

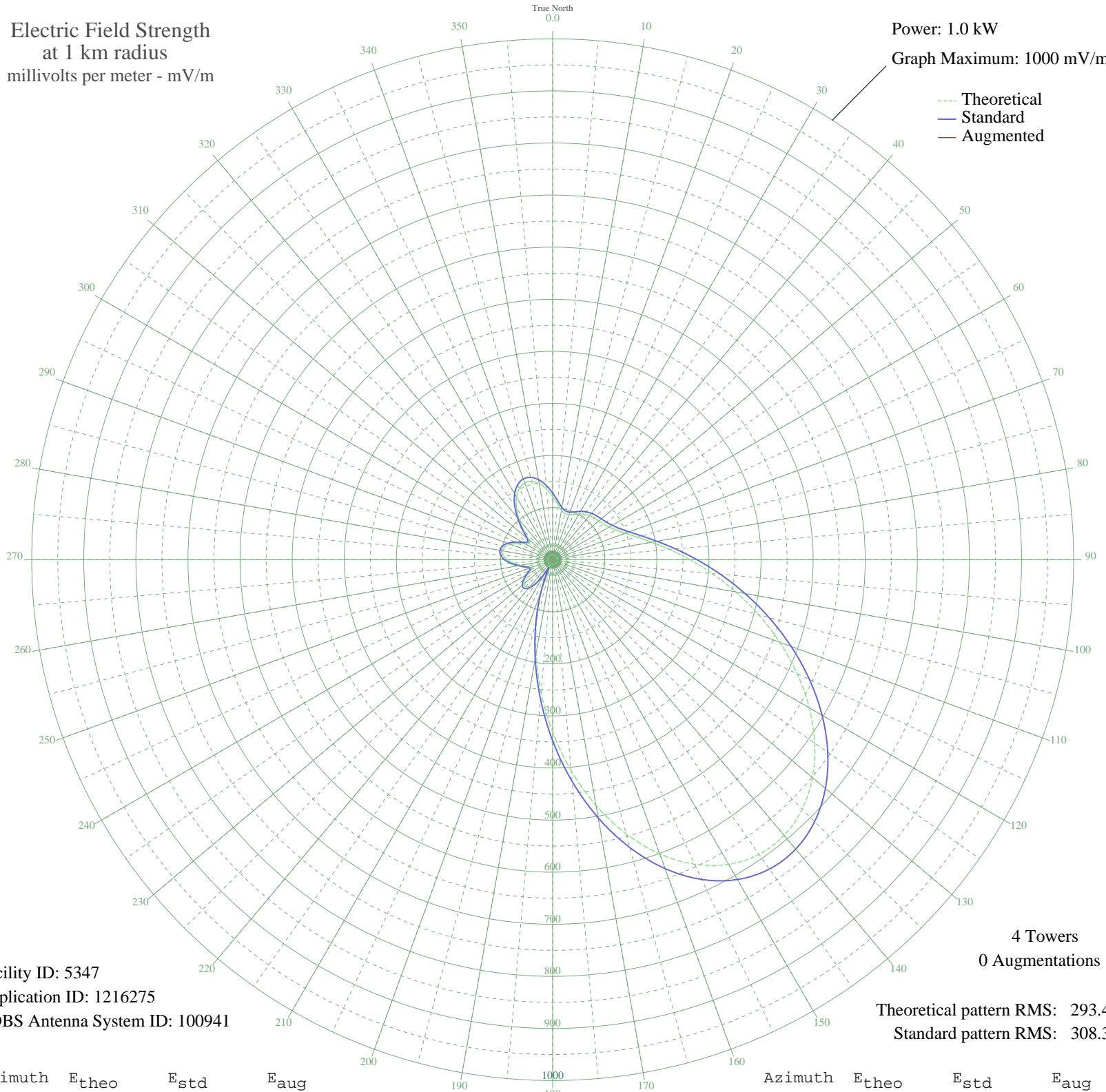
WGOP DAMASCUS, MD BP-20071102ARL 540 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 5347
Application ID: 1216275
CDBS Antenna System ID: 100941

4 Towers
0 Augmentations

Theoretical pattern RMS: 293.48
Standard pattern RMS: 308.34

Azimuth	E _{theo}	E _{std}	E _{aug}
0	121.52	128.03	
5	107.36	113.21	
10	96.60	101.97	
15	91.42	96.57	
20	91.90	97.06	
25	96.04	101.38	
30	101.40	106.98	
35	106.30	112.10	
40	110.09	116.08	
45	112.99	119.10	
50	115.73	121.97	
55	119.41	125.82	
60	125.29	131.97	
65	134.59	141.71	
70	148.47	156.24	
75	167.83	176.54	
80	193.35	203.29	
85	225.32	236.82	
90	263.67	277.05	
95	307.88	323.45	
100	357.01	375.01	
105	409.64	430.25	
110	463.95	487.27	
115	517.76	543.74	
120	568.58	597.10	
125	613.80	644.58	
130	650.83	683.45	
135	677.23	711.17	
140	690.97	725.60	
145	690.57	725.18	
150	675.27	709.11	
155	645.12	677.46	
160	601.07	631.21	
165	544.87	572.21	
170	479.03	503.10	
175	406.60	427.06	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	330.95	347.66	
185	255.50	268.49	
190	183.51	192.97	
195	117.82	124.15	
200	60.85	64.75	
205	16.51	20.27	
210	26.76	29.99	
215	51.53	55.11	
220	66.89	71.01	
225	73.19	77.57	
230	71.86	76.18	
235	64.86	68.91	
240	54.90	58.59	
245	46.01	49.44	
250	43.67	47.04	
255	50.43	53.99	
260	62.74	66.71	
265	76.01	80.50	
270	87.29	92.26	
275	94.79	100.09	
280	97.44	102.85	
285	94.76	100.05	
290	86.94	91.89	
295	75.20	79.65	
300	62.57	66.54	
305	55.32	59.02	
310	60.60	64.49	
315	77.50	82.05	
320	99.31	104.80	
325	120.77	127.24	
330	138.67	145.98	
335	150.99	158.88	
340	156.66	164.83	
345	155.49	163.60	
350	148.13	155.89	
355	136.06	143.25	

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