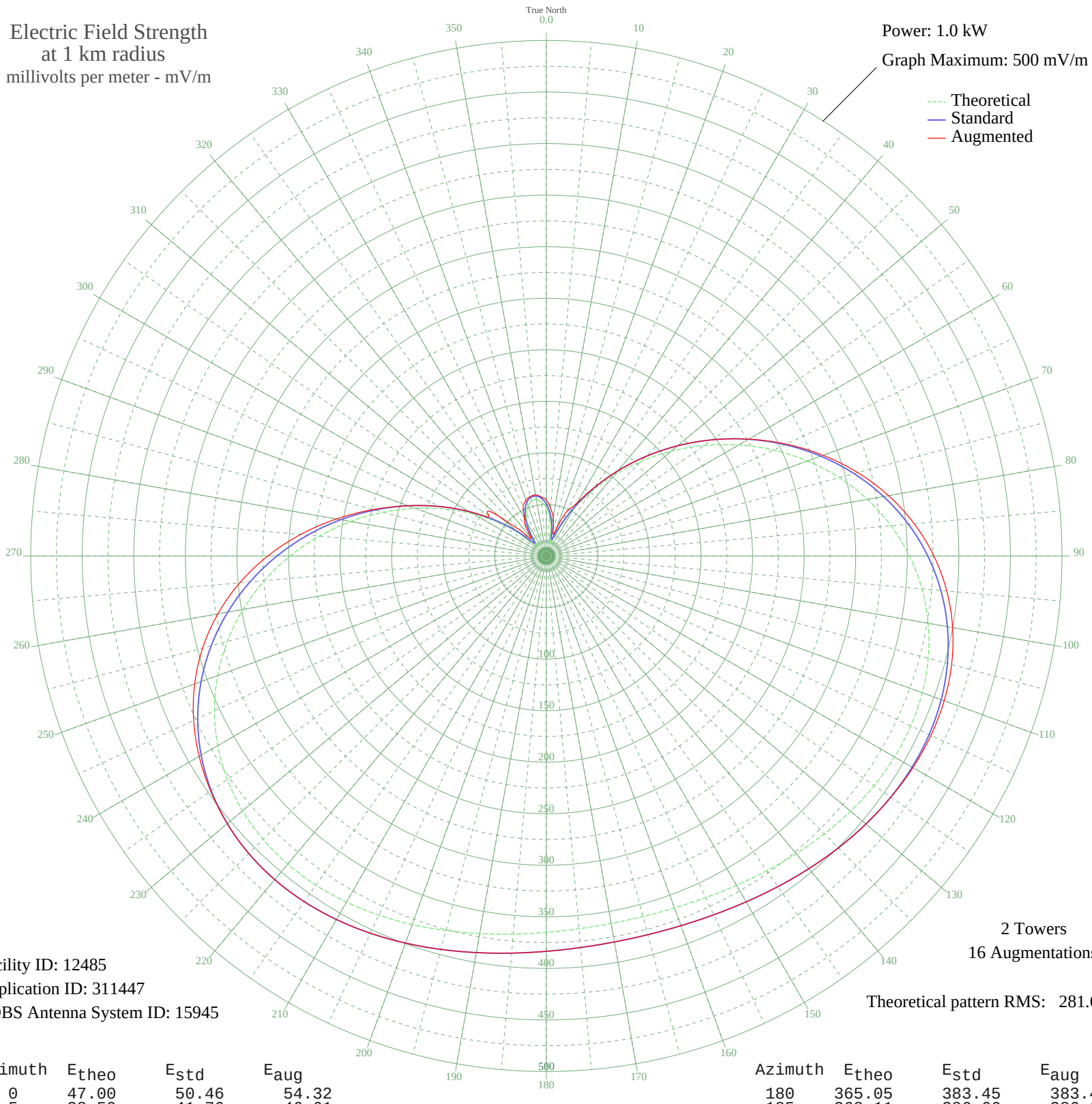
WEIC CHARLESTON, IL BL-- 1270 kHz

Daytime

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



Power: 1.0 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

2 Towers
16 Augmentations

Facility ID: 12485
Application ID: 311447
CDBS Antenna System ID: 15945

Theoretical pattern RMS: 281.64

Azimuth	E_{theo}	E_{std}	E_{aug}
0	47.00	50.46	54.32
5	38.50	41.76	46.61
10	27.49	30.72	38.18
15	15.63	19.49	25.47
20	14.26	18.29	26.80
25	30.27	33.47	48.28
30	51.73	55.33	59.04
35	75.92	80.40	81.05
40	102.05	107.67	107.67
45	129.60	136.49	136.49
50	158.04	166.28	166.28
55	186.82	196.44	196.44
60	215.36	226.37	226.66
65	243.10	255.47	256.68
70	269.47	283.14	285.60
75	293.96	308.84	312.59
80	316.13	332.10	336.95
85	335.60	352.54	358.14
90	352.14	369.90	375.80
95	365.61	384.03	389.77
100	375.97	394.91	400.05
105	383.34	402.64	406.85
110	387.91	407.44	410.52
115	389.98	409.61	411.54
120	389.92	409.55	410.47
125	388.14	407.68	407.92
130	385.09	404.48	404.48
135	381.21	400.41	400.41
140	376.95	395.94	395.94
145	372.70	391.47	391.47
150	368.81	387.40	387.40
155	365.60	384.02	384.02
160	363.28	381.58	381.58
165	362.02	380.26	380.26
170	361.90	380.14	380.14
175	362.94	381.23	381.23

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	365.05	383.45	383.45
185	368.11	386.66	386.66
190	371.88	390.62	390.62
195	376.09	395.03	395.03
200	380.38	399.54	399.54
205	384.36	403.72	403.72
210	387.62	407.13	407.13
215	389.68	409.30	409.30
220	390.12	409.76	409.76
225	388.51	408.07	408.07
230	384.47	403.83	403.85
235	377.68	396.70	397.40
240	367.93	386.46	388.71
245	355.09	372.99	377.35
250	339.15	356.27	362.89
255	320.25	336.42	344.99
260	298.59	313.70	323.48
265	274.53	288.45	298.40
270	248.50	261.14	270.10
275	220.99	232.28	239.22
280	192.57	202.47	206.73
285	163.79	172.30	173.91
290	135.24	142.39	142.44
295	107.47	113.33	113.33
300	81.01	85.70	85.70
305	56.38	60.13	67.86
310	34.28	37.50	60.03
315	16.62	20.37	33.27
320	13.78	17.88	23.17
325	25.07	28.34	34.83
330	36.48	39.71	42.65
335	45.52	48.94	53.11
340	51.77	55.36	57.48
345	55.06	58.76	59.76
350	55.36	59.07	60.13
355	52.66	56.28	57.58