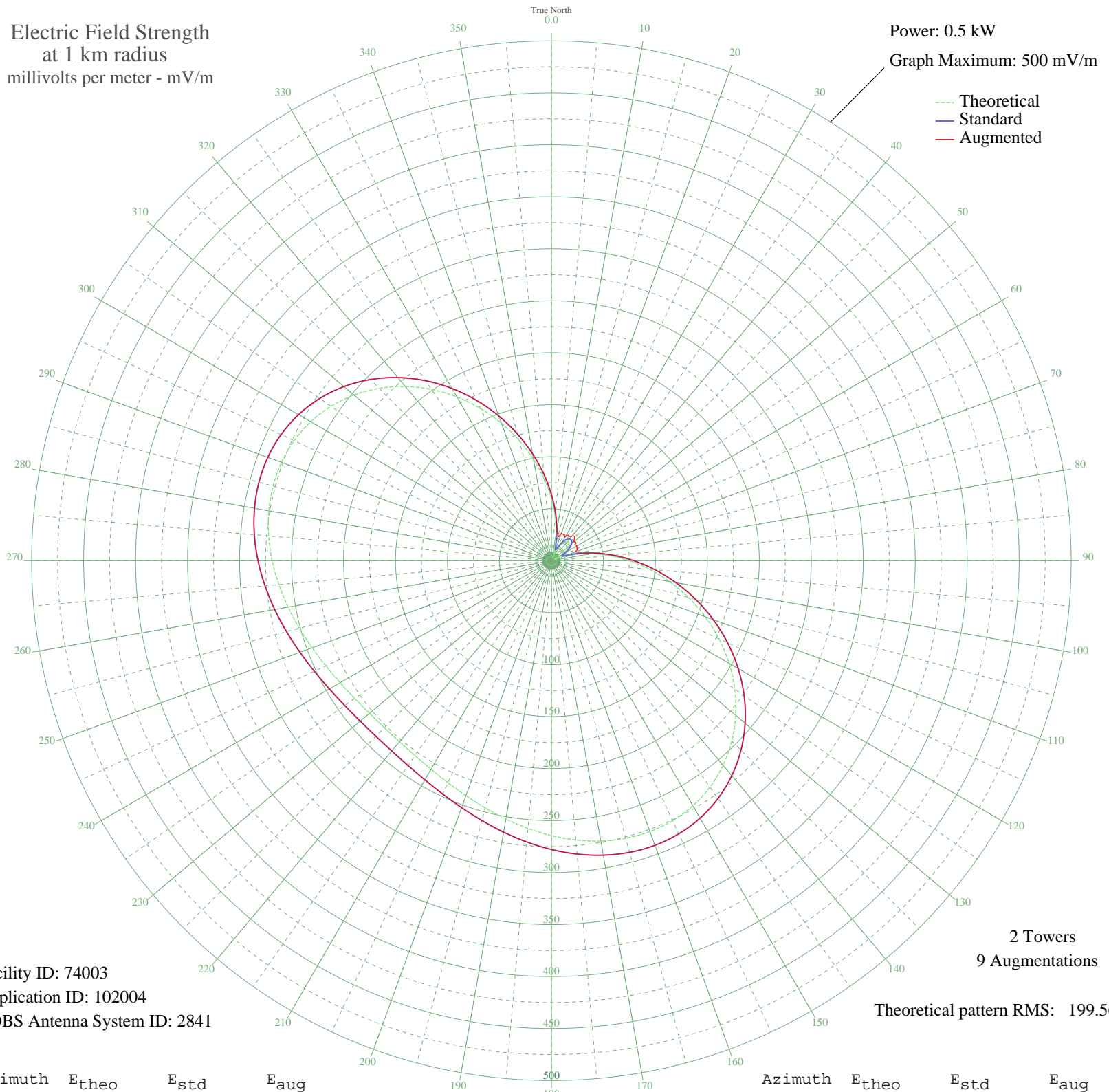


**WSJC MAGEE, MS BL-19870609AK 810 kHz**

**Nighttime**

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 74003  
Application ID: 102004  
CDBS Antenna System ID: 2841

2 Towers  
9 Augmentations  
Theoretical pattern RMS: 199.56

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	59.89	63.75	63.75
5	42.40	45.75	45.75
10	26.65	29.89	30.01
15	12.92	17.16	25.43
20	2.91	10.94	28.00
25	9.23	14.29	27.90
30	16.36	20.14	26.30
35	21.30	24.70	29.19
40	23.90	27.20	31.09
45	24.13	27.43	31.69
50	22.00	25.38	28.48
55	17.53	21.19	28.00
60	10.82	15.47	28.16
65	3.08	10.99	27.68
70	10.47	15.20	24.63
75	23.73	27.04	28.14
80	39.11	42.38	42.38
85	56.27	60.00	60.00
90	74.93	79.37	79.37
95	94.77	100.07	100.07
100	115.43	121.65	121.65
105	136.47	143.68	143.68
110	157.45	165.66	165.66
115	177.90	187.09	187.09
120	197.33	207.47	207.47
125	215.32	226.33	226.33
130	231.45	243.25	243.25
135	245.39	257.88	257.88
140	256.91	269.96	269.96
145	265.84	279.33	279.33
150	272.14	285.94	285.94
155	275.89	289.87	289.87
160	277.22	291.27	291.27
165	276.40	290.41	290.41
170	273.73	287.61	287.61
175	269.58	283.26	283.26

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	264.35	277.76	277.76
185	258.44	271.56	271.56
190	252.25	265.07	265.07
195	246.15	258.68	258.68
200	240.50	252.74	252.74
205	235.58	247.58	247.58
210	231.63	243.44	243.44
215	228.84	240.52	240.52
220	227.35	238.95	238.95
225	227.21	238.80	238.80
230	228.44	240.09	240.09
235	230.97	242.75	242.75
240	234.70	246.66	246.66
245	239.45	251.64	251.64
250	244.98	257.44	257.44
255	251.01	263.77	263.77
260	257.21	270.27	270.27
265	263.21	276.57	276.57
270	268.61	282.23	282.23
275	273.01	286.85	286.85
280	276.00	289.99	289.99
285	277.22	291.27	291.27
290	276.34	290.35	290.35
295	273.09	286.94	286.94
300	267.31	280.87	280.87
305	258.90	272.05	272.05
310	247.90	260.50	260.50
315	234.42	246.37	246.37
320	218.70	229.88	229.88
325	201.06	211.37	211.37
330	181.88	191.26	191.26
335	161.60	170.00	170.00
340	140.69	148.10	148.10
345	119.62	126.04	126.04
350	98.85	104.33	104.33
355	78.81	83.42	83.42