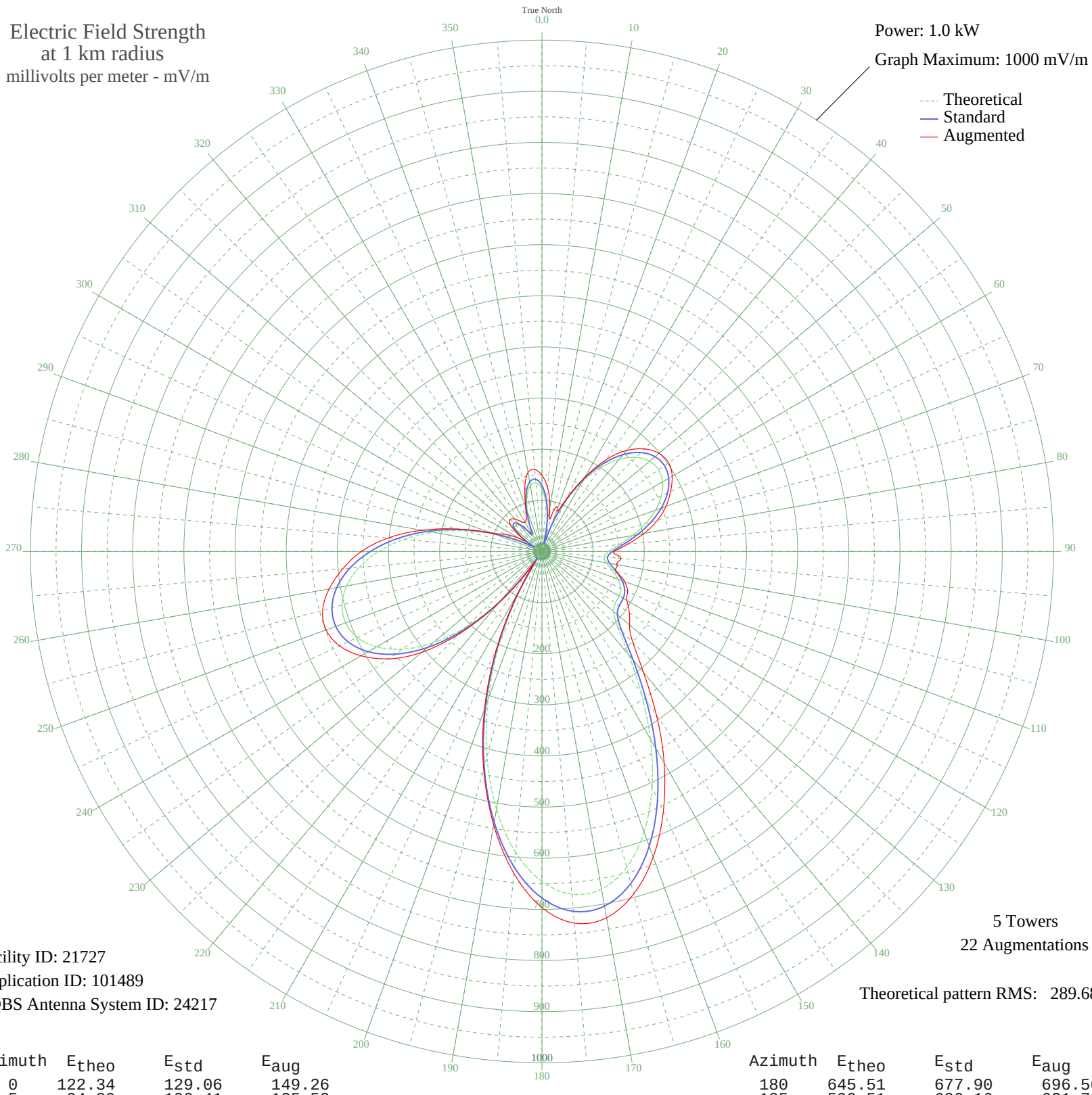
WHBQ MEMPHIS, TN BL-19870526AG 560 kHz

Nighttime

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



Power: 1.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

5 Towers
22 Augmentations

Facility ID: 21727
Application ID: 101489
CDBS Antenna System ID: 24217

Theoretical pattern RMS: 289.68

Azimuth	E_{theo}	E_{std}	E_{aug}
0	122.34	129.06	149.26
5	94.89	100.41	125.53
10	54.65	58.72	88.80
15	7.45	14.70	73.86
20	49.88	53.83	87.15
25	104.45	110.38	113.61
30	155.55	163.80	166.87
35	199.89	210.25	219.26
40	235.20	247.28	257.96
45	260.20	273.49	283.50
50	274.45	288.44	298.50
55	278.21	292.38	302.38
60	272.25	286.13	293.97
65	257.75	270.92	277.51
70	236.20	248.32	258.27
75	209.50	220.33	233.35
80	180.24	189.66	202.52
85	152.17	160.26	169.23
90	130.74	137.84	140.94
95	122.00	128.70	155.31
100	127.71	134.67	148.87
105	142.40	150.04	150.04
110	158.23	166.60	172.20
115	169.51	178.42	185.07
120	174.25	183.39	191.56
125	175.51	184.70	208.54
130	183.00	192.55	223.73
135	210.24	221.10	251.28
140	263.81	277.28	309.02
145	338.59	355.74	389.89
150	424.05	445.43	477.85
155	509.17	534.78	561.53
160	583.91	613.24	636.04
165	639.84	671.94	693.48
170	670.69	704.34	727.49
175	672.85	706.61	729.69

Azimuth	E_{theo}	E_{std}	E_{aug}
180	645.51	677.90	696.56
185	590.51	620.16	631.72
190	511.90	537.64	543.23
195	415.29	436.23	440.50
200	307.04	322.63	328.70
205	193.64	203.71	209.96
210	81.11	86.07	91.17
215	26.64	30.61	35.94
220	123.23	129.99	131.36
225	207.78	218.53	226.67
230	278.14	292.31	307.21
235	333.38	350.27	366.30
240	373.30	392.16	408.23
245	398.10	418.19	436.65
250	408.28	428.88	448.97
255	404.54	424.95	443.79
260	387.73	407.30	422.50
265	358.88	377.03	390.97
270	319.34	335.54	352.91
275	270.87	284.68	301.78
280	215.75	226.88	238.66
285	156.91	165.23	169.00
290	97.89	103.54	106.41
295	43.03	46.86	78.46
300	12.56	18.14	48.86
305	44.41	48.26	51.57
310	66.47	70.89	79.27
315	73.31	77.97	88.51
320	65.41	69.80	82.85
325	47.05	50.94	71.60
330	33.86	37.67	65.98
335	51.88	55.88	72.96
340	83.90	88.97	93.46
345	112.60	118.89	129.35
350	130.76	137.87	156.77
355	134.51	141.79	160.66

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