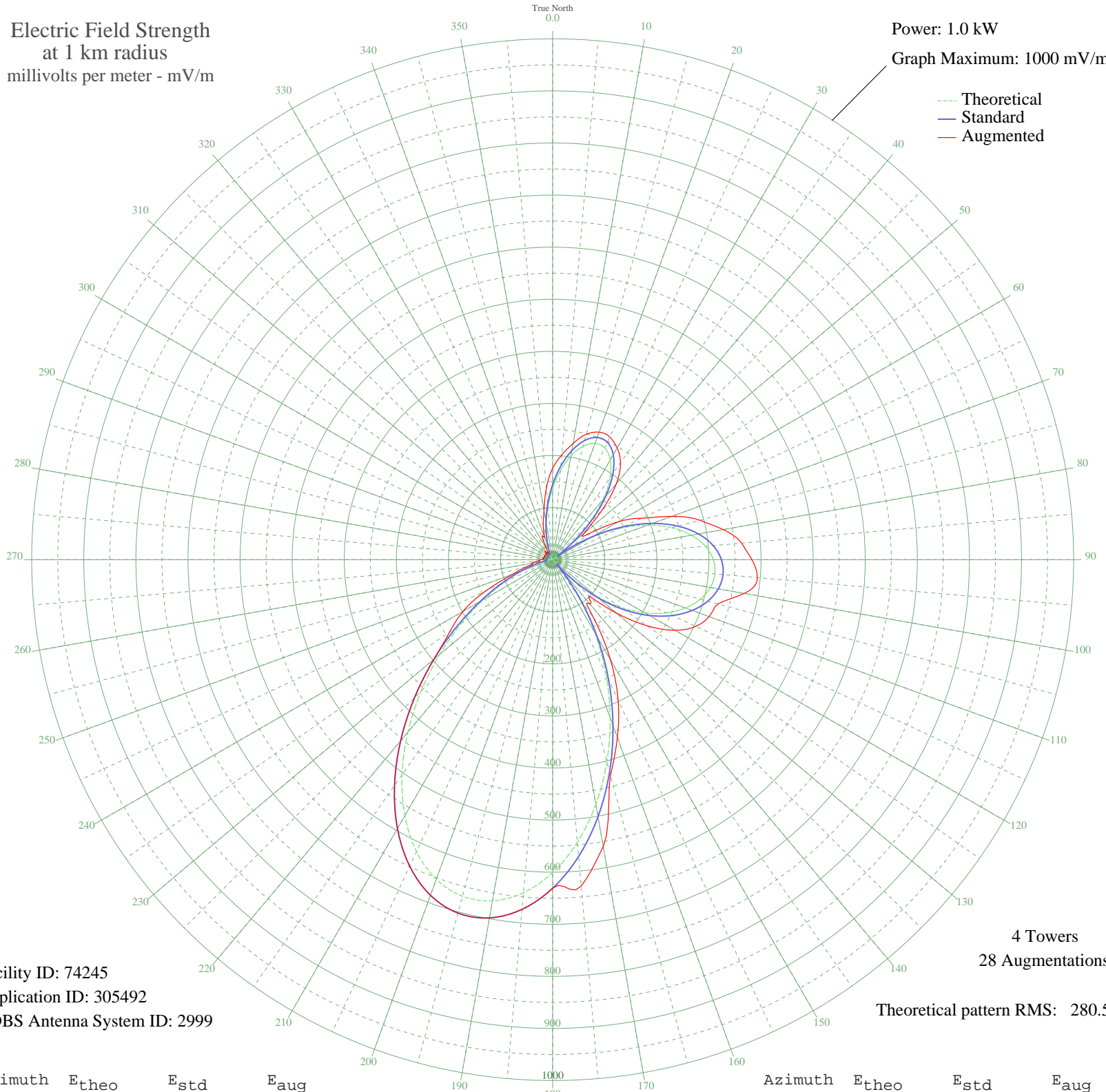


WXJC BIRMINGHAM, AL BL-- 850 kHz

Nighttime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m



Facility ID: 74245
Application ID: 305492
CDBS Antenna System ID: 2999

4 Towers
28 Augmentations

Theoretical pattern RMS: 280.51

Azimuth	E _{theo}	E _{std}	E _{aug}
0	137.12	144.36	175.39
5	171.69	180.58	202.18
10	202.28	212.65	226.62
15	225.28	236.77	249.12
20	237.49	249.59	260.56
25	236.58	248.63	259.81
30	221.37	232.68	247.63
35	192.03	201.91	227.07
40	150.04	157.89	190.00
45	97.96	103.39	133.05
50	39.11	42.39	77.89
55	22.85	26.19	91.15
60	84.31	89.14	145.43
65	142.05	149.53	188.17
70	193.49	203.43	242.85
75	236.71	248.77	292.30
80	270.55	284.27	332.54
85	294.44	309.34	364.16
90	308.33	323.91	382.35
95	312.47	328.26	394.34
100	307.33	322.87	373.33
105	293.45	308.30	328.72
110	271.32	285.08	319.40
115	241.39	253.68	303.12
120	203.98	214.44	271.13
125	159.35	167.64	221.25
130	107.69	113.56	158.99
135	49.22	52.74	99.13
140	15.70	19.54	110.61
145	86.50	91.43	139.11
150	162.24	170.68	222.28
155	241.49	253.79	297.28
160	322.25	338.52	363.19
165	401.88	422.11	428.76
170	477.23	501.20	559.12
175	544.73	572.06	629.01

Azimuth	E _{theo}	E _{std}	E _{aug}
180	600.70	630.83	630.83
185	641.74	673.91	673.91
190	665.06	698.40	698.40
195	668.95	702.48	702.48
200	653.02	685.75	685.75
205	618.34	649.34	649.34
210	567.40	595.86	595.86
215	503.88	529.18	529.18
220	432.21	453.95	453.95
225	357.12	375.13	375.13
230	283.13	297.48	297.60
235	214.14	225.10	240.75
240	153.13	161.13	198.83
245	102.00	107.61	141.09
250	61.58	65.51	81.15
255	31.74	34.94	51.03
260	11.58	16.07	40.50
265	0.34	10.51	24.47
270	5.79	12.13	23.74
275	6.61	12.59	17.58
280	4.62	11.57	19.31
285	1.43	10.61	16.99
290	1.64	10.64	15.01
295	3.65	11.18	17.00
300	4.06	11.33	17.66
305	2.78	10.90	16.67
310	0.18	10.50	15.05
315	2.92	10.94	18.71
320	5.35	11.91	19.08
325	5.64	12.06	14.40
330	2.25	10.76	21.40
335	6.24	12.38	48.19
340	20.91	24.34	45.31
345	42.19	45.53	70.33
350	69.70	73.93	95.75
355	102.10	107.72	138.04

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission