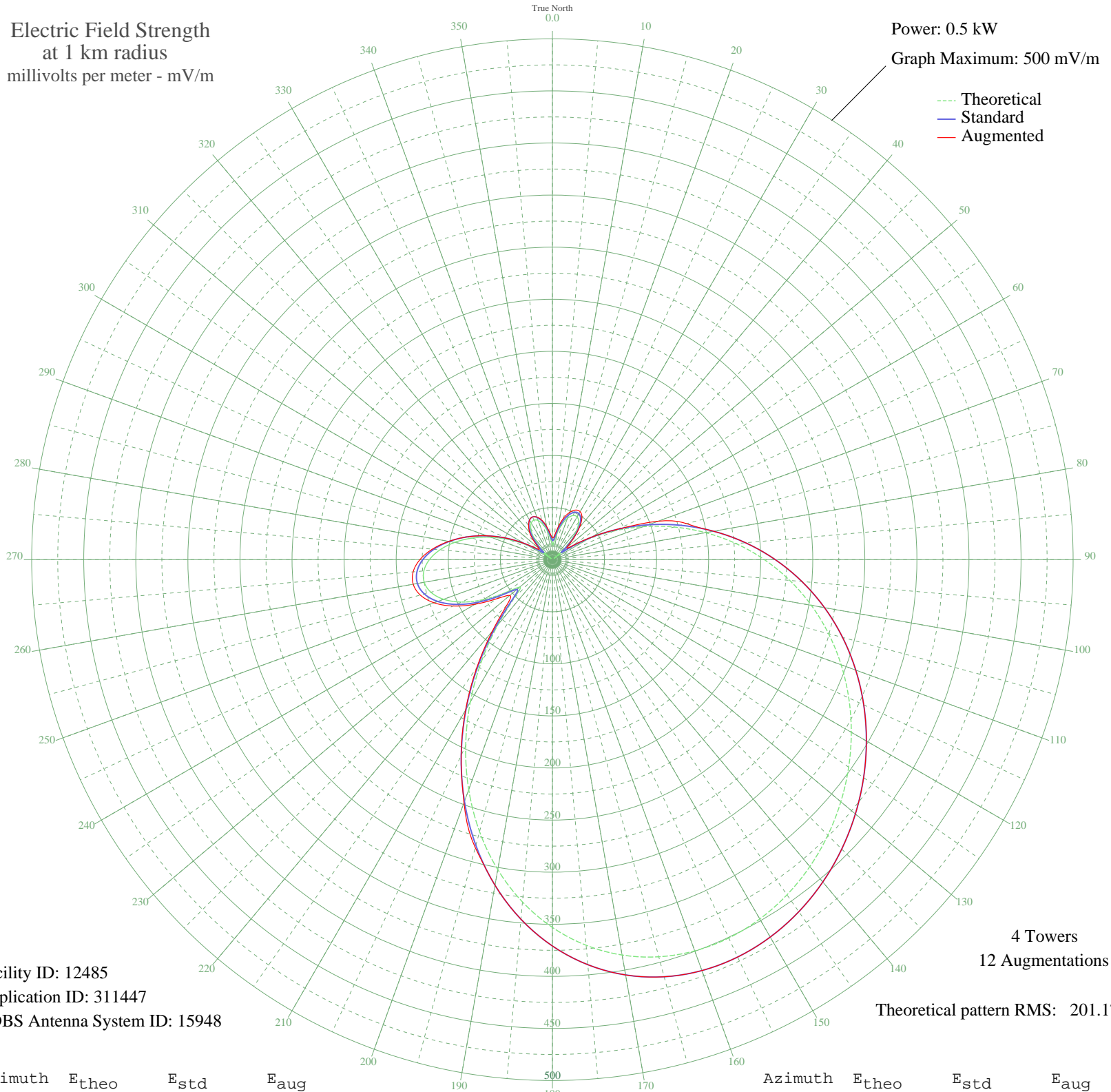


# WEIC CHARLESTON, IL BL-- 1270 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 12485  
Application ID: 311447  
CDBS Antenna System ID: 15948

4 Towers  
12 Augmentations

Theoretical pattern RMS: 201.17

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	14.30	18.32	21.06
5	17.13	20.82	23.29
10	25.69	28.95	31.62
15	34.82	38.04	41.06
20	42.26	45.60	48.24
25	46.76	50.21	52.54
30	47.50	50.97	53.19
35	43.91	47.29	49.44
40	35.74	38.97	40.31
45	23.00	26.33	28.12
50	5.96	12.23	18.36
55	14.86	18.80	22.97
60	38.77	42.04	42.80
65	64.99	69.04	69.04
70	92.68	97.87	107.89
75	121.03	127.52	133.47
80	149.34	157.15	157.18
85	177.00	186.15	186.20
90	203.59	214.03	214.09
95	228.80	240.47	240.53
100	252.48	265.31	265.35
105	274.56	288.47	288.49
110	295.05	309.98	309.98
115	313.99	329.85	329.85
120	331.40	348.13	348.13
125	347.29	364.80	364.80
130	361.55	379.78	379.78
135	374.06	392.90	392.90
140	384.56	403.93	403.93
145	392.76	412.54	412.54
150	398.29	418.34	418.34
155	400.73	420.90	420.90
160	399.66	419.77	419.77
165	394.67	414.53	414.53
170	385.40	404.80	404.80
175	371.58	390.30	390.30

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 <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	353.06	370.86	370.86
185	329.84	346.49	346.49
190	302.11	317.39	317.39
195	270.27	283.97	286.18
200	234.94	246.92	248.28
205	197.01	207.13	207.39
210	157.60	165.81	166.68
215	118.21	124.56	126.60
220	81.10	85.80	89.88
225	51.13	54.71	62.02
230	40.97	44.28	53.37
235	55.37	59.08	65.58
240	76.80	81.32	85.60
245	96.27	101.62	105.30
250	111.20	117.23	121.01
255	120.80	127.27	131.30
260	124.95	131.61	135.72
265	123.89	130.51	134.23
270	118.14	124.49	127.23
275	108.36	114.26	115.73
280	95.34	100.65	101.02
285	79.91	84.56	84.56
290	62.93	66.91	66.91
295	45.24	48.65	48.65
300	27.63	30.85	31.08
305	10.84	15.49	18.87
310	4.46	11.50	16.75
315	17.69	21.34	24.86
320	28.36	31.58	33.88
325	36.09	39.33	39.76
330	40.64	43.94	43.94
335	41.89	45.22	45.22
340	39.94	43.23	43.54
345	35.09	38.31	39.24
350	27.96	31.18	32.50
355	19.86	23.35	25.34