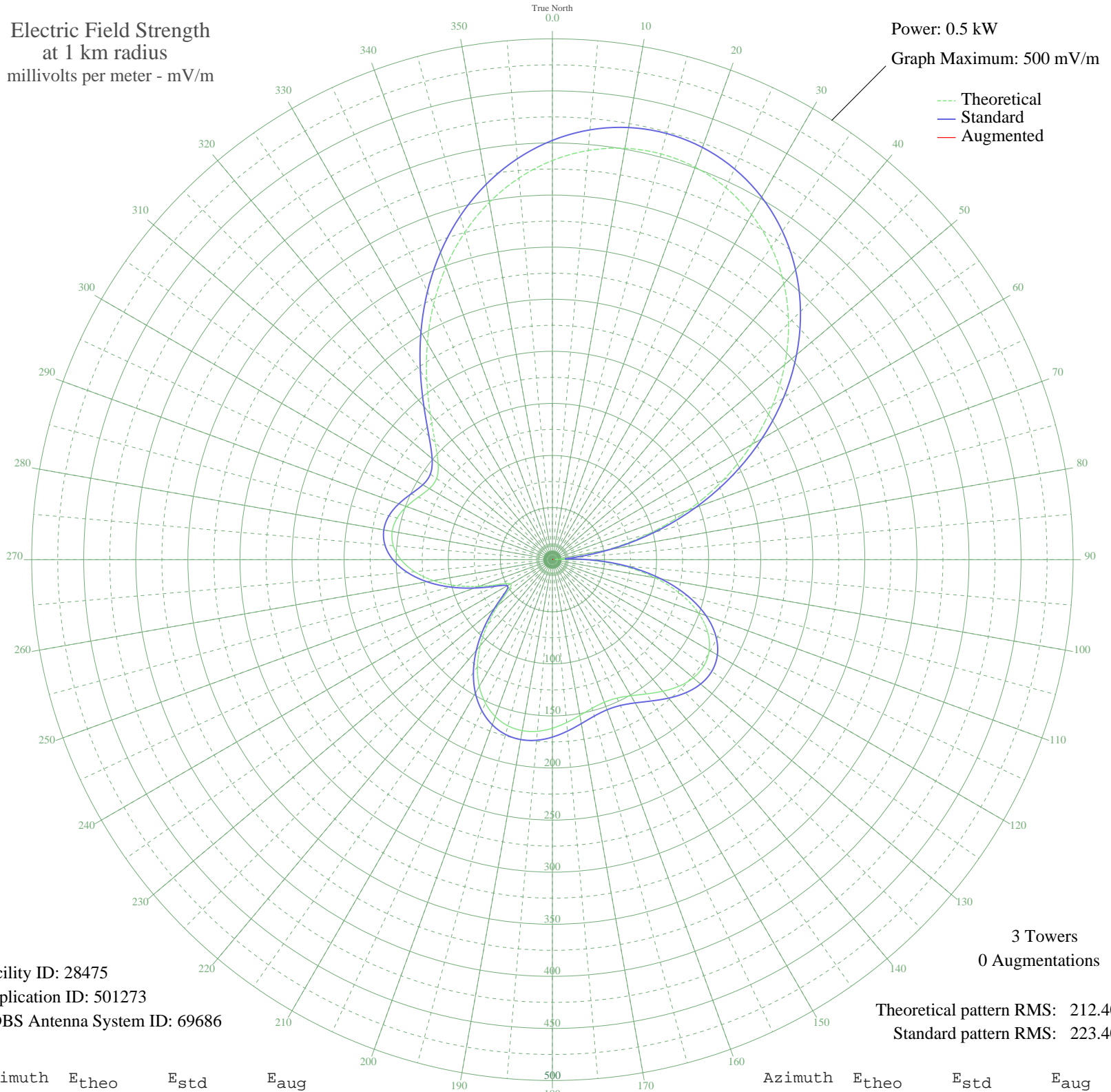


KOEL OELWEIN, IA BL-20000410ACG 950 kHz

Nighttime

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

Power: 0.5 kW
Graph Maximum: 500 mV/m



Facility ID: 28475
Application ID: 501273
CDBS Antenna System ID: 69686

Theoretical pattern RMS: 212.40
Standard pattern RMS: 223.40

Azimuth	E _{theo}	E _{std}	E _{aug}
0	383.17	402.49	
5	394.29	414.16	
10	401.01	421.22	
15	403.24	423.56	
20	400.92	421.13	
25	394.03	413.90	
30	382.54	401.84	
35	366.45	384.94	
40	345.78	363.26	
45	320.66	336.89	
50	291.24	306.03	
55	257.85	270.99	
60	220.91	232.25	
65	181.04	190.45	
70	139.00	146.41	
75	95.72	101.17	
80	52.28	56.11	
85	10.03	15.68	
90	30.68	34.24	
95	67.61	71.93	
100	100.20	105.85	
105	127.57	134.45	
110	149.10	156.98	
115	164.51	173.13	
120	173.87	182.94	
125	177.62	186.87	
130	176.56	185.75	
135	171.84	180.81	
140	164.89	173.52	
145	157.34	165.61	
150	150.82	158.79	
155	146.68	154.46	
160	145.65	153.38	
165	147.63	155.45	
170	151.81	159.82	
175	156.96	165.22	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	161.85	170.34	
185	165.36	174.02	
190	166.65	175.37	
195	165.10	173.74	
200	160.30	168.72	
205	152.07	160.10	
210	140.39	147.87	
215	125.46	132.25	
220	107.74	113.72	
225	88.07	93.20	
230	68.15	72.50	
235	51.76	55.58	
240	46.35	50.03	
245	56.27	60.21	
250	75.05	79.66	
255	96.06	101.53	
260	115.91	122.26	
265	132.76	139.88	
270	145.46	153.17	
275	153.33	161.41	
280	156.18	164.40	
285	154.38	162.52	
290	149.01	156.90	
295	142.04	149.59	
300	136.43	143.73	
305	135.82	143.08	
310	143.17	150.77	
315	159.23	167.59	
320	182.44	191.91	
325	210.23	221.04	
330	240.13	252.41	
335	270.18	283.93	
340	298.90	314.06	
345	325.21	341.66	
350	348.34	365.94	
355	367.78	386.34	

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