

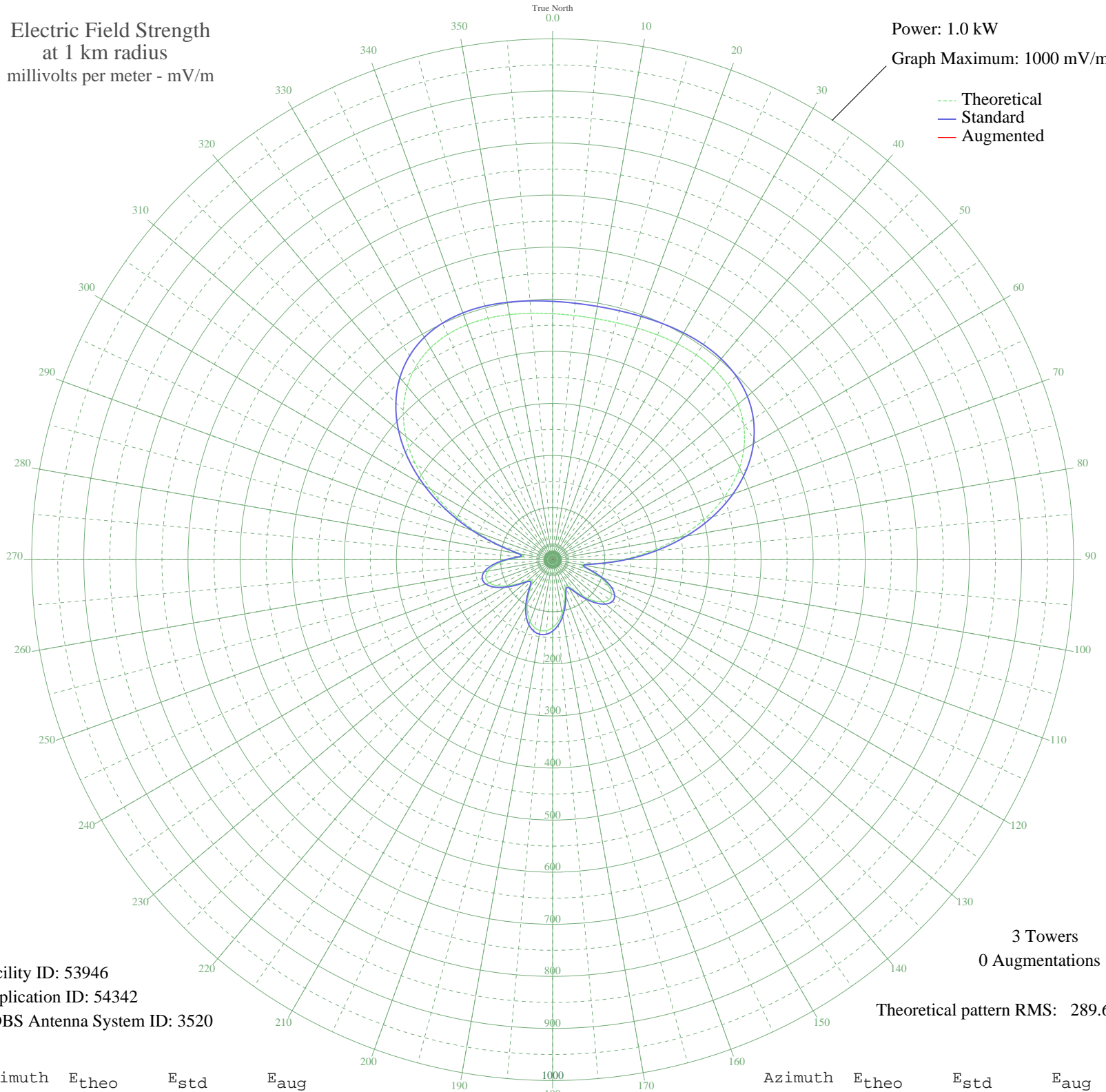
# WBAA WEST LAFAYETTE, IN BL-19830315AG 920 kHz

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: 53946  
Application ID: 54342  
CDBS Antenna System ID: 3520

3 Towers  
0 Augmentations

Theoretical pattern RMS: 289.68

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	472.26	495.98	
5	470.56	494.20	
10	470.14	493.76	
15	471.10	494.77	
20	473.22	496.99	
25	476.01	499.92	
30	478.67	502.72	
35	480.17	504.29	
40	479.25	503.33	
45	474.52	498.35	
50	464.52	487.86	
55	447.93	470.45	
60	423.70	445.01	
65	391.20	410.89	
70	350.44	368.11	
75	302.18	317.46	
80	248.04	260.65	
85	190.57	200.37	
90	133.53	140.60	
95	83.50	88.31	
100	56.61	60.36	
105	68.93	73.14	
110	95.55	100.88	
115	117.65	123.98	
120	130.35	137.26	
125	132.81	139.84	
130	125.89	132.60	
135	111.47	117.51	
140	92.35	97.54	
145	72.59	76.94	
150	58.54	62.35	
155	57.68	61.47	
160	69.74	73.97	
165	87.21	92.17	
170	104.65	110.38	
175	119.43	125.84	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	130.28	137.20	
185	136.59	143.80	
190	138.06	145.34	
195	134.64	141.76	
200	126.46	133.20	
205	113.94	120.09	
210	97.89	103.32	
215	80.00	84.66	
220	63.83	67.84	
225	56.18	59.91	
230	62.95	66.92	
235	80.24	84.90	
240	100.34	105.88	
245	117.98	124.32	
250	129.68	136.57	
255	133.02	140.07	
260	126.50	133.24	
265	109.81	115.78	
270	84.89	89.75	
275	60.38	64.27	
280	62.87	66.84	
285	102.00	107.61	
290	155.97	164.11	
295	213.75	224.68	
300	270.26	283.97	
305	322.30	338.58	
310	367.70	386.23	
315	405.21	425.60	
320	434.36	456.20	
325	455.44	478.32	
330	469.24	492.81	
335	476.96	500.92	
340	480.00	504.11	
345	479.79	503.89	
350	477.68	501.68	
355	474.86	498.71	

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission