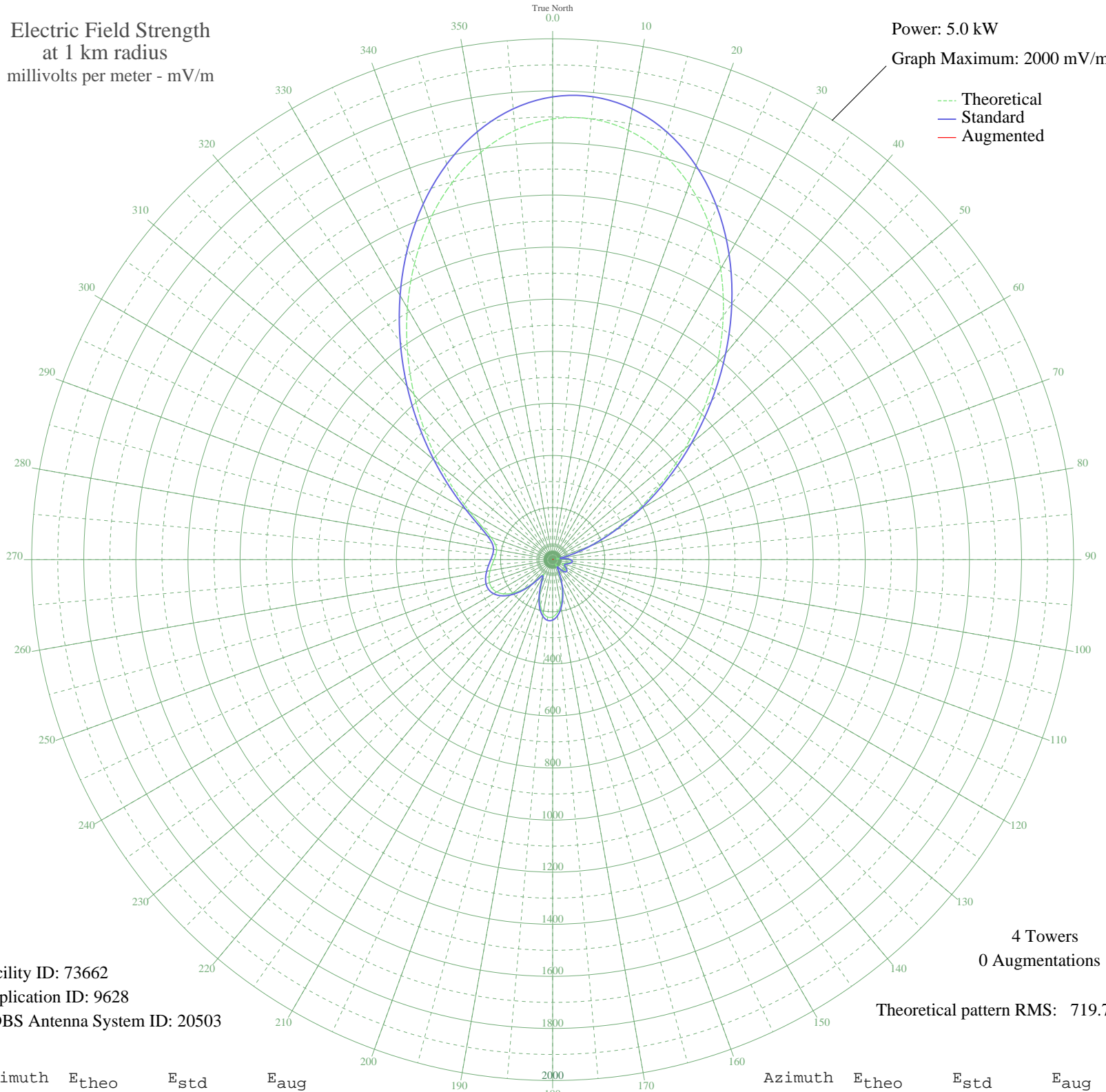


# KDTH DUBUQUE, IA BL-19790410AH 1370 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 73662  
Application ID: 9628  
CDBS Antenna System ID: 20503

4 Towers  
0 Augmentations

Theoretical pattern RMS: 719.71

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1692.33	1777.10	
5	1698.99	1784.09	
10	1673.98	1757.83	
15	1617.91	1698.96	
20	1532.78	1609.59	
25	1421.90	1493.18	
30	1289.74	1354.43	
35	1141.65	1198.96	
40	983.59	1033.04	
45	821.77	863.18	
50	662.27	695.78	
55	510.71	536.76	
60	371.94	391.25	
65	249.84	263.38	
70	147.14	156.28	
75	65.70	72.87	
80	13.38	27.36	
85	39.92	48.04	
90	61.87	69.08	
95	69.03	76.19	
100	64.69	71.87	
105	53.71	61.09	
110	43.16	51.04	
115	41.62	49.61	
120	49.68	57.20	
125	59.08	66.33	
130	63.40	70.59	
135	59.40	66.65	
140	46.12	53.82	
145	26.34	36.28	
150	25.72	35.79	
155	59.07	66.32	
160	100.01	107.60	
165	140.88	149.77	
170	177.02	187.35	
175	204.44	215.94	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	219.93	232.12	
185	221.40	233.66	
190	208.15	219.81	
195	181.06	191.55	
200	142.95	151.93	
205	99.81	107.40	
210	67.23	74.40	
215	76.11	83.29	
220	116.42	124.47	
225	160.84	170.51	
230	199.56	210.85	
235	229.03	241.62	
240	248.13	261.60	
245	257.31	271.19	
250	258.11	272.03	
255	252.82	266.49	
260	243.99	257.27	
265	234.06	246.88	
270	225.08	237.50	
275	218.99	231.14	
280	218.43	230.55	
285	227.67	240.20	
290	252.41	266.07	
295	297.73	313.50	
300	365.86	384.87	
305	456.06	479.43	
310	565.69	594.44	
315	691.10	726.04	
320	827.92	869.63	
325	971.17	1019.99	
330	1115.40	1171.40	
335	1254.89	1317.84	
340	1383.86	1453.24	
345	1496.75	1571.76	
350	1588.50	1668.09	
355	1654.79	1737.69	

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission