

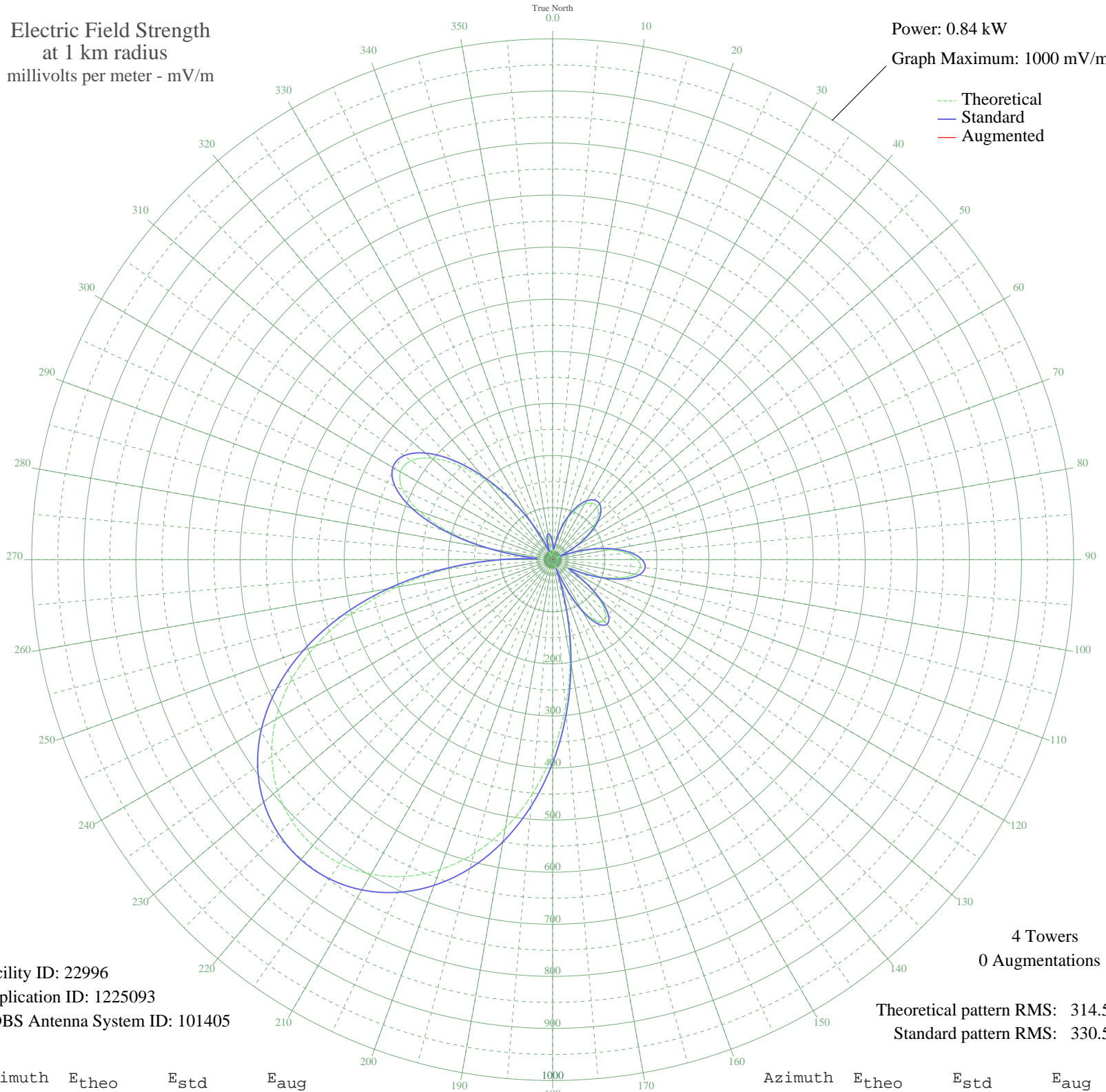
WAAX MOUNTAIN BROOK, AL BMJP-20071214ABD 570 kHz

Nighttime

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

Power: 0.84 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 22996  
Application ID: 1225093  
CDBS Antenna System ID: 101405

4 Towers  
0 Augmentations

Theoretical pattern RMS: 314.50  
Standard pattern RMS: 330.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	27.46	32.23	
5	13.31	20.07	
10	30.43	35.04	
15	57.89	62.47	
20	84.50	89.89	
25	107.04	113.31	
30	123.43	130.40	
35	132.25	139.61	
40	132.57	139.95	
45	123.98	130.98	
50	106.53	112.78	
55	80.81	86.06	
60	48.04	52.45	
65	11.64	18.88	
70	33.29	37.80	
75	74.34	79.37	
80	112.22	118.71	
85	142.94	150.78	
90	162.86	171.61	
95	169.03	178.07	
100	159.72	168.33	
105	134.91	142.38	
110	96.85	102.71	
115	51.91	56.37	
120	32.81	37.33	
125	72.41	77.38	
130	114.52	121.11	
135	143.62	151.49	
140	153.80	162.13	
145	142.07	149.86	
150	108.02	114.33	
155	53.81	58.30	
160	21.43	26.72	
165	102.76	108.86	
170	192.49	202.62	
175	283.59	298.12	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	371.41	390.24	
185	452.32	475.15	
190	523.83	550.21	
195	584.47	613.86	
200	633.59	665.43	
205	671.11	704.81	
210	697.20	732.20	
215	712.12	747.86	
220	715.96	751.90	
225	708.57	744.14	
230	689.52	724.14	
235	658.19	691.25	
240	613.88	644.74	
245	556.07	584.05	
250	484.68	509.11	
255	400.36	420.62	
260	304.84	320.41	
265	201.17	211.72	
270	94.40	100.16	
275	28.85	33.54	
280	118.89	125.67	
285	204.97	215.70	
290	272.83	286.83	
295	317.69	333.89	
300	337.15	354.30	
305	331.31	348.18	
310	302.81	318.28	
315	256.51	269.72	
320	198.84	209.27	
325	136.91	144.47	
330	77.64	82.78	
335	27.21	32.00	
340	14.32	20.82	
345	37.05	41.48	
350	46.03	50.43	
355	41.79	46.19	

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.

25 Feb 2008

Prepared by Audio Division, Media Bureau  
Federal Communications Commission