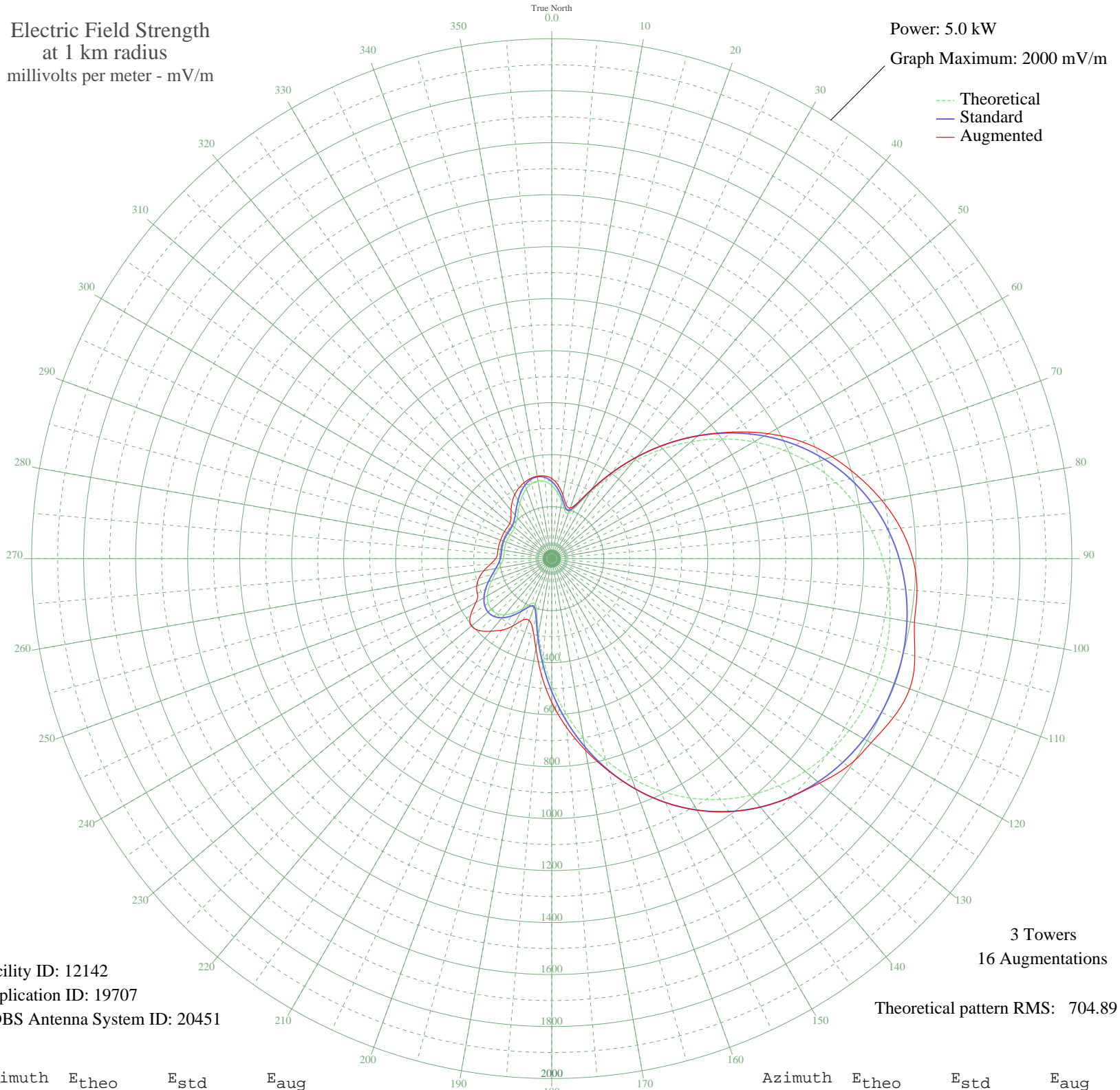


WCOA PENSACOLA, FL BL-19800417AA 1370 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 12142  
Application ID: 19707  
CDBS Antenna System ID: 20451

3 Towers  
16 Augmentations  
Theoretical pattern RMS: 704.89

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	281.71	296.85	308.29
5	254.92	268.83	283.58
10	221.70	234.13	248.03
15	192.26	203.42	214.83
20	186.17	197.08	207.31
25	220.77	233.15	237.78
30	291.37	306.96	307.31
35	383.46	403.41	403.41
40	486.42	511.36	511.36
45	593.50	623.67	623.67
50	700.00	735.42	735.42
55	802.45	842.95	848.88
60	898.28	943.53	961.51
65	985.65	1035.23	1063.10
70	1063.39	1116.85	1147.11
75	1130.93	1187.74	1220.64
80	1188.13	1247.79	1289.23
85	1235.22	1297.22	1346.78
90	1272.64	1336.51	1388.53
95	1300.96	1366.24	1409.82
100	1320.71	1386.97	1416.47
105	1332.36	1399.20	1445.52
110	1336.21	1403.25	1464.74
115	1332.36	1399.20	1448.57
120	1320.71	1386.97	1417.74
125	1300.96	1366.24	1390.94
130	1272.64	1336.51	1343.95
135	1235.22	1297.22	1297.22
140	1188.13	1247.79	1247.79
145	1130.93	1187.74	1187.74
150	1063.40	1116.85	1116.85
155	985.65	1035.23	1035.23
160	898.28	943.53	943.53
165	802.45	842.95	845.91
170	700.00	735.43	748.48
175	593.50	623.68	651.24

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.

24 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	486.42	511.36	552.26
185	383.46	403.41	450.02
190	291.37	306.96	350.51
195	220.77	233.15	281.26
200	186.17	197.08	253.30
205	192.26	203.42	260.34
210	221.70	234.13	298.63
215	254.92	268.83	336.22
220	281.71	296.85	364.35
225	298.16	314.07	391.78
230	303.51	319.67	403.12
235	298.67	314.61	381.31
240	285.60	300.93	336.44
245	266.90	281.36	315.96
250	245.52	259.01	306.97
255	224.55	237.10	289.84
260	206.72	218.49	264.69
265	193.95	205.19	235.79
270	186.79	197.72	215.94
275	184.29	195.12	209.22
280	184.56	195.40	209.28
285	185.65	196.53	209.28
290	186.17	197.08	209.21
295	185.65	196.53	209.28
300	184.56	195.40	209.28
305	184.29	195.12	209.07
310	186.79	197.72	210.81
315	193.95	205.19	221.75
320	206.72	218.49	243.29
325	224.55	237.10	265.46
330	245.52	259.01	284.62
335	266.90	281.36	299.61
340	285.60	300.93	310.82
345	298.67	314.61	318.78
350	303.51	319.67	321.87
355	298.16	314.07	319.33