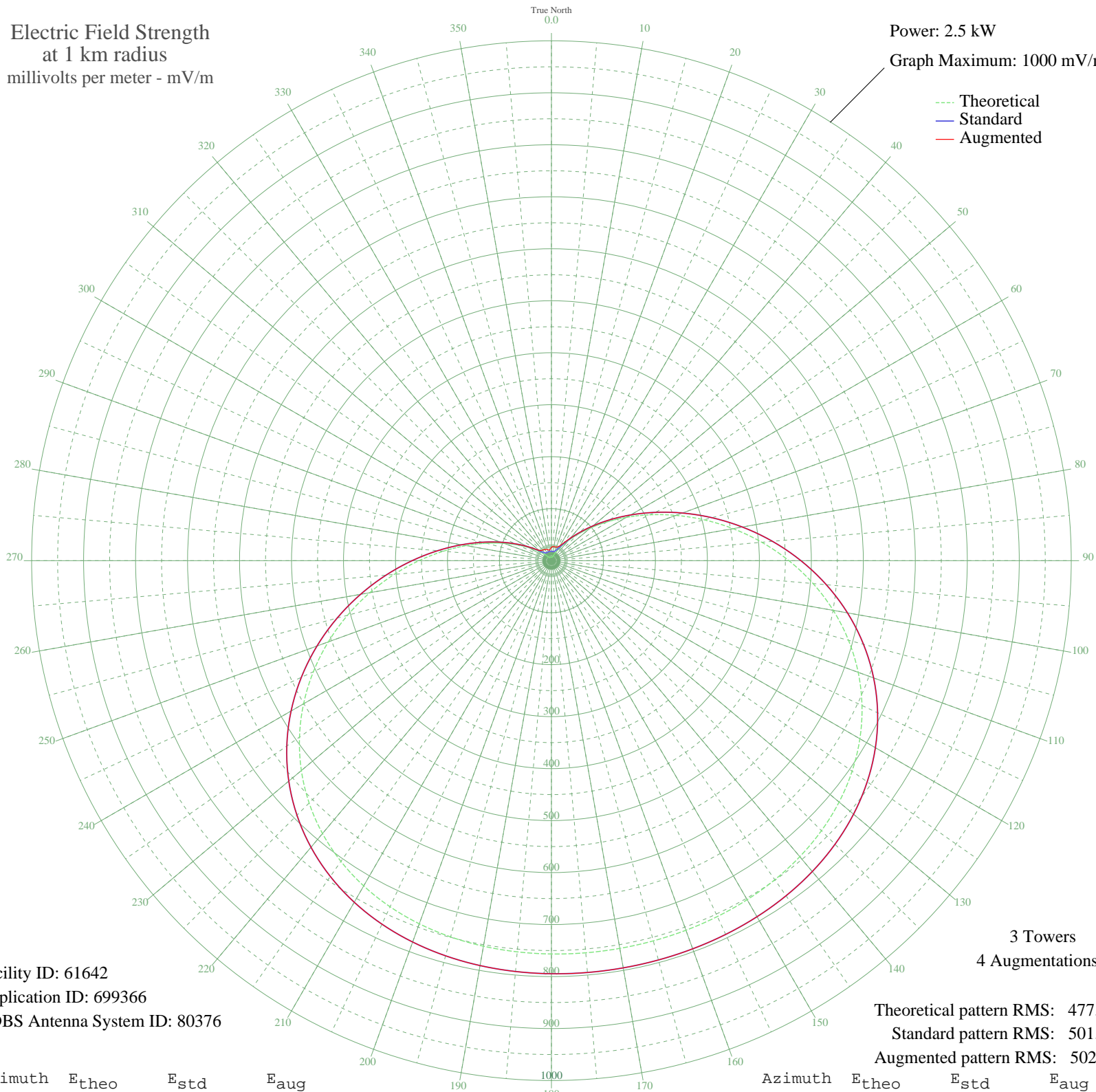


WNMA MIAMI SPRINGS, FL BL-20031028AEK 1210 kHz

Nighttime

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

Power: 2.5 kW  
Graph Maximum: 1000 mV/m



Facility ID: 61642  
Application ID: 699366  
CDBS Antenna System ID: 80376

3 Towers  
4 Augmentations

Theoretical pattern RMS: 477.70  
Standard pattern RMS: 501.80  
Augmented pattern RMS: 502.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	6.73	18.04	25.53
5	6.34	17.89	27.15
10	6.35	17.89	27.36
15	7.29	18.28	27.44
20	9.80	19.53	27.82
25	14.59	22.59	29.26
30	22.42	28.81	33.44
35	34.04	39.41	41.96
40	50.13	55.19	56.02
45	71.21	76.59	76.67
50	97.65	103.86	103.86
55	129.54	137.02	137.02
60	166.72	175.84	175.84
65	208.71	219.77	219.77
70	254.75	268.00	268.00
75	303.84	319.46	319.46
80	354.76	372.87	372.87
85	406.20	426.84	426.84
90	456.81	479.94	479.94
95	505.31	530.83	530.83
100	550.57	578.34	578.34
105	591.68	621.49	621.49
110	628.01	659.62	659.62
115	659.20	692.36	692.36
120	685.17	719.62	719.62
125	706.10	741.60	741.60
130	722.39	758.69	758.69
135	734.58	771.49	771.49
140	743.30	780.64	780.64
145	749.24	786.87	786.87
150	753.04	790.87	790.87
155	755.32	793.26	793.26
160	756.56	794.57	794.57
165	757.16	795.19	795.19
170	757.33	795.37	795.37
175	757.16	795.19	795.19

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	756.56	794.57	794.57
185	755.32	793.26	793.26
190	753.04	790.87	790.87
195	749.24	786.87	786.87
200	743.30	780.64	780.64
205	734.58	771.49	771.49
210	722.39	758.69	758.69
215	706.10	741.60	741.60
220	685.17	719.62	719.62
225	659.20	692.36	692.36
230	628.01	659.62	659.62
235	591.68	621.49	621.49
240	550.57	578.34	578.34
245	505.31	530.83	530.83
250	456.81	479.94	479.94
255	406.20	426.84	426.84
260	354.76	372.87	372.87
265	303.84	319.46	319.46
270	254.75	268.00	268.00
275	208.71	219.77	219.77
280	166.72	175.84	175.84
285	129.54	137.03	137.03
290	97.65	103.86	103.86
295	71.21	76.59	76.59
300	50.13	55.19	55.19
305	34.04	39.41	39.61
310	22.42	28.81	30.76
315	14.59	22.59	27.61
320	9.80	19.53	26.69
325	7.29	18.28	25.51
330	6.35	17.89	24.33
335	6.34	17.89	24.00
340	6.73	18.04	22.93
345	7.12	18.21	21.12
350	7.28	18.28	20.67
355	7.12	18.21	22.75

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