

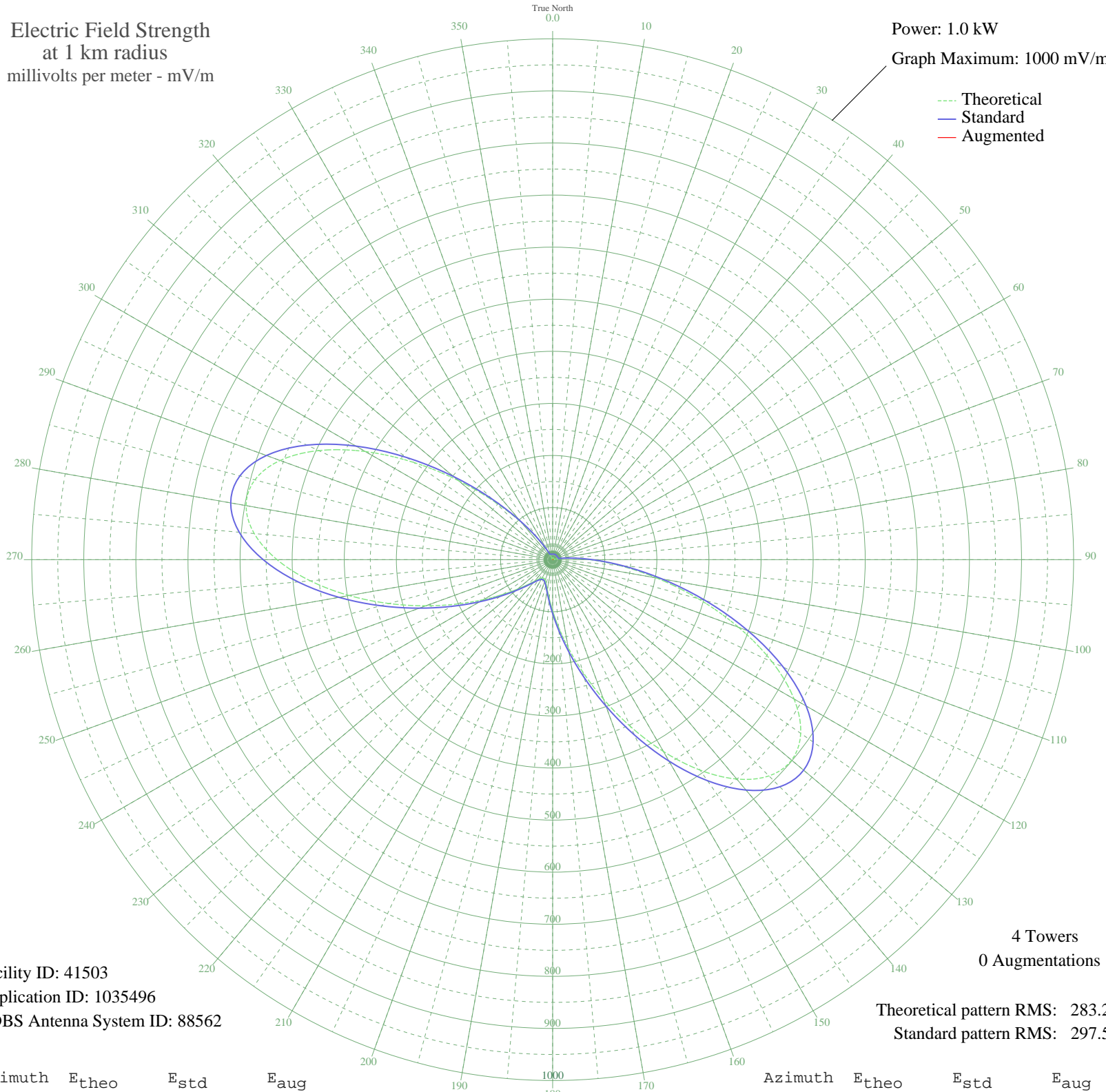
860428AB SOUTH TUCSON, AZ BP-19860428AB 890 kHz

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: 41503  
Application ID: 1035496  
CDBS Antenna System ID: 88562

4 Towers  
0 Augmentations

Theoretical pattern RMS: 283.24  
Standard pattern RMS: 297.59

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2.76	10.89	
5	2.15	10.74	
10	0.42	10.51	
15	1.70	10.65	
20	3.45	11.11	
25	4.28	11.42	
30	3.92	11.28	
35	2.48	10.82	
40	0.43	10.51	
45	1.55	10.63	
50	2.69	10.87	
55	2.38	10.79	
60	0.51	10.51	
65	2.16	10.74	
70	3.79	11.23	
75	1.33	10.59	
80	9.27	14.32	
85	32.34	35.54	
90	71.57	75.88	
95	128.76	135.61	
100	202.80	213.20	
105	289.09	303.72	
110	379.83	398.96	
115	465.19	488.57	
120	535.09	561.94	
125	581.24	610.40	
130	598.81	628.84	
135	587.20	616.65	
140	549.86	577.45	
145	493.23	518.00	
150	425.21	446.59	
155	353.55	371.38	
160	284.71	299.13	
165	223.16	234.55	
170	171.30	180.17	
175	129.80	136.69	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	98.07	103.51	
185	74.84	79.28	
190	58.61	62.43	
195	47.97	51.45	
200	41.81	45.13	
205	39.39	42.67	
210	40.42	43.72	
215	45.02	48.42	
220	53.75	57.41	
225	67.59	71.75	
230	87.84	92.83	
235	116.00	122.25	
240	153.47	161.48	
245	201.18	211.50	
250	259.03	272.19	
255	325.38	341.81	
260	396.58	416.55	
265	466.94	490.40	
270	529.10	555.65	
275	575.04	603.89	
280	597.56	627.53	
285	591.83	621.51	
290	556.76	584.69	
295	495.53	520.41	
300	415.21	436.09	
305	325.37	341.80	
310	236.22	248.25	
315	156.53	164.69	
320	92.28	97.46	
325	45.94	49.36	
330	16.77	20.50	
335	1.69	10.65	
340	3.51	11.13	
345	3.09	10.99	
350	0.54	10.52	
355	1.80	10.67	

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.

26 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission