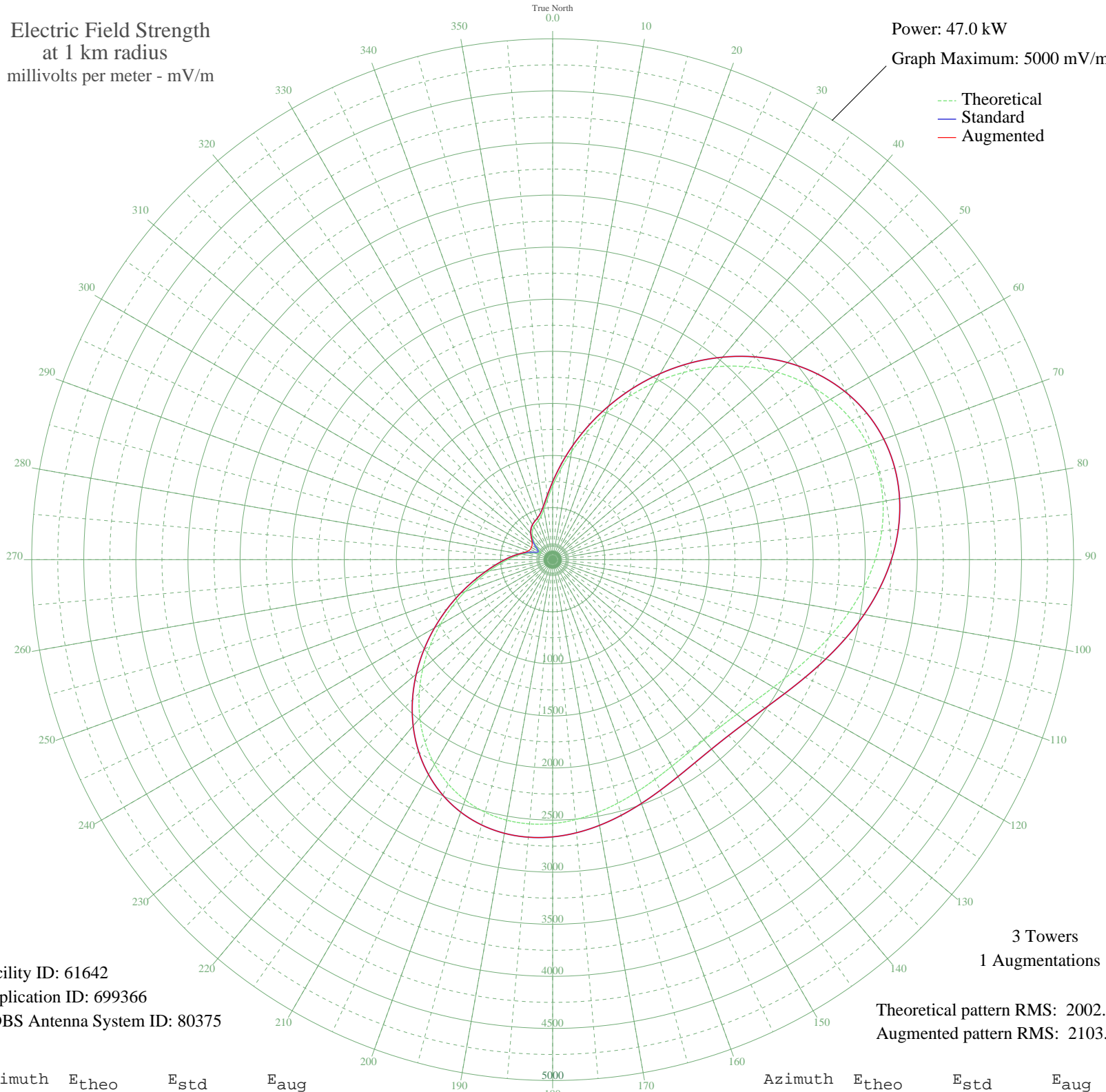


WNMA MIAMI SPRINGS, FL BL-20031028AEK 1210 kHz

Daytime

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

Power: 47.0 kW
Graph Maximum: 5000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 61642
Application ID: 699366
CDBS Antenna System ID: 80375

3 Towers
1 Augmentations

Theoretical pattern RMS: 2002.00
Augmented pattern RMS: 2103.70

Azimuth	E _{theo}	E _{std}	E _{aug}
0	708.19	747.07	747.07
5	868.99	915.28	915.28
10	1057.33	1112.53	1112.53
15	1267.13	1332.44	1332.44
20	1492.14	1568.40	1568.40
25	1725.99	1813.72	1813.72
30	1962.20	2061.57	2061.57
35	2194.24	2305.08	2305.08
40	2415.65	2537.46	2537.46
45	2620.24	2752.19	2752.19
50	2802.25	2943.25	2943.25
55	2956.69	3105.36	3105.36
60	3079.50	3234.28	3234.28
65	3167.84	3327.01	3327.01
70	3220.25	3382.03	3382.03
75	3236.83	3399.43	3399.43
80	3219.21	3380.93	3380.93
85	3170.57	3329.87	3329.87
90	3095.48	3251.05	3251.05
95	2999.65	3150.45	3150.45
100	2889.65	3034.99	3034.99
105	2772.53	2912.05	2912.05
110	2655.42	2789.12	2789.12
115	2545.13	2673.35	2673.35
120	2447.66	2571.06	2571.06
125	2367.89	2487.33	2487.33
130	2309.13	2425.65	2425.65
135	2272.93	2387.66	2387.66
140	2259.04	2373.09	2373.09
145	2265.57	2379.94	2379.94
150	2289.27	2404.81	2404.81
155	2325.96	2443.32	2443.32
160	2370.91	2490.49	2490.49
165	2419.12	2541.09	2541.09
170	2465.54	2589.82	2589.82
175	2505.26	2631.51	2631.51

Azimuth	E _{theo}	E _{std}	E _{aug}
180	2533.59	2661.25	2661.25
185	2546.21	2674.49	2674.49
190	2539.30	2667.24	2667.24
195	2509.75	2636.22	2636.22
200	2455.27	2579.04	2579.04
205	2374.64	2494.42	2494.42
210	2267.86	2382.34	2382.34
215	2136.23	2244.19	2244.19
220	1982.46	2082.83	2082.83
225	1810.64	1902.54	1902.54
230	1626.08	1708.90	1708.90
235	1435.09	1508.56	1508.56
240	1244.60	1308.82	1308.82
245	1061.73	1117.14	1117.14
250	893.12	940.54	940.54
255	744.18	784.70	784.70
260	618.13	653.01	653.01
265	515.07	545.59	545.59
270	431.66	458.93	458.93
275	361.99	386.85	386.85
280	299.78	322.90	323.19
285	241.00	263.09	274.79
290	186.34	208.48	247.23
295	144.61	168.04	236.36
300	134.22	158.25	235.37
305	161.87	184.58	241.49
310	209.19	231.14	257.51
315	259.21	281.53	286.66
320	303.39	326.59	326.59
325	338.01	362.14	362.14
330	362.72	387.60	387.60
335	380.78	406.25	406.25
340	399.77	425.89	425.89
345	431.45	458.70	458.70
350	488.72	518.18	518.18
355	580.35	613.60	613.60

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission