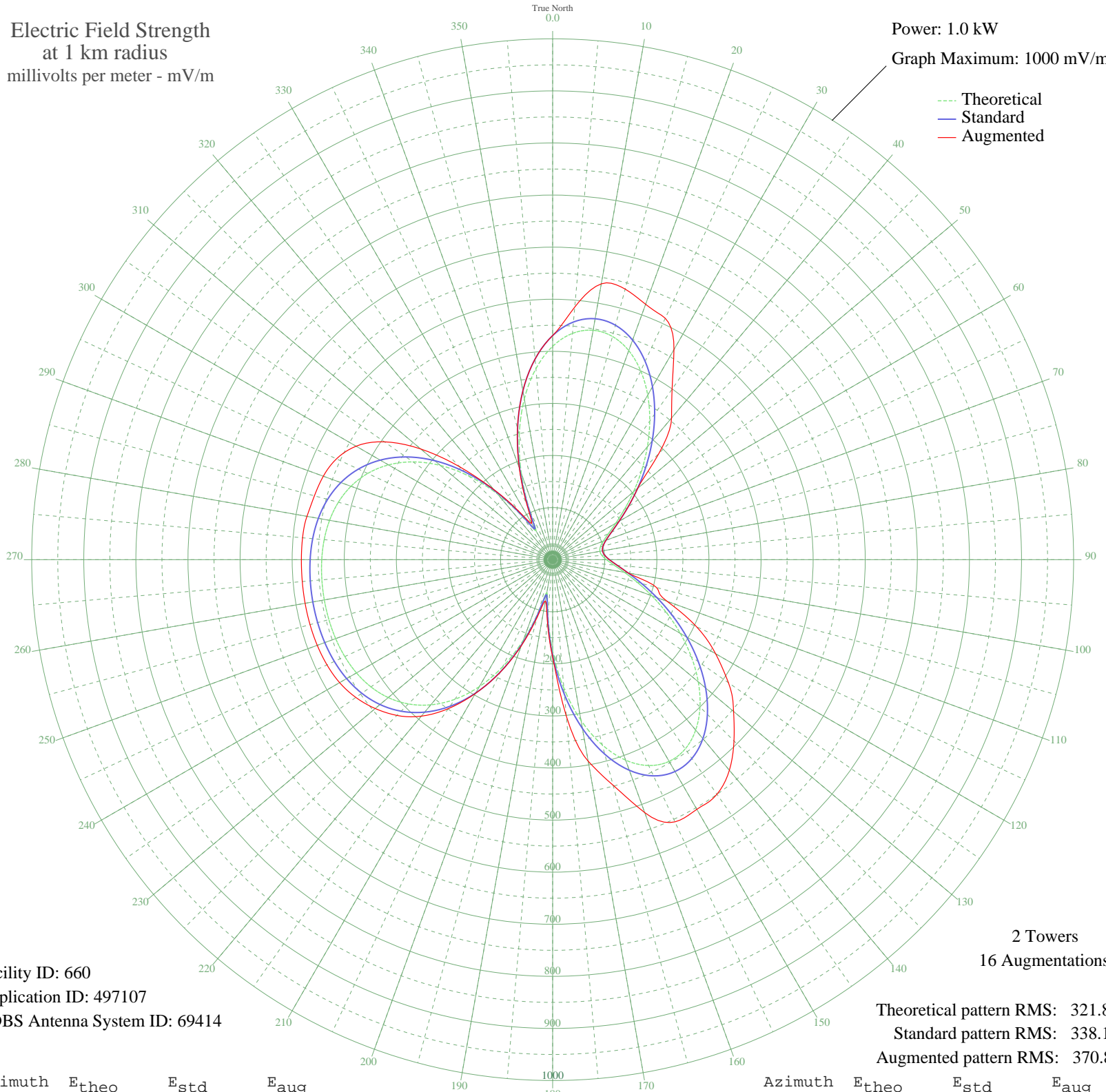


WGBF EVANSVILLE, IN BL-20000428AAL 1280 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m



Facility ID: 660
Application ID: 497107
CDBS Antenna System ID: 69414

2 Towers
16 Augmentations

Theoretical pattern RMS: 321.87
Standard pattern RMS: 338.13
Augmented pattern RMS: 370.81

Azimuth	E _{theo}	E _{std}	E _{aug}
0	409.64	430.25	430.25
5	436.11	458.04	486.84
10	447.21	469.69	537.70
15	443.67	465.97	537.78
20	427.13	448.61	521.79
25	399.96	420.08	511.40
30	364.91	383.30	465.66
35	324.92	341.33	399.72
40	282.85	297.18	355.10
45	241.29	253.57	288.42
50	202.47	212.85	212.85
55	168.19	176.92	176.92
60	139.80	147.17	147.17
65	118.09	124.44	124.44
70	103.23	108.90	108.90
75	94.79	100.08	100.08
80	92.08	97.25	97.25
85	94.79	100.08	100.08
90	103.23	108.90	108.90
95	118.09	124.44	124.44
100	139.80	147.17	147.17
105	168.19	176.92	206.30
110	202.47	212.85	233.80
115	241.29	253.57	304.76
120	282.85	297.18	361.18
125	324.92	341.33	411.93
130	364.91	383.30	453.36
135	399.96	420.08	492.23
140	427.13	448.61	527.74
145	443.67	465.97	549.83
150	447.21	469.69	553.50
155	436.11	458.04	555.41
160	409.64	430.25	516.82
165	368.18	386.73	448.34
170	313.26	329.09	392.90
175	247.62	260.21	301.69

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	175.47	184.55	187.05
185	104.64	110.38	117.35
190	63.96	67.98	80.50
195	100.78	106.34	113.56
200	164.48	173.02	175.69
205	226.63	238.19	238.77
210	281.47	295.73	296.53
215	327.30	343.83	349.19
220	363.87	382.20	392.22
225	391.72	411.44	422.90
230	411.94	432.66	444.65
235	425.83	447.25	461.21
240	434.82	456.68	472.21
245	440.24	462.37	477.96
250	443.23	465.51	480.86
255	444.67	467.02	482.15
260	445.09	467.46	482.50
265	444.67	467.02	482.44
270	443.23	465.51	482.34
275	440.24	462.37	481.91
280	434.82	456.68	478.90
285	425.83	447.25	473.47
290	411.94	432.66	468.47
295	391.72	411.44	457.90
300	363.87	382.20	435.70
305	327.30	343.83	394.42
310	281.47	295.73	330.66
315	226.63	238.19	251.83
320	164.48	173.02	175.69
325	100.78	106.34	113.56
330	63.96	67.98	80.50
335	104.64	110.38	117.35
340	175.47	184.55	187.05
345	247.62	260.22	260.74
350	313.26	329.09	329.09
355	368.18	386.73	386.73