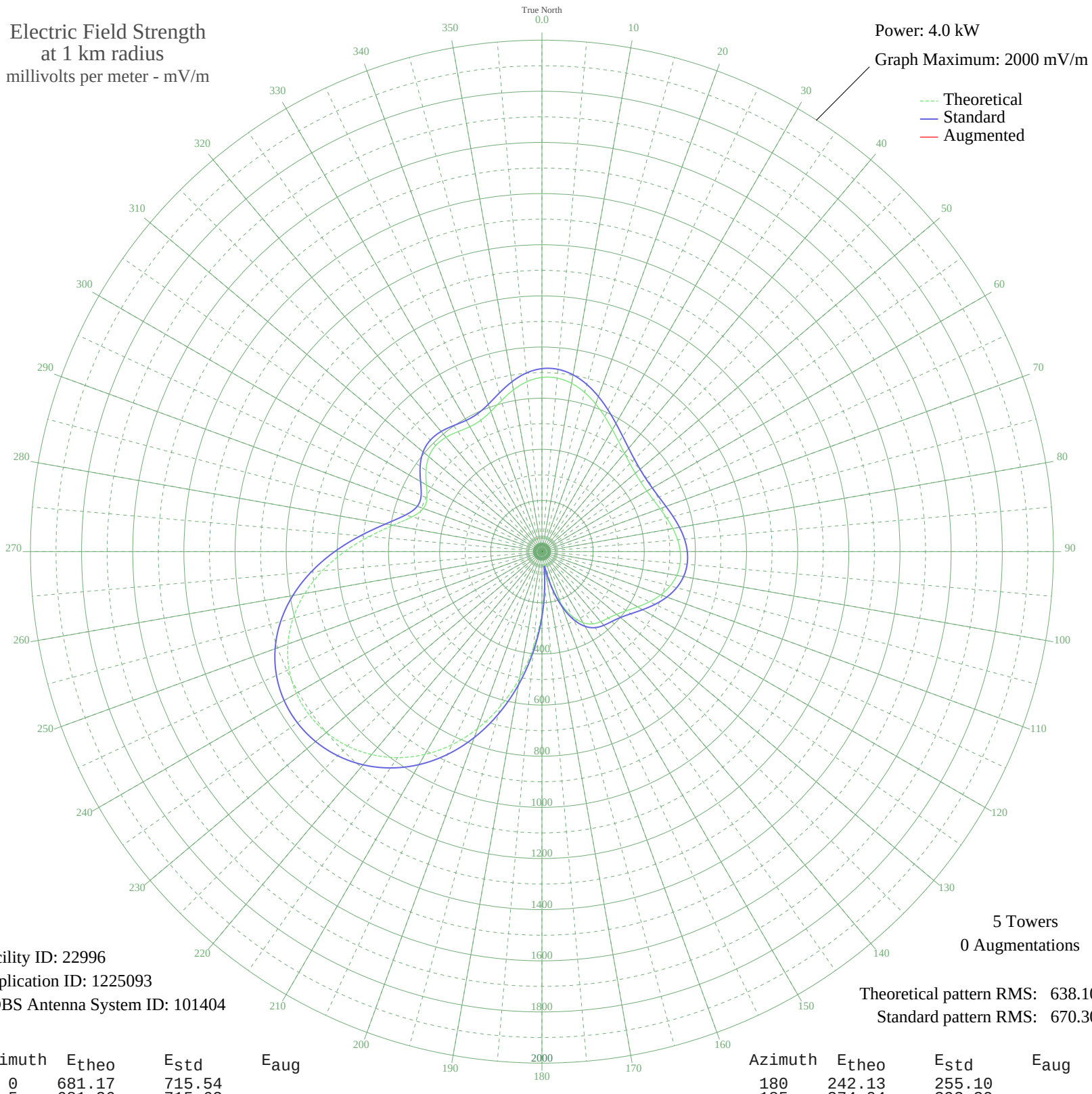
WAAX MOUNTAIN BROOK, AL BMJP-20071214ABD 570 kHz

Daytime

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



Power: 4.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

5 Towers
0 Augmentations

Facility ID: 22996
Application ID: 1225093
CDBS Antenna System ID: 101404

Theoretical pattern RMS: 638.10
Standard pattern RMS: 670.30

Azimuth	E_{theo}	E_{std}	E_{aug}
0	681.17	715.54	
5	681.26	715.63	
10	668.14	701.86	
15	644.54	677.09	
20	614.41	645.47	
25	581.96	611.42	
30	550.86	578.79	
35	523.76	550.35	
40	502.11	527.63	
45	486.41	511.16	
50	476.61	500.88	
55	472.50	496.57	
60	473.86	498.00	
65	480.36	504.82	
70	491.23	516.22	
75	505.05	530.72	
80	519.70	546.09	
85	532.56	559.58	
90	540.90	568.33	
95	542.32	569.82	
100	535.17	562.32	
105	518.92	545.27	
110	494.43	519.58	
115	464.17	487.83	
120	432.12	454.21	
125	403.12	423.80	
130	381.24	400.85	
135	367.36	386.30	
140	357.71	376.18	
145	344.92	362.78	
150	320.78	337.47	
155	278.76	293.45	
160	215.59	227.34	
165	132.61	140.81	
170	52.52	59.01	
175	117.08	124.72	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	242.13	255.10	
185	374.04	393.30	
190	503.76	529.37	
195	625.81	657.44	
200	736.46	773.56	
205	833.44	875.37	
210	915.75	961.77	
215	983.21	1032.59	
220	1036.16	1088.17	
225	1075.03	1128.98	
230	1100.14	1155.34	
235	1111.45	1167.21	
240	1108.54	1164.16	
245	1090.70	1145.43	
250	1057.15	1110.21	
255	1007.39	1057.97	
260	941.72	989.03	
265	861.83	905.17	
270	771.61	810.46	
275	677.94	712.15	
280	591.43	621.36	
285	525.83	552.52	
290	493.36	518.46	
295	495.91	521.13	
300	521.63	548.11	
305	553.24	581.28	
310	577.25	606.47	
315	587.20	616.91	
320	583.60	613.14	
325	572.69	601.69	
330	564.05	592.63	
335	566.51	595.21	
340	583.52	613.06	
345	611.42	642.33	
350	642.12	674.55	
355	667.30	700.98	

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