WAAX GADSDEN, AL BL-12054 570 kHz

Nighttime

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

Power: 0.5 kW

Graph Maximum: 500 mV/m

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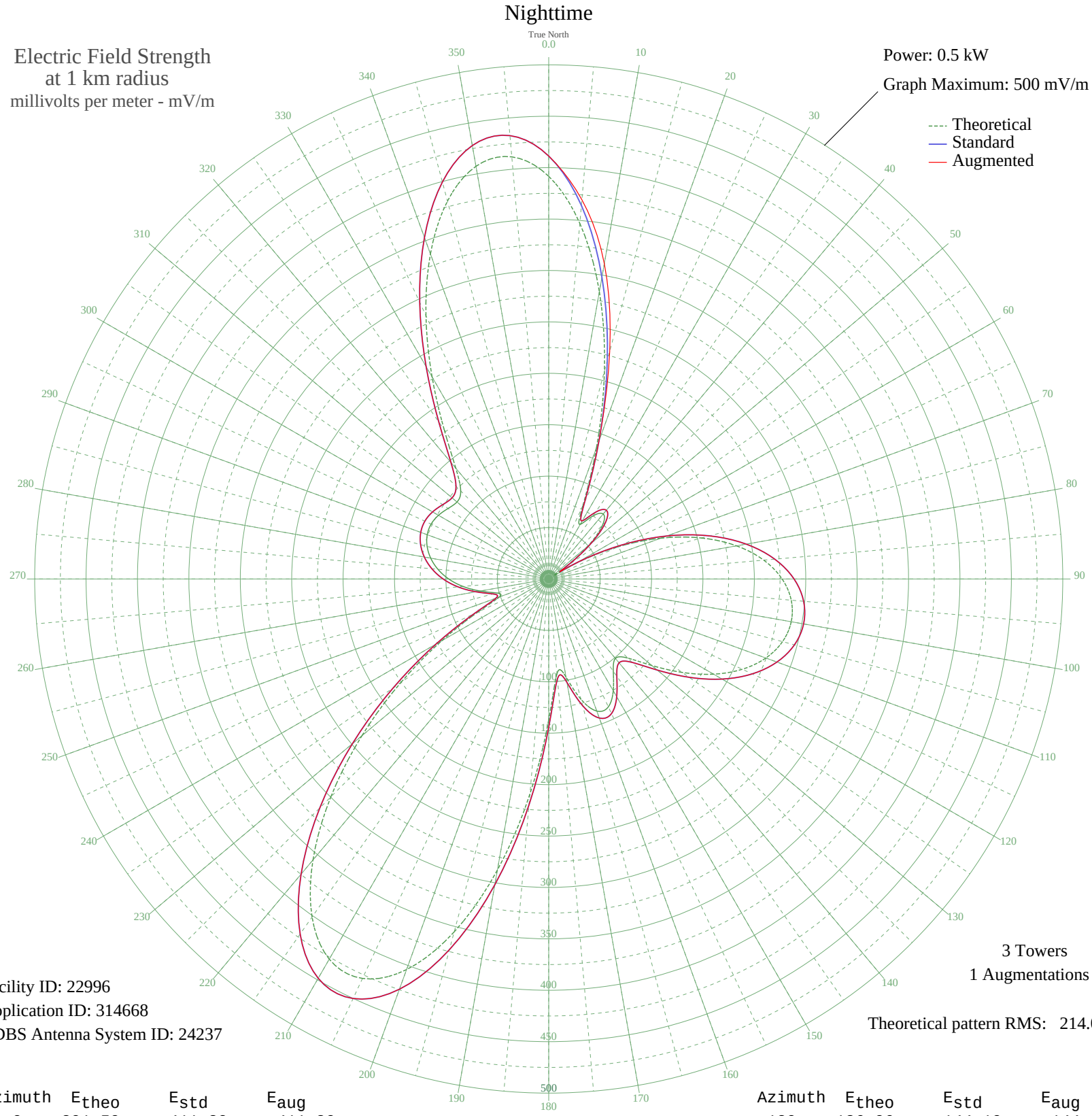
— Standard
— Augmented



3 Towers
1 Augmentations

Facility ID: 22996
Application ID: 314668
CDBS Antenna System ID: 24237

Theoretical pattern RMS: 214.04

Azimuth	E_{theo}	E_{std}	E_{aug}
0	391.59	411.30	411.30
5	347.15	364.66	370.19
10	283.67	298.04	311.38
15	209.47	220.19	229.24
20	135.76	142.93	142.93
25	78.36	82.95	82.95
30	61.28	65.19	65.19
35	74.70	79.13	79.13
40	82.50	87.25	87.25
45	74.03	78.43	78.43
50	50.01	53.55	53.55
55	15.16	19.07	19.07
60	29.35	32.56	32.56
65	73.45	77.83	77.83
70	115.97	122.22	122.22
75	153.91	161.95	161.95
80	185.53	195.09	195.09
85	209.98	220.73	220.73
90	227.05	238.63	238.63
95	236.82	248.89	248.89
100	239.55	251.75	251.75
105	235.46	247.46	247.46
110	224.77	236.24	236.24
115	207.78	218.43	218.43
120	185.17	194.71	194.71
125	158.45	166.70	166.70
130	130.88	137.82	137.82
135	108.79	114.71	114.71
140	100.86	106.43	106.43
145	109.55	115.50	115.50
150	125.56	132.26	132.26
155	137.25	144.50	144.50
160	136.73	143.95	143.95
165	121.13	127.61	127.61
170	96.76	102.14	102.14
175	92.23	97.41	97.41
180	136.96	144.19	144.19
185	209.94	220.68	220.68
190	287.43	301.98	301.98
195	355.34	373.25	373.25
200	404.24	424.58	424.58
205	428.62	450.17	450.17
210	426.93	448.40	448.40
215	401.31	421.51	421.51
220	356.72	374.70	374.70
225	299.70	314.87	314.87
230	237.21	249.29	249.29
235	175.54	184.62	184.62
240	120.04	126.48	126.48
245	75.84	80.32	80.32
250	50.99	54.56	54.56
255	52.56	56.18	56.18
260	67.66	71.82	71.82
265	83.67	88.48	88.48
270	97.30	102.70	102.70
275	108.20	114.09	114.09
280	116.56	122.83	122.83
285	122.45	129.00	129.00
290	125.75	132.46	132.46
295	126.21	132.94	132.94
300	123.82	130.44	130.44
305	119.52	125.93	125.93
310	116.45	122.72	122.72
315	121.04	127.52	127.52
320	140.58	147.98	147.98
325	177.24	186.40	186.40
330	226.90	238.47	238.47
335	282.56	296.87	296.87
340	336.39	353.36	353.36
345	380.45	399.61	399.61
350	407.50	428.01	428.01
355	412.07	432.80	432.80

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.

6 Oct 2022

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Federal Communications Commission