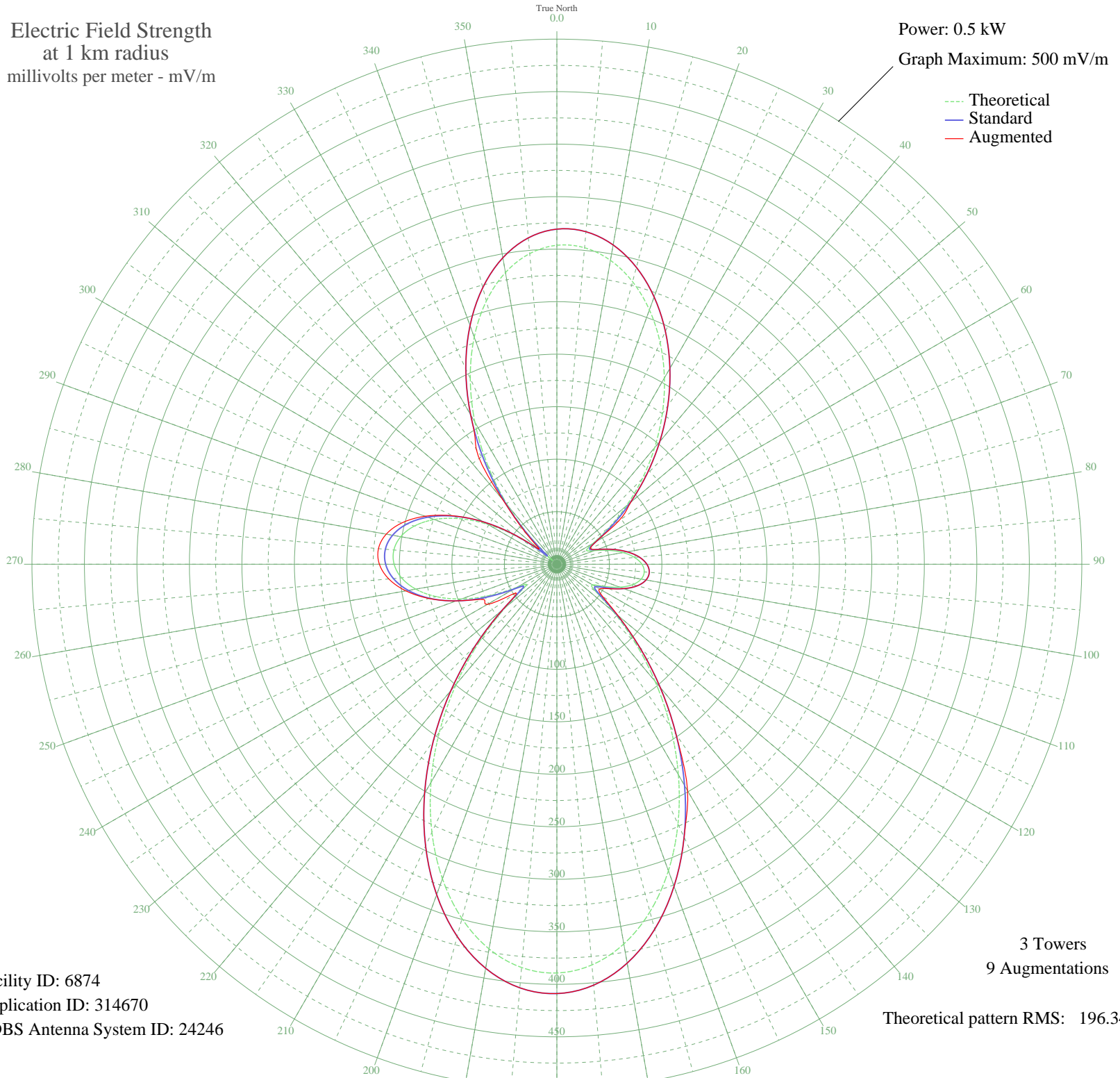


# WKYX PADUCAH, KY BL-- 570 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 6874  
Application ID: 314670  
CDBS Antenna System ID: 24246

3 Towers  
9 Augmentations  
Theoretical pattern RMS: 196.34

Azimuth	Etheo	Estd	Eaug
0	303.73	319.09	319.09
5	302.53	317.83	317.83
10	293.84	308.71	308.71
15	278.53	292.64	292.64
20	257.74	270.84	270.84
25	232.75	244.61	244.61
30	204.81	215.31	215.31
35	175.15	184.21	184.21
40	144.86	152.47	152.47
45	114.93	121.13	121.13
50	86.34	91.26	91.87
55	60.41	64.29	71.97
60	39.80	43.09	43.09
65	31.05	34.25	35.41
70	37.87	41.13	41.13
75	51.08	54.66	54.66
80	64.00	68.02	68.02
85	74.31	78.73	78.73
90	81.01	85.71	85.71
95	83.54	88.34	88.34
100	81.53	86.25	86.25
105	74.86	79.30	79.30
110	63.82	67.83	67.87
115	50.00	53.54	55.16
120	39.25	42.53	47.03
125	45.10	48.51	52.76
130	70.11	74.36	75.86
135	105.23	110.99	111.09
140	145.52	153.15	153.15
145	188.32	198.01	198.01
150	231.48	243.28	249.00
155	272.92	286.76	286.76
160	310.60	326.30	326.30
165	342.58	359.87	359.87
170	367.16	385.67	385.67
175	383.00	402.29	402.29

Azimuth	Etheo	Estd	Eaug
180	389.22	408.82	408.82
185	385.47	404.88	404.88
190	371.93	390.66	390.66
195	349.29	366.91	366.91
200	318.71	334.81	334.81
205	281.65	295.92	295.92
210	239.82	252.03	252.03
215	195.03	205.06	205.06
220	149.21	157.02	157.02
225	104.40	110.12	110.12
230	63.66	67.67	67.67
235	36.30	39.54	47.58
240	43.98	47.36	76.42
245	70.33	74.58	79.14
250	96.66	102.03	102.03
255	119.07	125.46	126.05
260	136.49	143.70	146.05
265	148.53	156.31	160.70
270	155.02	163.10	169.07
275	155.86	163.99	170.59
280	151.02	158.92	165.04
285	140.52	147.91	152.54
290	124.39	131.03	133.61
295	102.78	108.43	109.11
300	75.95	80.43	80.43
305	44.37	47.76	47.76
310	9.65	14.59	22.35
315	31.46	34.66	40.22
320	72.62	76.97	79.57
325	114.75	120.95	133.93
330	156.17	164.31	164.31
335	195.18	205.20	205.20
340	230.12	241.85	241.85
345	259.49	272.67	272.67
350	282.04	296.33	296.33
355	296.92	311.95	311.95

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