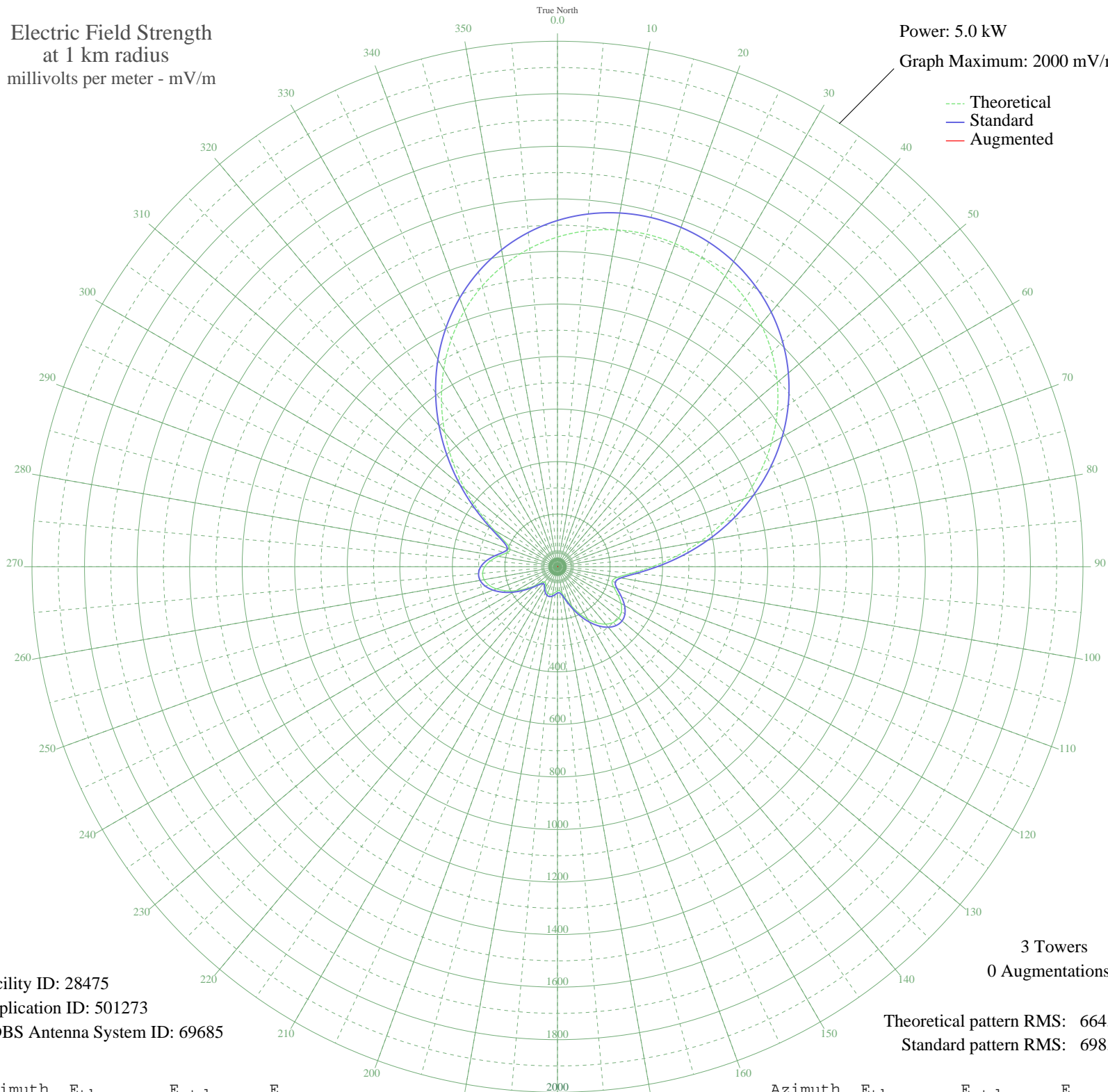


# KOEL OELWEIN, IA BL-20000410ACG 950 kHz

Daytime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 28475  
Application ID: 501273  
CDBS Antenna System ID: 69685

Theoretical pattern RMS: 664.70  
Standard pattern RMS: 698.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1254.75	1317.79	
5	1283.29	1347.75	
10	1301.69	1367.06	
15	1310.14	1375.94	
20	1308.79	1374.51	
25	1297.66	1362.83	
30	1276.71	1340.84	
35	1245.80	1308.39	
40	1204.78	1265.34	
45	1153.55	1211.56	
50	1092.13	1147.08	
55	1020.76	1072.16	
60	940.02	987.42	
65	850.93	893.92	
70	755.02	793.27	
75	654.47	687.77	
80	552.22	580.51	
85	452.20	475.64	
90	359.82	378.87	
95	282.87	298.35	
100	231.89	245.12	
105	215.27	227.79	
110	227.94	240.99	
115	253.82	267.99	
120	279.33	294.65	
125	297.19	313.32	
130	304.30	320.75	
135	299.96	316.22	
140	284.92	300.49	
145	260.87	275.36	
150	230.11	243.25	
155	195.45	207.14	
160	160.12	170.48	
165	128.00	137.32	
170	103.68	112.45	
175	91.41	100.03	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	91.30	99.92	
185	97.91	106.59	
190	104.99	113.78	
195	108.63	117.49	
200	107.08	115.91	
205	100.15	108.87	
210	89.30	97.91	
215	78.43	87.04	
220	75.09	83.73	
225	86.68	95.28	
230	112.27	121.21	
235	145.73	155.59	
240	181.78	192.94	
245	216.53	229.09	
250	246.78	260.65	
255	269.84	284.73	
260	283.43	298.93	
265	285.92	301.53	
270	276.59	291.79	
275	256.25	270.53	
280	228.34	241.41	
285	201.36	213.30	
290	191.65	203.20	
295	216.67	229.24	
300	277.35	292.58	
305	361.86	381.00	
310	459.48	483.27	
315	563.07	591.89	
320	667.71	701.66	
325	769.75	808.72	
330	866.41	910.17	
335	955.63	1003.80	
340	1035.92	1088.09	
345	1106.35	1162.01	
350	1166.39	1225.03	
355	1215.84	1276.94	

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.

15 Feb 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission