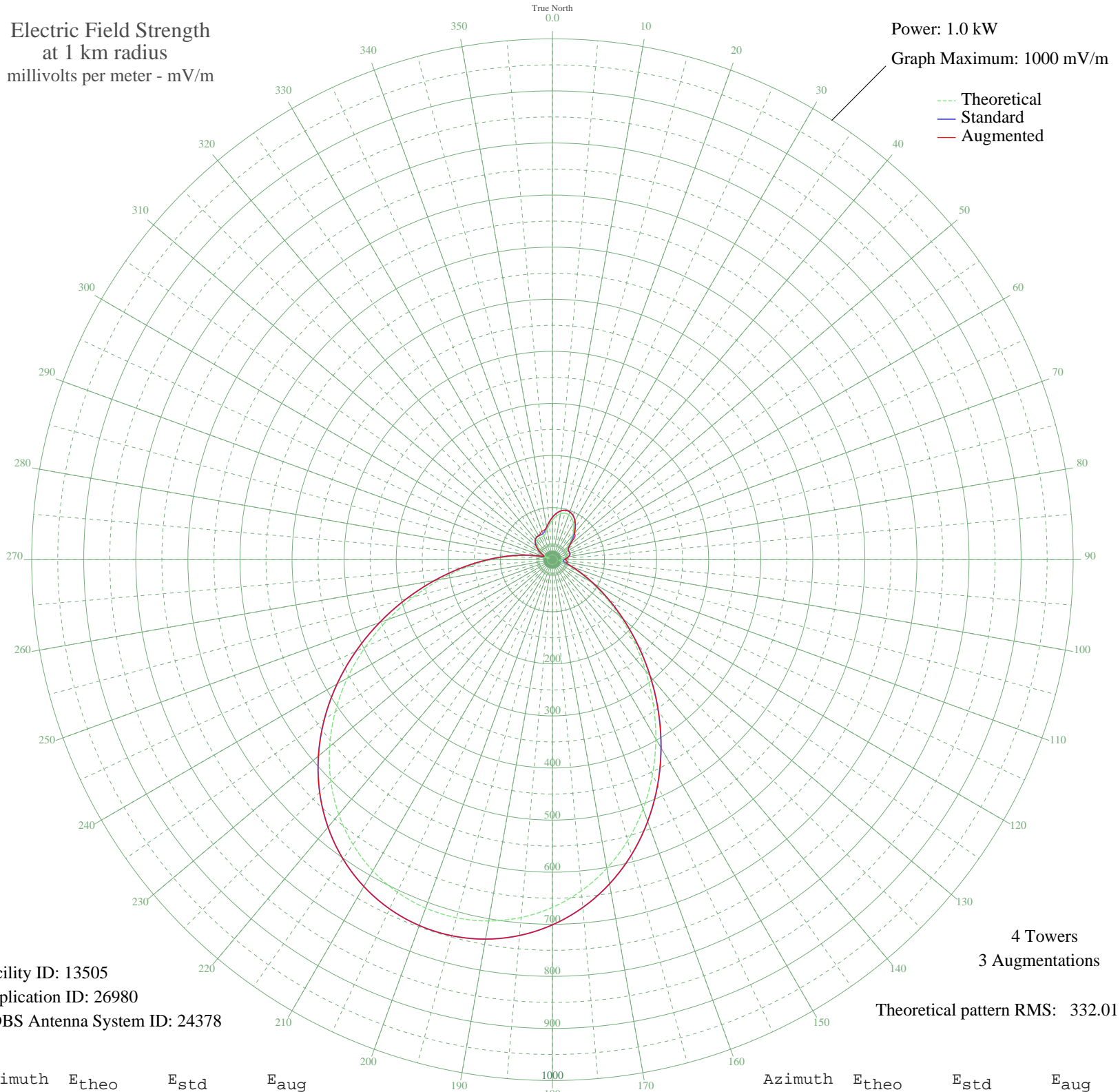
# KFNS WOOD RIVER, IL BL-19810128AD 590 kHz

Daytime

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: 24378

4 Towers  
3 Augmentations

Theoretical pattern RMS: 332.01

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	75.91	81.25	81.25
5	83.75	89.35	89.35
10	89.43	95.22	95.22
15	92.21	98.10	98.10
20	91.68	97.55	97.55
25	87.79	93.52	93.52
30	80.79	86.29	86.29
35	71.29	76.50	76.50
40	60.20	65.15	65.75
45	48.81	53.64	60.13
50	38.86	43.76	43.76
55	32.26	37.38	37.38
60	29.88	35.13	35.13
65	30.21	35.44	35.44
70	30.58	35.79	35.79
75	29.26	34.55	34.55
80	25.73	31.30	31.30
85	20.54	26.74	26.74
90	15.22	22.48	24.27
95	12.54	20.57	28.12
100	15.05	22.35	28.67
105	22.50	28.42	29.10
110	35.48	40.47	40.47
115	55.85	60.74	60.74
120	84.86	90.49	90.49
125	122.65	129.75	129.75
130	168.46	177.58	177.58
135	220.83	232.41	232.41
140	277.83	292.15	292.15
145	337.29	354.51	354.51
150	396.99	417.14	417.14
155	454.88	477.88	477.88
160	509.17	534.86	534.86
165	558.45	586.59	586.59
170	601.70	631.98	631.98
175	638.21	670.30	670.30

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	667.59	701.15	701.15
185	689.66	724.32	724.32
190	704.38	739.76	739.76
195	711.73	747.49	747.49
200	711.76	747.51	747.51
205	704.44	739.83	739.83
210	689.76	724.42	724.42
215	667.71	701.28	701.28
220	638.34	670.44	670.44
225	601.80	632.09	632.09
230	558.50	586.64	586.64
235	509.09	534.78	534.78
240	454.59	477.58	477.58
245	396.38	416.50	416.50
250	336.21	353.37	353.37
255	276.09	290.32	290.32
260	218.18	229.64	229.64
265	164.61	173.56	173.56
270	117.19	124.06	124.06
275	77.29	82.68	82.68
280	45.57	50.39	50.39
285	21.97	27.96	27.96
290	7.22	17.53	17.53
295	10.96	19.55	19.55
300	19.93	26.22	26.22
305	28.19	33.55	33.55
310	35.61	40.59	40.59
315	41.71	46.56	46.56
320	45.90	50.72	50.72
325	47.90	52.72	52.72
330	48.12	52.94	52.94
335	47.73	52.55	55.11
340	48.51	53.33	58.26
345	52.01	56.85	59.22
350	58.52	63.45	63.45
355	67.01	72.12	72.12