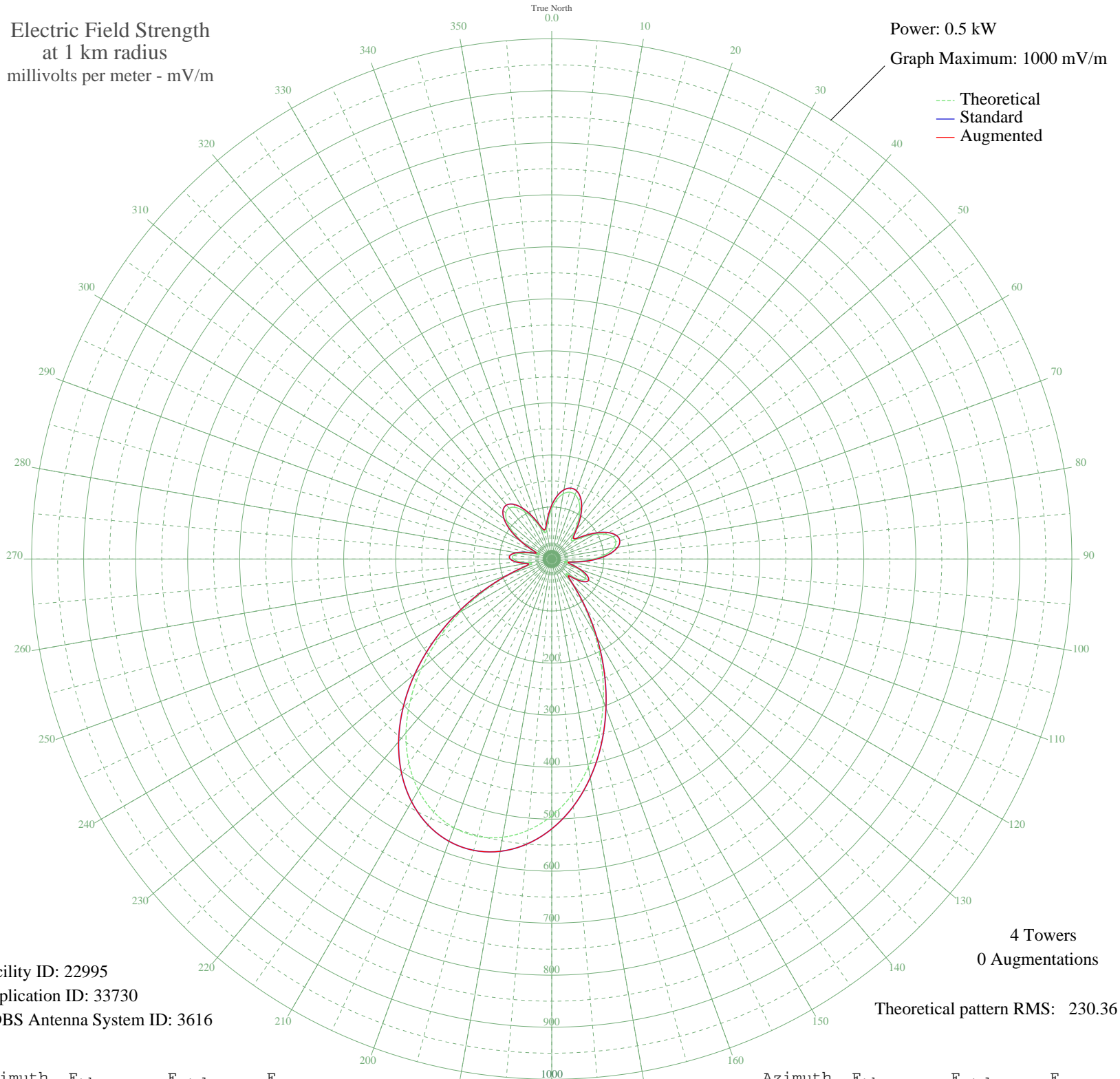


WGAD RAINBOW CITY, AL BL-19810904AG 930 kHz

Nighttime

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

Power: 0.5 kW
Graph Maximum: 1000 mV/m



Facility ID: 22995
Application ID: 33730
CDBS Antenna System ID: 3616

Theoretical pattern RMS: 230.36

Azimuth	E _{theo}	E _{std}	E _{aug}
0	96.73	103.39	103.39
5	114.71	121.99	121.99
10	127.22	134.97	134.97
15	133.00	140.98	140.98
20	131.54	139.47	139.47
25	122.97	130.56	130.56
30	108.07	115.11	115.11
35	88.51	94.93	94.93
40	67.72	73.69	73.69
45	53.09	59.01	59.01
50	55.32	61.22	61.22
55	72.72	78.76	78.76
60	94.21	100.79	100.79
65	112.76	119.96	119.96
70	124.62	132.27	132.27
75	127.66	135.43	135.43
80	120.95	128.46	128.46
85	104.78	111.70	111.70
90	80.76	86.97	86.97
95	52.18	58.10	58.10
100	27.26	34.54	34.54
105	30.71	37.59	37.59
110	52.08	58.00	58.00
115	68.94	74.92	74.92
120	75.62	81.72	81.72
125	70.32	76.32	76.32
130	54.38	60.28	60.28
135	39.21	45.48	45.48
140	57.53	63.43	63.43
145	104.96	111.89	111.89
150	163.49	172.75	172.75
155	226.44	238.55	238.55
160	289.81	304.92	304.92
165	350.48	368.51	368.51
170	405.91	426.65	426.65
175	454.15	477.25	477.25

Azimuth	E _{theo}	E _{std}	E _{aug}
180	493.73	518.78	518.78
185	523.61	550.13	550.13
190	543.12	570.60	570.60
195	551.86	579.77	579.77
200	549.67	577.47	577.47
205	536.59	563.75	563.75
210	512.87	538.86	538.86
215	479.01	503.34	503.34
220	435.82	458.02	458.02
225	384.50	404.19	404.19
230	326.71	343.59	343.59
235	264.63	278.53	278.53
240	201.02	211.95	211.95
245	139.28	147.51	147.51
250	84.06	90.35	90.35
255	45.12	51.17	51.17
260	43.36	49.47	49.47
265	61.72	67.63	67.63
270	73.88	79.95	79.95
275	74.34	80.42	80.42
280	63.23	69.15	69.15
285	43.47	49.57	49.57
290	24.90	32.52	32.52
295	35.66	42.14	42.14
300	63.84	69.76	69.76
305	91.15	97.64	97.64
310	112.31	119.50	119.50
315	124.81	132.47	132.47
320	127.59	135.35	135.35
325	120.84	128.35	128.35
330	105.97	112.94	112.94
335	85.67	92.01	92.01
340	64.70	70.63	70.63
345	52.06	57.98	57.98
350	57.48	63.37	63.37
355	75.84	81.95	81.95

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.

14 Mar 2019

Prepared by Audio Division, Media Bureau
Federal Communications Commission