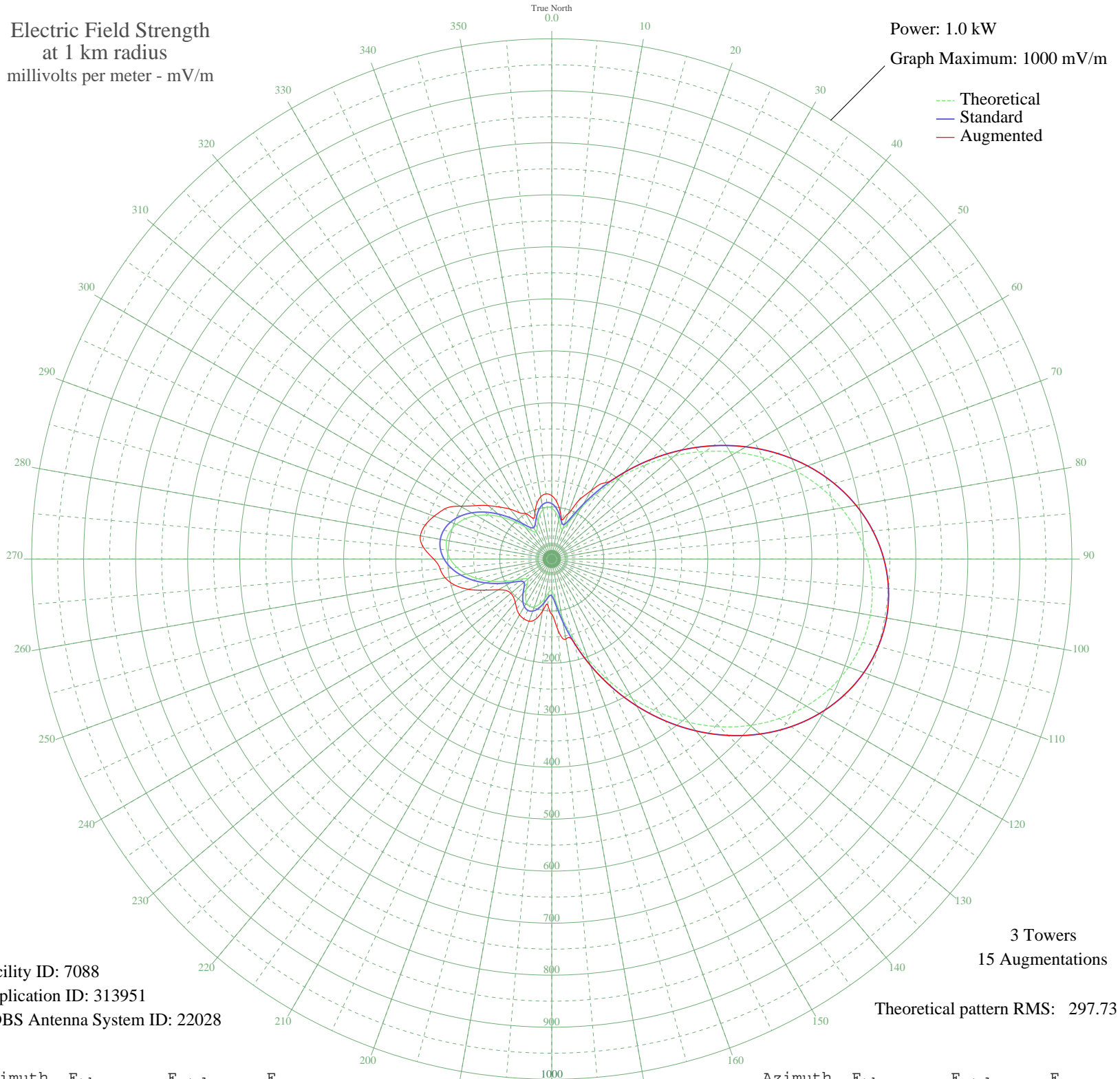


# WBCU UNION, SC BL-- 1460 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 7088  
Application ID: 313951  
CDBS Antenna System ID: 22028

3 Towers  
15 Augmentations  
Theoretical pattern RMS: 297.73

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	97.74	106.56	121.73
5	89.60	98.35	110.17
10	76.97	85.75	92.94
15	64.15	73.20	77.13
20	61.41	70.57	92.62
25	78.90	87.66	125.80
30	113.04	122.11	151.97
35	156.60	166.91	178.62
40	205.35	217.52	217.52
45	256.78	271.14	271.14
50	309.00	325.72	325.72
55	360.47	379.58	379.58
60	409.83	431.27	431.27
65	455.91	479.56	479.56
70	497.70	523.37	523.37
75	534.37	561.82	561.82
80	565.23	594.18	594.18
85	589.75	619.91	619.91
90	607.54	638.56	638.56
95	618.32	649.87	649.87
100	621.93	653.66	653.66
105	618.32	649.87	649.87
110	607.54	638.56	638.56
115	589.75	619.91	619.91
120	565.23	594.18	594.18
125	534.37	561.82	561.82
130	497.70	523.37	523.37
135	455.91	479.56	479.56
140	409.83	431.27	431.27
145	360.47	379.58	379.58
150	309.00	325.72	325.72
155	256.78	271.14	271.14
160	205.35	217.52	217.52
165	156.60	166.91	166.91
170	113.04	122.11	156.38
175	78.90	87.66	137.13

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	61.41	70.57	106.22
185	64.15	73.20	88.51
190	76.97	85.75	101.51
195	89.60	98.35	119.77
200	97.74	106.56	127.18
205	100.10	108.95	126.95
210	96.68	105.48	123.82
215	88.36	97.11	117.25
220	76.97	85.75	109.12
225	65.83	74.83	103.96
230	60.36	69.57	102.61
235	65.75	74.75	106.04
240	81.29	90.05	118.37
245	102.37	111.24	141.63
250	125.11	134.46	170.46
255	147.12	157.12	193.25
260	166.83	177.50	208.04
265	183.15	194.43	215.60
270	195.32	207.08	227.09
275	202.82	214.88	247.03
280	205.35	217.52	256.48
285	202.82	214.88	251.93
290	195.32	207.08	240.64
295	183.15	194.43	227.64
300	166.83	177.50	203.13
305	147.12	157.12	178.77
310	125.11	134.46	159.69
315	102.37	111.24	141.16
320	81.29	90.05	125.34
325	65.75	74.75	108.75
330	60.36	69.57	101.26
335	65.83	74.83	86.83
340	76.97	85.75	94.67
345	88.36	97.11	110.50
350	96.68	105.48	121.58
355	100.10	108.95	125.63