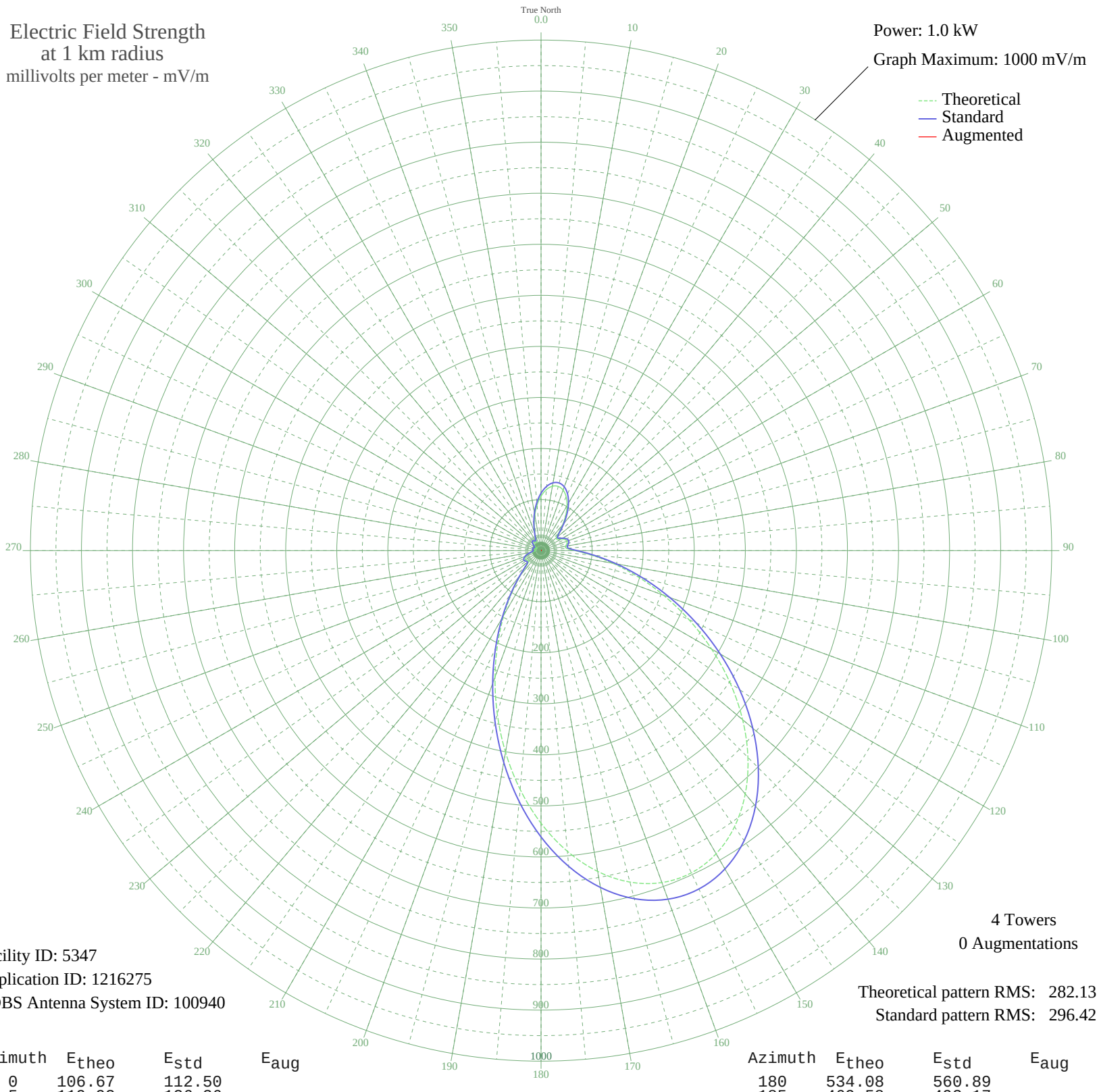
WGOP DAMASCUS, MD BP-20071102ARL 540 kHz

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

4 Towers
0 Augmentations

Facility ID: 5347
Application ID: 1216275
CDBS Antenna System ID: 100940

Theoretical pattern RMS: 282.13
Standard pattern RMS: 296.42

Azimuth	E_{theo}	E_{std}	E_{aug}
0	106.67	112.50	
5	119.92	126.36	
10	128.02	134.83	
15	130.17	137.08	
20	126.17	132.89	
25	116.41	122.68	
30	101.87	107.47	
35	84.07	88.90	
40	65.21	69.27	
45	48.47	51.97	
50	38.63	41.89	
55	38.94	42.22	
60	45.26	48.67	
65	51.33	54.91	
70	53.90	57.56	
75	52.27	55.88	
80	48.67	52.17	
85	50.31	53.86	
90	66.54	70.65	
95	98.50	103.95	
100	142.43	149.92	
105	195.34	205.37	
110	254.98	267.93	
115	319.20	335.32	
120	385.70	405.12	
125	451.97	474.68	
130	515.30	541.17	
135	572.92	601.66	
140	622.11	653.30	
145	660.39	693.49	
150	685.67	720.03	
155	696.44	731.34	
160	691.92	726.59	
165	672.15	705.84	
170	638.01	669.99	
175	591.19	620.84	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	534.08	560.89	
185	469.58	493.17	
190	400.86	421.03	
195	331.16	347.88	
200	263.55	276.93	
205	200.74	211.04	
210	144.98	152.59	
215	98.12	103.56	
220	61.90	65.83	
225	38.83	42.10	
230	31.21	34.41	
235	33.05	36.25	
240	35.15	38.37	
245	34.25	37.47	
250	30.30	33.50	
255	24.28	27.57	
260	17.64	21.29	
265	12.31	16.65	
270	10.54	15.26	
275	11.82	16.26	
280	13.17	17.36	
285	13.02	17.24	
290	11.31	15.85	
295	9.25	14.31	
300	9.65	14.59	
305	13.29	17.46	
310	17.70	21.35	
315	20.87	24.30	
320	21.68	25.07	
325	19.99	23.47	
330	17.97	21.59	
335	21.59	24.98	
340	33.66	36.87	
345	50.92	54.49	
350	70.33	74.59	
355	89.57	94.64	

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.

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Prepared by Audio Division, Media Bureau
Federal Communications Commission