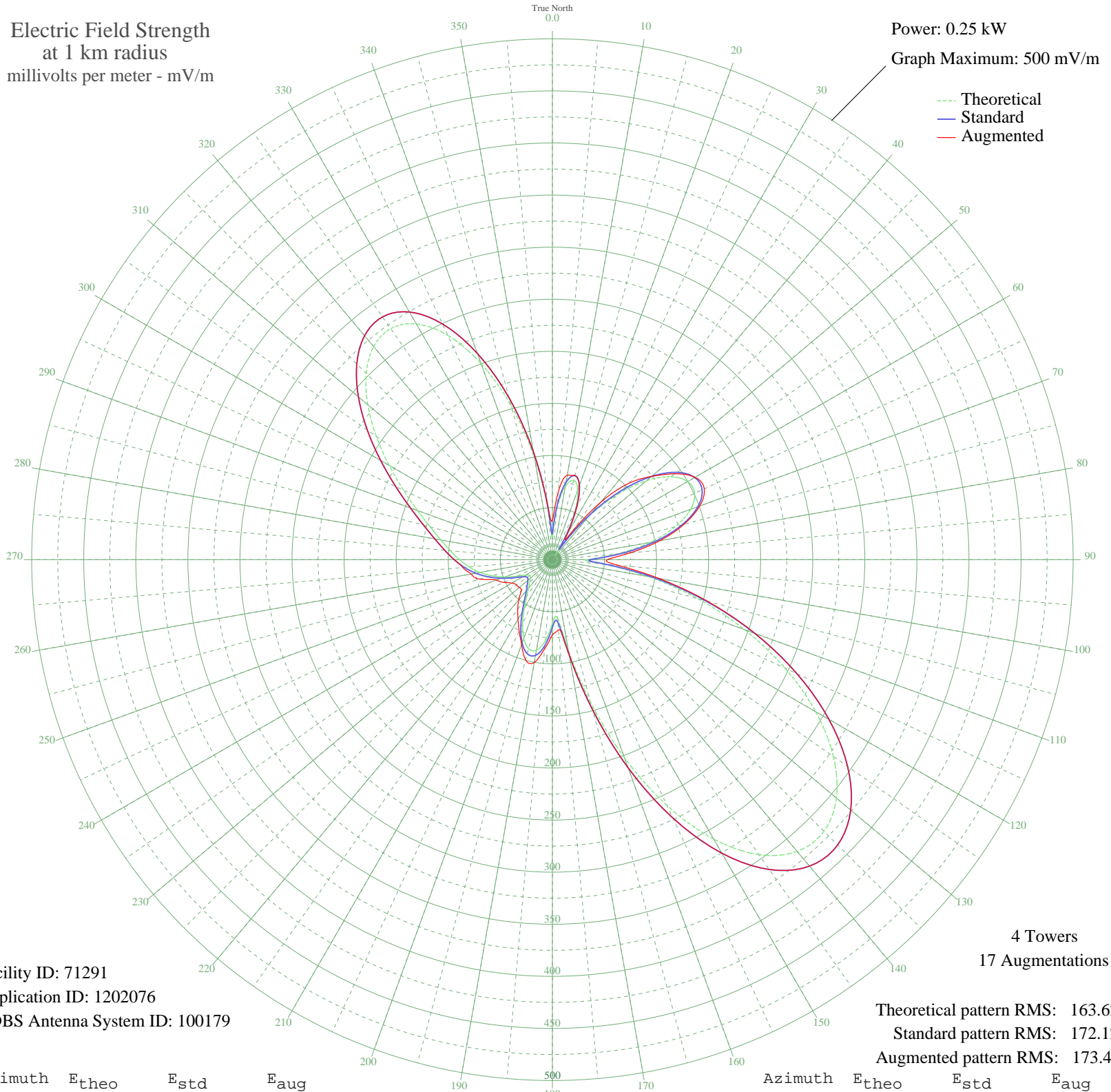


# WCPC HOUSTON, MS BL-20070822AED 940 kHz

Nighttime

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m



Facility ID: 71291  
Application ID: 1202076  
CDBS Antenna System ID: 100179

4 Towers  
17 Augmentations

Theoretical pattern RMS: 163.62  
Standard pattern RMS: 172.12  
Augmented pattern RMS: 173.42

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	21.62	25.02	37.72
5	48.74	52.24	65.46
10	71.18	75.47	82.25
15	78.86	83.46	83.69
20	71.37	75.67	75.83
25	50.71	54.28	54.72
30	20.53	23.98	29.23
35	16.92	20.63	31.33
40	53.97	57.63	71.24
45	88.84	93.87	103.58
50	117.92	124.26	124.42
55	138.79	146.10	143.77
60	149.94	157.79	158.16
65	150.74	158.63	160.93
70	141.28	148.71	150.55
75	122.26	128.80	130.66
80	94.99	100.29	104.67
85	61.98	65.92	74.91
90	33.31	36.52	52.70
95	48.57	52.07	63.85
100	93.54	98.78	104.01
105	144.52	152.11	154.19
110	196.49	206.58	207.17
115	246.56	259.10	259.14
120	291.87	306.64	306.64
125	329.37	346.00	346.00
130	355.95	373.90	373.90
135	368.74	387.32	387.32
140	365.61	384.03	384.03
145	345.66	363.09	363.09
150	309.67	325.33	325.33
155	260.35	273.57	273.57
160	202.27	212.65	212.65
165	141.86	149.32	149.32
170	87.98	92.97	92.97
175	56.38	60.12	67.49

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	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	61.09	65.00	72.21
185	78.10	82.68	86.04
190	88.30	93.31	100.26
195	88.44	93.46	99.58
200	80.36	85.03	86.61
205	67.63	71.78	75.56
210	54.15	57.82	66.05
215	43.09	46.44	58.07
220	35.66	38.89	50.31
225	30.88	34.08	42.32
230	27.48	30.70	41.38
235	26.26	29.51	42.17
240	29.60	32.81	44.94
245	37.76	41.01	51.50
250	48.54	52.04	57.11
255	59.86	63.73	72.38
260	70.55	74.82	79.27
265	80.23	84.89	86.36
270	89.22	94.27	94.27
275	98.34	103.79	103.79
280	108.73	114.65	114.65
285	121.56	128.07	128.07
290	137.76	145.03	145.03
295	157.72	165.94	165.94
300	181.05	190.39	190.39
305	206.38	216.95	216.95
310	231.35	243.14	243.14
315	252.77	265.62	265.62
320	267.04	280.59	280.59
325	270.73	284.46	284.46
330	261.25	274.51	274.51
335	237.51	249.61	249.61
340	200.39	210.67	210.67
345	152.81	160.79	160.79
350	99.62	105.13	105.13
355	47.84	51.32	52.76