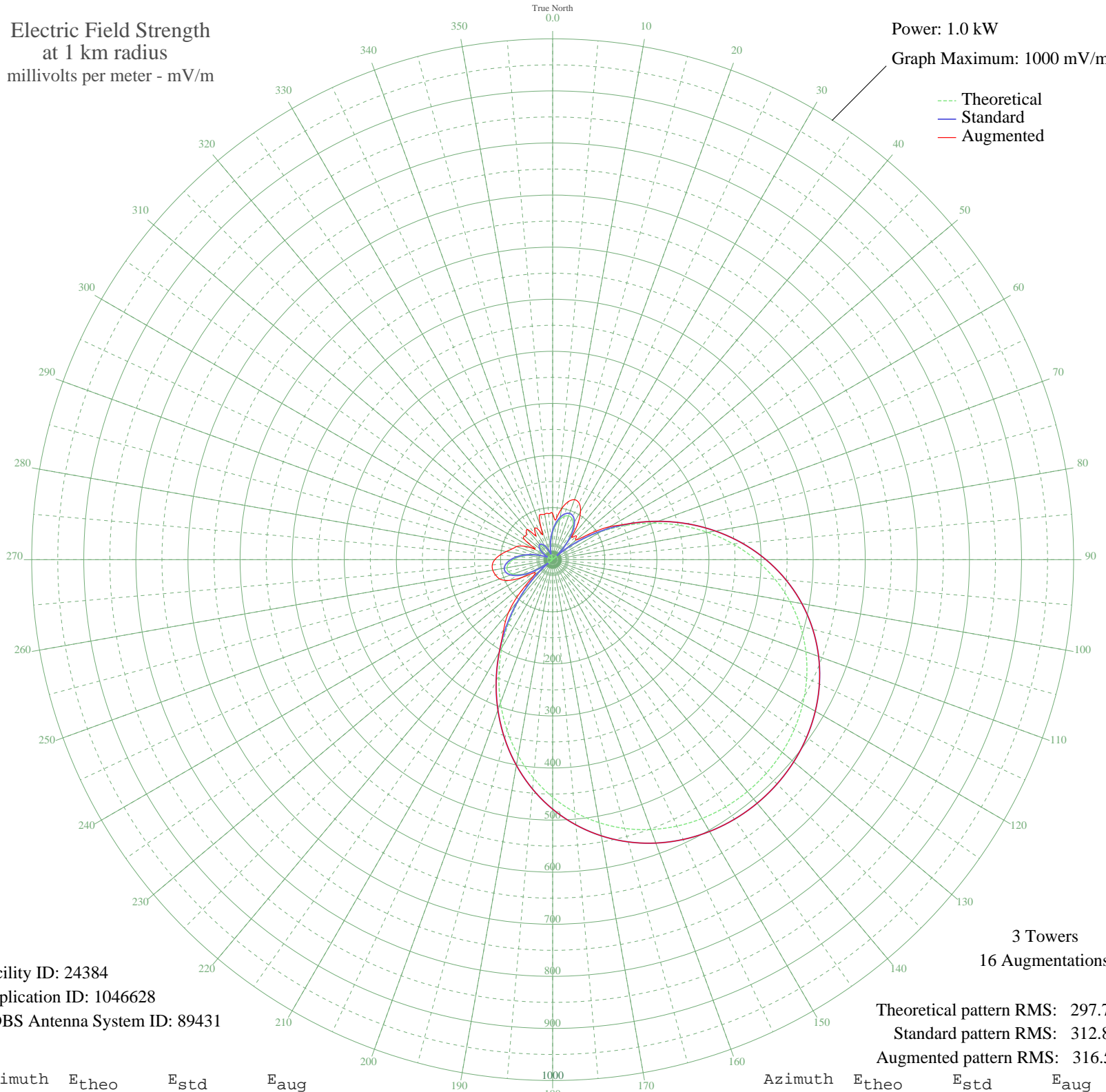


WJRD TUSCALOOSA, AL BL-20050128ASN 1150 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m



Facility ID: 24384
Application ID: 1046628
CDBS Antenna System ID: 89431

3 Towers
16 Augmentations

Theoretical pattern RMS: 297.73
Standard pattern RMS: 312.81
Augmented pattern RMS: 316.56

Azimuth	E _{theo}	E _{std}	E _{aug}
0	52.11	55.80	88.59
5	66.24	70.41	78.46
10	77.92	82.54	99.53
15	86.00	90.96	115.13
20	89.42	94.53	122.45
25	87.24	92.25	119.93
30	78.72	83.37	107.02
35	63.39	67.46	84.12
40	41.13	44.56	56.53
45	12.14	16.81	64.62
50	23.03	26.54	58.73
55	63.50	67.57	85.67
60	108.16	114.10	126.81
65	155.70	163.85	163.85
70	204.72	215.23	215.23
75	253.84	266.76	266.76
80	301.79	317.07	317.07
85	347.42	364.96	364.96
90	389.84	409.48	409.48
95	428.37	449.93	449.93
100	462.58	485.83	485.83
105	492.24	516.97	516.97
110	517.33	543.31	543.31
115	537.95	564.96	564.96
120	554.30	582.12	582.12
125	566.62	595.05	595.05
130	575.12	603.98	603.98
135	580.01	609.10	609.10
140	581.39	610.56	610.56
145	579.31	608.38	608.38
150	573.71	602.50	602.50
155	564.47	592.79	592.79
160	551.36	579.04	579.04
165	534.18	560.99	560.99
170	512.67	538.42	538.42
175	486.67	511.13	511.13

Azimuth	E _{theo}	E _{std}	E _{aug}
180	456.10	479.03	479.03
185	421.00	442.19	442.19
190	381.65	400.89	400.89
195	338.53	355.62	355.62
200	292.35	307.16	307.16
205	244.07	256.51	256.51
210	194.86	204.90	204.90
215	146.02	153.72	163.82
220	98.96	104.48	131.23
225	55.04	58.82	85.21
230	15.54	19.65	46.70
235	18.46	22.26	44.01
240	46.13	49.66	69.00
245	67.01	71.21	94.19
250	80.95	85.70	108.30
255	88.16	93.22	113.57
260	89.16	94.25	116.63
265	84.72	89.63	116.34
270	75.83	80.37	111.03
275	63.57	67.64	101.49
280	49.09	52.69	90.37
285	33.49	36.83	80.31
290	17.83	21.69	73.55
295	3.04	11.41	61.40
300	10.07	15.22	42.50
305	20.85	24.48	63.40
310	28.80	32.16	69.89
315	33.56	36.90	70.76
320	34.94	38.29	75.99
325	32.88	36.22	55.36
330	27.45	30.84	68.95
335	18.91	22.67	62.31
340	7.62	13.56	65.09
345	5.89	12.58	89.88
350	20.92	24.54	88.51
355	36.65	40.01	88.82

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