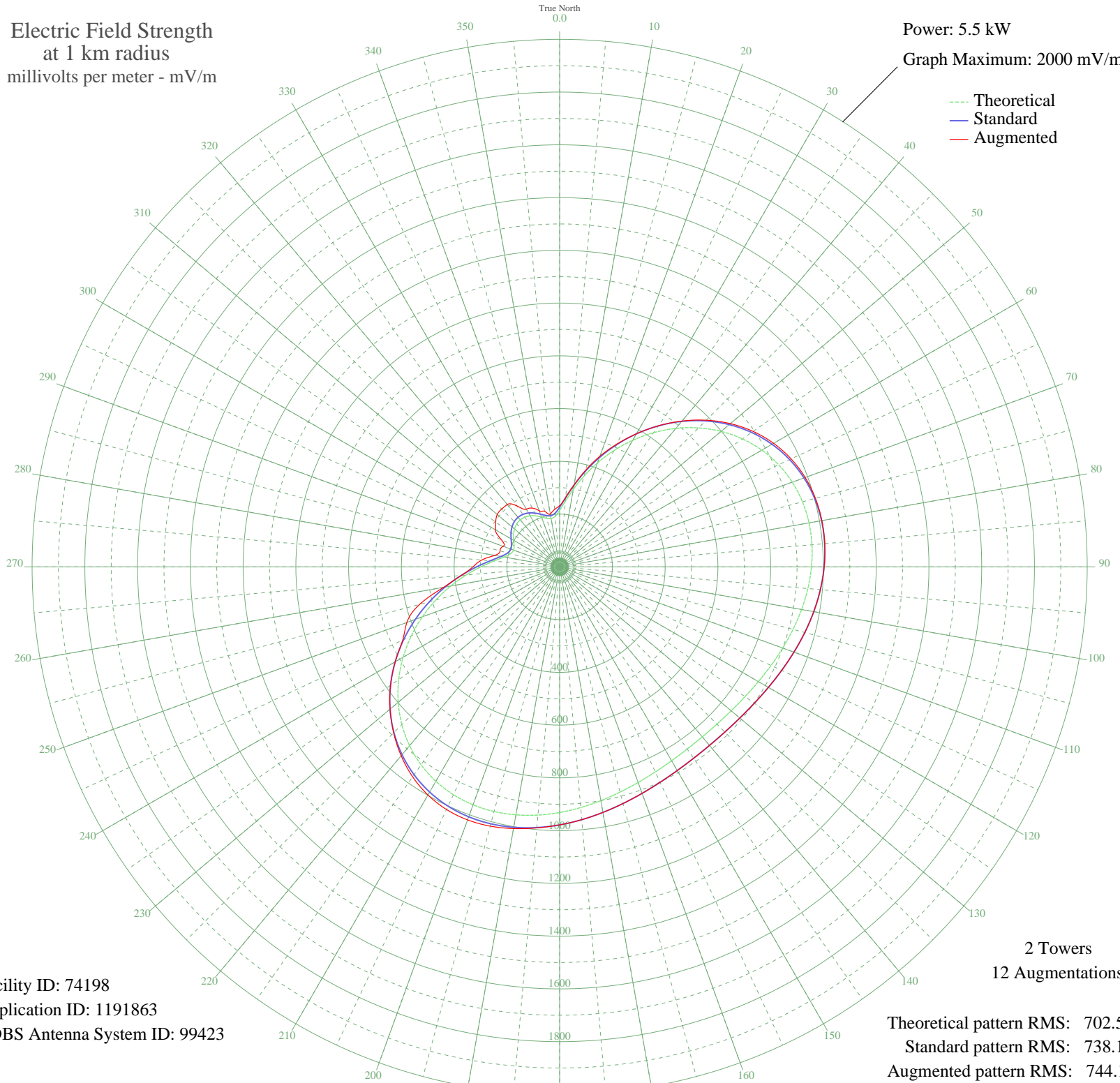


WDAE ST. PETERSBURG, FL BL-20070612ACM 620 kHz

Nighttime

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

Power: 5.5 kW
Graph Maximum: 2000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 74198
Application ID: 1191863
CDBS Antenna System ID: 99423

2 Towers
12 Augmentations

Theoretical pattern RMS: 702.50
Standard pattern RMS: 738.10
Augmented pattern RMS: 744.10

Azimuth	E _{theo}	E _{std}	E _{aug}
0	214.20	226.25	231.87
5	250.40	264.07	264.07
10	298.77	314.67	315.17
15	356.09	374.70	378.59
20	419.39	441.05	446.30
25	486.11	511.01	513.87
30	553.98	582.20	582.47
35	620.94	652.45	652.74
40	685.14	719.82	721.55
45	744.92	782.55	786.30
50	798.85	839.16	844.80
55	845.83	888.46	895.32
60	885.02	929.60	936.70
65	915.97	962.08	968.42
70	938.57	985.81	990.62
75	953.06	1001.02	1003.95
80	959.99	1008.29	1009.53
85	960.18	1008.49	1008.68
90	954.67	1002.71	1002.71
95	944.63	992.17	992.17
100	931.32	978.20	978.20
105	916.02	962.13	962.13
110	899.95	945.27	945.27
115	884.27	928.81	928.81
120	869.98	913.81	913.81
125	857.96	901.19	901.19
130	848.87	891.65	891.65
135	843.22	885.72	885.72
140	841.30	883.71	883.71
145	843.22	885.72	885.72
150	848.87	891.65	891.65
155	857.96	901.19	901.19
160	869.98	913.81	913.81
165	884.27	928.81	928.81
170	899.95	945.27	945.27
175	916.02	962.13	962.13

Azimuth	E _{theo}	E _{std}	E _{aug}
180	931.32	978.20	978.20
185	944.63	992.17	993.52
190	954.67	1002.71	1007.55
195	960.18	1008.49	1017.60
200	959.99	1008.29	1020.86
205	953.06	1001.02	1015.00
210	938.57	985.81	998.66
215	915.97	962.08	971.62
220	885.02	929.60	934.82
225	845.83	888.46	889.97
230	798.85	839.16	839.16
235	744.92	782.55	782.55
240	685.14	719.82	719.82
245	620.94	652.45	656.39
250	553.98	582.20	616.39
255	486.11	511.01	549.65
260	419.39	441.05	446.85
265	356.09	374.70	374.70
270	298.77	314.67	328.85
275	250.40	264.07	296.61
280	214.20	226.25	250.14
285	192.72	203.85	233.92
290	185.98	196.82	227.82
295	190.48	201.51	244.48
300	201.01	212.49	281.00
305	212.96	224.96	295.66
310	223.25	235.70	308.80
315	230.03	242.78	310.57
320	232.38	245.24	308.80
325	230.03	242.78	281.71
330	223.25	235.70	252.21
335	212.96	224.96	245.78
340	201.01	212.49	226.31
345	190.48	201.51	217.90
350	185.98	196.82	203.26
355	192.72	203.85	218.60

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission