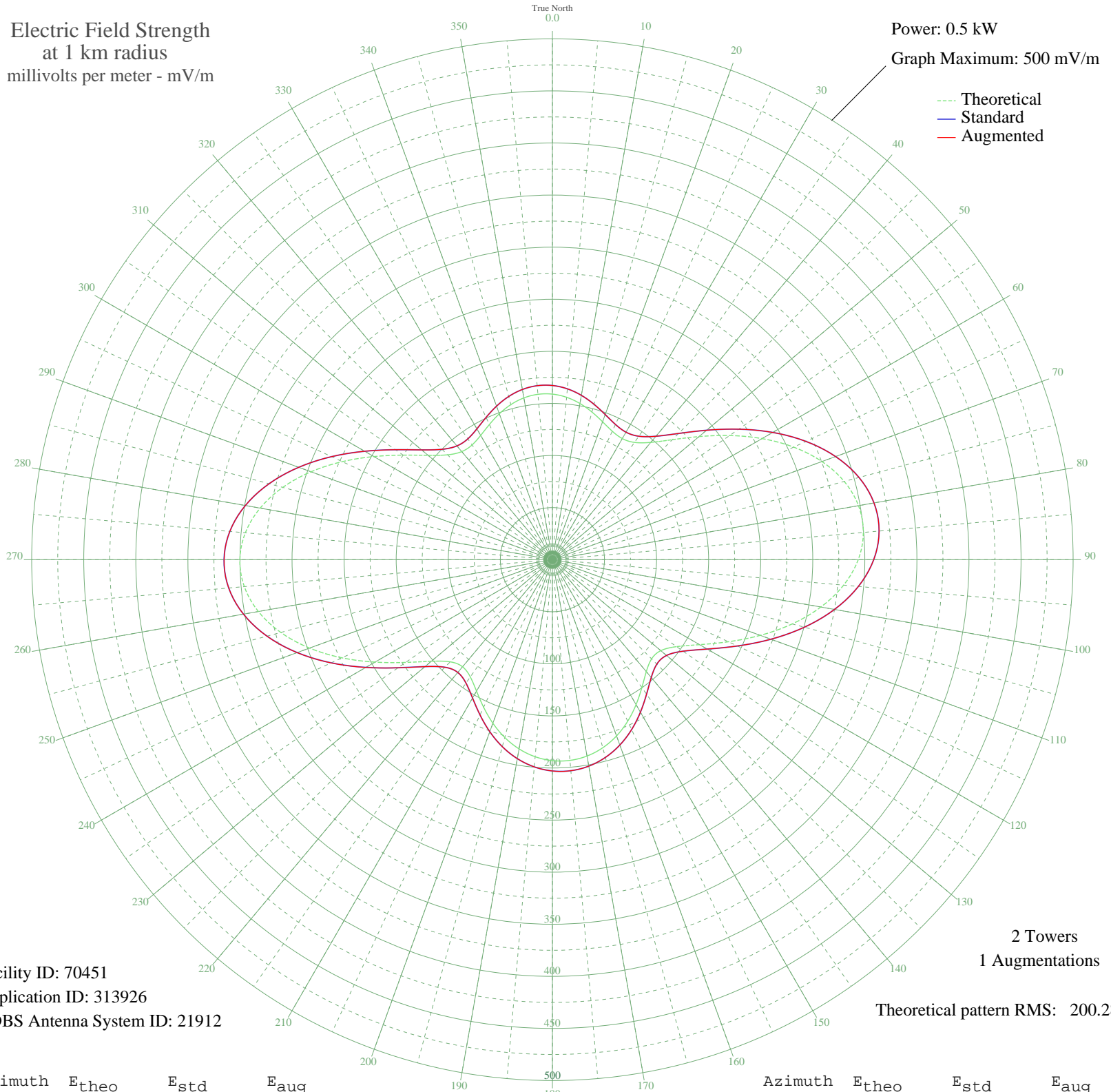


# WMCJ CULLMAN, AL BL-- 1460 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 70451  
Application ID: 313926  
CDBS Antenna System ID: 21912

2 Towers  
1 Augmentations  
Theoretical pattern RMS: 200.28

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	158.92	167.20	167.20
5	156.47	164.63	164.63
10	152.23	160.18	160.18
15	146.72	154.41	154.41
20	140.85	148.26	148.26
25	136.05	143.24	143.24
30	134.22	141.32	141.32
35	137.40	144.65	144.65
40	146.95	154.65	154.65
45	162.85	171.32	171.32
50	183.81	193.28	193.28
55	207.76	218.40	218.40
60	232.44	244.28	244.28
65	255.65	268.64	268.64
70	275.44	289.40	289.40
75	290.13	304.81	304.81
80	298.47	313.57	313.57
85	299.73	314.89	314.89
90	293.68	308.54	308.54
95	280.71	294.94	294.94
100	261.78	275.07	275.07
105	238.37	250.51	250.51
110	212.45	223.32	223.32
115	186.45	196.06	196.06
120	163.17	171.66	171.66
125	145.55	153.18	153.18
130	135.88	143.06	143.06
135	134.69	141.81	141.81
140	140.27	147.66	147.66
145	149.80	157.64	157.64
150	160.68	169.04	169.04
155	171.13	179.99	179.99
160	180.06	189.36	189.36
165	186.92	196.55	196.55
170	191.42	201.26	201.26
175	193.44	203.38	203.38

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	192.93	202.85	202.85
185	189.91	199.69	199.69
190	184.45	193.96	193.96
195	176.72	185.85	185.85
200	167.08	175.75	175.75
205	156.30	164.45	164.45
210	145.70	153.34	153.34
215	137.40	144.65	144.65
220	134.21	141.32	141.32
225	138.71	146.02	146.04
230	151.74	159.68	159.75
235	171.97	180.87	181.00
240	196.69	206.79	206.94
245	222.97	234.36	234.50
250	248.15	260.77	260.88
255	269.99	283.68	283.75
260	286.68	301.20	301.23
265	296.96	311.99	312.00
270	300.10	315.28	315.28
275	295.96	310.93	310.93
280	284.95	299.38	299.38
285	268.05	281.65	281.65
290	246.67	259.22	259.22
295	222.62	233.99	233.99
300	197.96	208.13	208.13
305	174.94	183.99	183.99
310	155.79	163.91	163.91
315	142.33	149.82	149.82
320	135.42	142.58	142.58
325	134.46	141.57	141.57
330	137.73	144.99	144.99
335	143.16	150.69	150.69
340	149.02	156.83	156.83
345	154.11	162.16	162.16
350	157.68	165.90	165.90
355	159.34	167.64	167.64

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.

17 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission