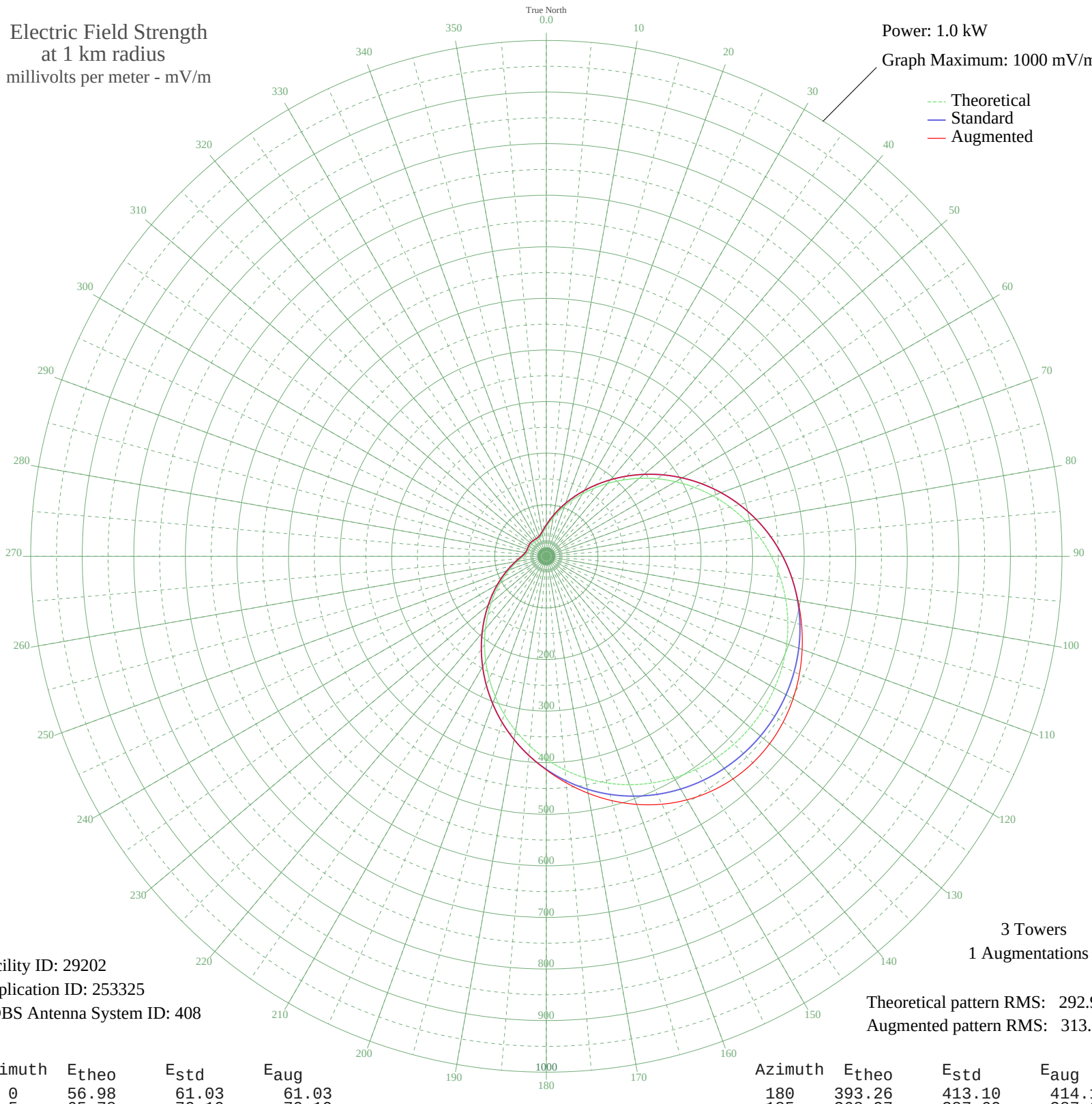
WGFA WATSEKA, IL BL-19970916AD 1360 kHz

Daytime

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



Power: 1.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

3 Towers
1 Augmentations

Facility ID: 29202
Application ID: 253325
CDBS Antenna System ID: 408

Theoretical pattern RMS: 292.90
Augmented pattern RMS: 313.65

Azimuth	E_{theo}	E_{std}	E_{aug}
0	56.98	61.03	61.03
5	65.78	70.10	70.10
10	76.38	81.10	81.10
15	88.96	94.18	94.18
20	103.65	109.50	109.50
25	120.56	127.15	127.15
30	139.68	147.16	147.16
35	160.94	169.42	169.42
40	184.14	193.72	193.72
45	208.98	219.76	219.76
50	235.10	247.15	247.15
55	262.06	275.42	275.42
60	289.39	304.10	304.10
65	316.62	332.67	332.67
70	343.29	360.66	360.66
75	368.97	387.60	387.60
80	393.26	413.10	413.10
85	415.85	436.81	436.81
90	436.47	458.46	458.46
95	454.92	477.82	477.82
100	471.06	494.76	495.65
105	484.78	509.16	512.50
110	496.03	520.97	527.93
115	504.78	530.16	541.42
120	511.03	536.72	552.45
125	514.78	540.65	560.54
130	516.03	541.96	565.26
135	514.78	540.65	566.24
140	511.03	536.72	563.27
145	504.78	530.16	556.23
150	496.03	520.97	545.16
155	484.78	509.16	530.23
160	471.06	494.76	511.78
165	454.92	477.82	490.29
170	436.47	458.46	466.35
175	415.85	436.81	440.70

Azimuth	E_{theo}	E_{std}	E_{aug}
180	393.26	413.10	414.17
185	368.97	387.60	387.60
190	343.29	360.66	360.66
195	316.62	332.67	332.67
200	289.39	304.10	304.10
205	262.06	275.42	275.42
210	235.10	247.15	247.15
215	208.98	219.76	219.76
220	184.14	193.72	193.72
225	160.94	169.42	169.42
230	139.68	147.16	147.16
235	120.56	127.15	127.15
240	103.65	109.50	109.50
245	88.96	94.18	94.18
250	76.38	81.10	81.10
255	65.78	70.10	70.10
260	56.98	61.03	61.03
265	49.86	53.71	53.71
270	44.30	48.05	48.05
275	40.25	43.94	43.94
280	37.59	41.26	41.26
285	36.15	39.81	39.81
290	35.64	39.30	39.30
295	35.71	39.38	39.38
300	36.04	39.71	39.71
305	36.35	40.02	40.02
310	36.47	40.14	40.14
315	36.35	40.02	40.02
320	36.04	39.71	39.71
325	35.71	39.38	39.38
330	35.64	39.30	39.30
335	36.15	39.81	39.81
340	37.59	41.26	41.26
345	40.25	43.94	43.94
350	44.30	48.05	48.05
355	49.86	53.71	53.71

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