

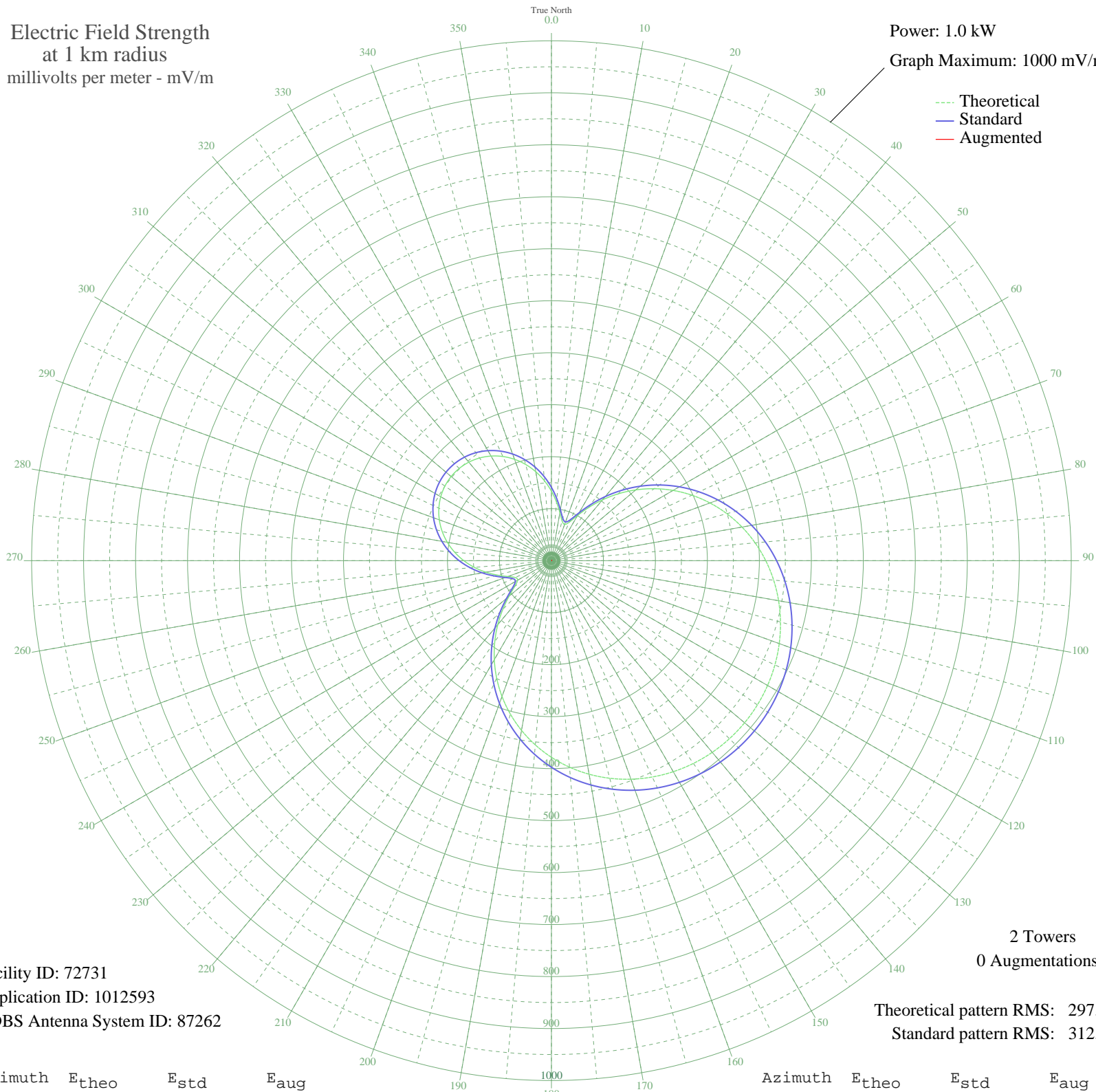
WGAI ELIZABETH CITY, NC BL-20040831ACS 560 kHz

Daytime

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: 72731  
Application ID: 1012593  
CDBS Antenna System ID: 87262

2 Towers  
0 Augmentations

Theoretical pattern RMS: 297.36  
Standard pattern RMS: 312.22

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	133.65	141.01	
5	112.89	119.33	
10	93.68	99.32	
15	79.22	84.31	
20	74.28	79.20	
25	82.01	87.20	
30	100.26	106.17	
35	124.80	131.76	
40	152.60	160.82	
45	181.93	191.52	
50	211.74	222.75	
55	241.35	253.79	
60	270.26	284.11	
65	298.09	313.29	
70	324.53	341.03	
75	349.33	367.06	
80	372.32	391.18	
85	393.35	413.24	
90	412.30	433.14	
95	429.12	450.78	
100	443.74	466.13	
105	456.16	479.16	
110	466.36	489.87	
115	474.34	498.24	
120	480.11	504.31	
125	483.69	508.07	
130	485.09	509.53	
135	484.29	508.69	
140	481.31	505.56	
145	476.13	500.12	
150	468.75	492.37	
155	459.15	482.30	
160	447.34	469.91	
165	433.31	455.19	
170	417.09	438.16	
175	398.71	418.87	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	378.24	397.39	
185	355.77	373.82	
190	331.44	348.29	
195	305.43	320.99	
200	277.95	292.17	
205	249.30	262.13	
210	219.84	231.24	
215	190.03	200.00	
220	160.48	169.07	
225	132.13	139.42	
230	106.47	112.63	
235	86.11	91.46	
240	75.12	80.07	
245	76.72	81.72	
250	89.10	94.56	
255	107.41	113.62	
260	127.97	135.07	
265	148.73	156.77	
270	168.59	177.55	
275	186.93	196.76	
280	203.36	213.97	
285	217.61	228.91	
290	229.52	241.39	
295	238.96	251.29	
300	245.86	258.52	
305	250.17	263.04	
310	251.84	264.79	
315	250.88	263.79	
320	247.29	260.02	
325	241.10	253.52	
330	232.34	244.34	
335	221.09	232.55	
340	207.46	218.27	
345	191.60	201.65	
350	173.75	182.96	
355	154.25	162.55	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission