

# WNOG NAPLES, FL BL-20090508ACF 1270 kHz

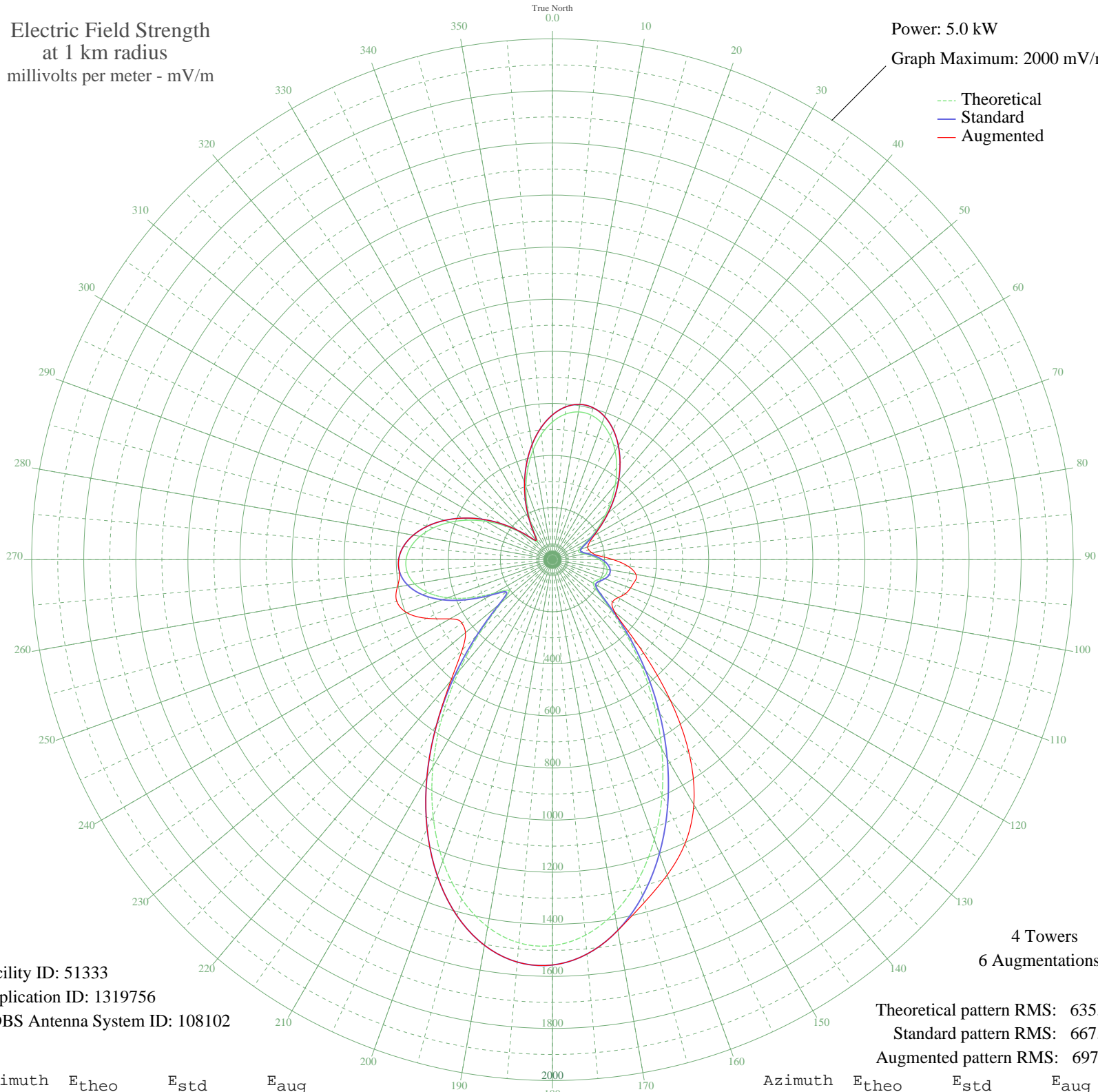
Daytime

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

Power: 5.0 kW

Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 51333  
Application ID: 1319756  
CDBS Antenna System ID: 108102

4 Towers  
6 Augmentations

Theoretical pattern RMS: 635.53  
Standard pattern RMS: 667.72  
Augmented pattern RMS: 697.42

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	528.94	555.88	555.88
5	560.58	589.07	589.07
10	576.10	605.36	605.36
15	574.65	603.83	603.83
20	556.86	585.17	585.17
25	524.75	551.49	551.49
30	481.39	506.01	506.01
35	430.40	452.53	452.53
40	375.40	394.87	394.87
45	319.52	336.32	336.32
50	265.17	279.41	279.41
55	214.10	226.03	226.69
60	168.14	178.11	184.71
65	130.57	139.09	157.21
70	107.99	115.79	144.50
75	107.66	115.45	144.23
80	126.65	135.04	153.64
85	153.97	163.36	176.84
90	180.82	191.30	233.73
95	201.75	213.13	291.82
100	213.27	225.16	325.54
105	213.45	225.35	326.46
110	202.80	214.23	318.95
115	186.79	197.53	309.28
120	180.98	191.47	291.46
125	209.66	221.39	282.00
130	283.69	298.80	311.43
135	394.31	414.69	469.28
140	529.92	556.91	704.11
145	681.12	715.56	918.84
150	839.44	881.73	1086.12
155	996.48	1046.56	1204.11
160	1143.73	1201.14	1288.40
165	1272.90	1336.76	1362.91
170	1376.39	1445.40	1445.61
175	1447.75	1520.31	1520.31

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1482.21	1556.49	1556.49
185	1477.04	1551.07	1551.07
190	1431.80	1503.57	1503.57
195	1348.32	1415.93	1415.93
200	1230.64	1292.38	1292.38
205	1084.72	1139.19	1139.19
210	918.06	964.25	964.25
215	739.44	776.77	776.90
220	558.96	587.38	607.08
225	389.62	409.77	490.21
230	254.62	268.38	436.12
235	204.18	215.67	424.92
240	257.18	271.06	454.88
245	345.51	363.55	532.84
250	428.18	450.20	595.49
255	493.08	518.26	619.05
260	536.92	564.26	604.85
265	559.56	588.00	589.28
270	562.23	590.81	590.81
275	546.97	574.80	574.80
280	516.23	542.55	542.55
285	472.73	496.92	496.92
290	419.30	440.89	440.89
295	358.85	377.52	377.52
300	294.31	309.91	309.91
305	228.72	241.30	241.30
310	165.83	175.70	175.70
315	112.97	120.92	120.92
320	89.71	97.08	97.08
325	114.85	122.86	122.86
330	167.99	177.95	177.95
335	230.96	243.65	243.65
340	297.43	313.19	313.19
345	363.95	382.87	382.87
350	427.17	449.14	449.14
355	483.40	508.11	508.11

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