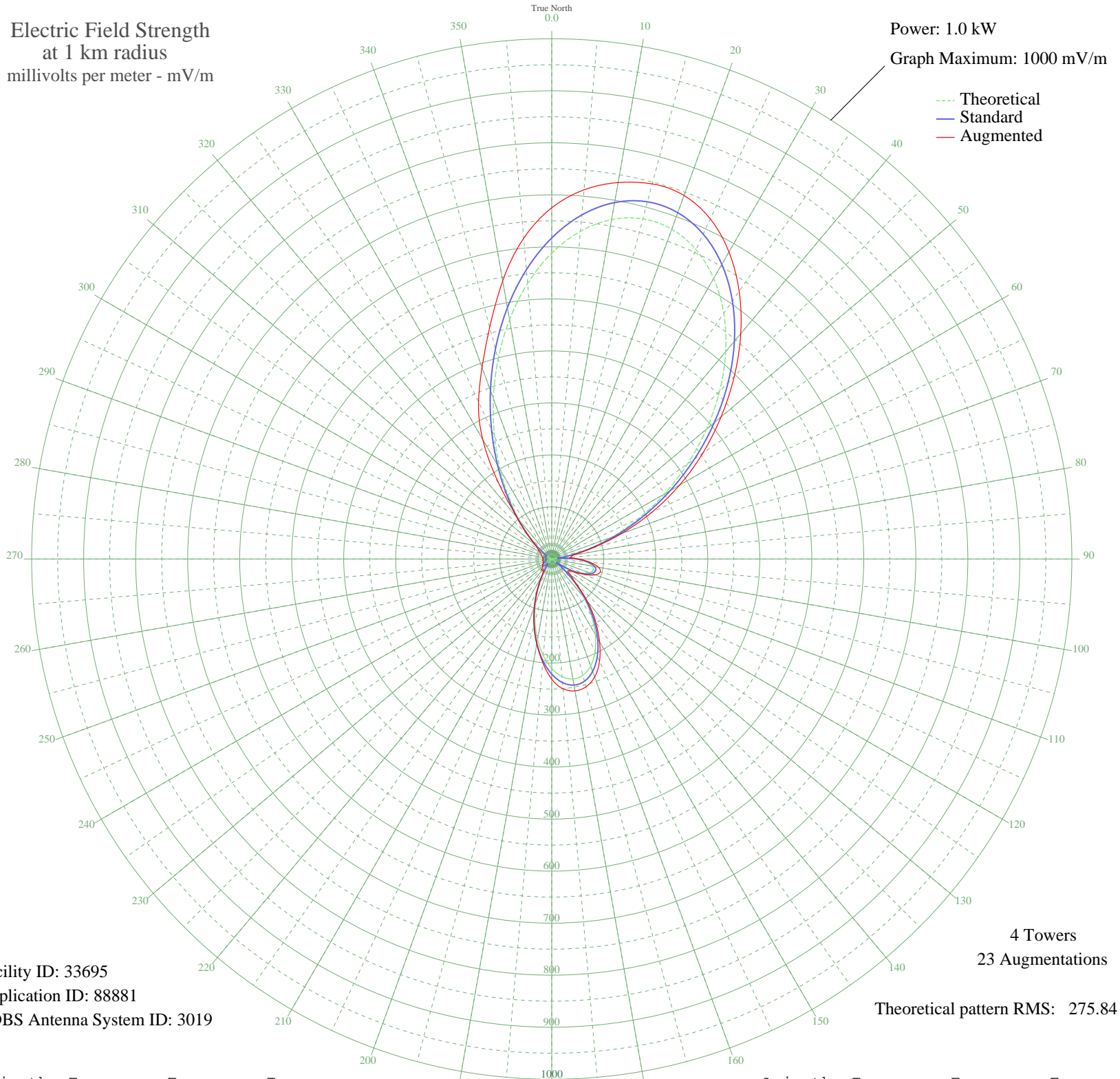


**WGVS MUSKEGON, MI BL-19860604AD 850 kHz**

Unlimited Time

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 33695  
Application ID: 88881  
CDBS Antenna System ID: 3019

4 Towers  
23 Augmentations

Theoretical pattern RMS: 275.84

Azimuth	Etheo	Estd	Eaug
0	587.70	617.18	675.11
5	632.21	663.91	712.37
10	662.51	695.71	734.80
15	676.88	710.81	746.48
20	674.66	708.47	743.61
25	656.20	689.09	721.37
30	622.84	654.06	681.53
35	576.65	605.57	628.27
40	520.26	546.38	565.34
45	456.58	479.52	496.33
50	388.54	408.11	424.92
55	318.97	335.08	354.52
60	250.37	263.10	283.50
65	184.93	194.46	212.25
70	124.39	131.03	142.58
75	70.16	74.41	79.06
80	23.27	26.60	40.37
85	15.52	19.38	36.03
90	45.71	49.13	49.49
95	67.00	71.13	74.06
100	79.27	83.89	91.18
105	82.54	87.30	96.56
110	77.05	81.58	89.06
115	63.23	67.22	70.31
120	41.77	45.10	51.32
125	13.68	17.79	39.69
130	19.70	23.20	45.78
135	56.68	60.44	63.69
140	95.23	100.54	107.09
145	133.05	140.10	147.09
150	167.76	176.46	183.98
155	197.02	207.14	217.27
160	218.77	229.94	241.40
165	231.45	243.24	254.30
170	234.19	246.12	257.46
175	226.95	238.53	250.41

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	210.52	221.29	230.93
185	186.47	196.07	199.74
190	156.98	165.16	165.16
195	124.57	131.22	131.22
200	91.84	97.00	97.00
205	61.15	65.06	65.06
210	34.40	37.62	37.62
215	12.90	17.14	25.57
220	2.77	10.90	28.97
225	12.65	16.93	26.07
230	17.36	21.03	22.53
235	17.89	21.52	22.24
240	15.50	19.36	19.31
245	11.46	15.97	18.13
250	6.98	12.81	17.70
255	3.05	10.98	17.22
260	0.36	10.51	17.70
265	0.71	10.53	16.80
270	0.15	10.50	17.13
275	1.72	10.65	17.23
280	4.25	11.41	17.55
285	6.52	12.54	19.31
290	7.34	13.03	21.46
295	5.34	11.90	22.53
300	0.97	10.55	25.74
305	13.11	17.31	32.19
310	32.47	35.68	40.51
315	60.21	64.09	64.09
320	97.07	102.47	102.47
325	143.22	150.75	178.17
330	198.12	208.29	265.42
335	260.44	273.67	333.13
340	328.06	344.62	391.81
345	398.10	418.14	460.99
350	467.18	490.65	542.83
355	531.60	558.27	618.96