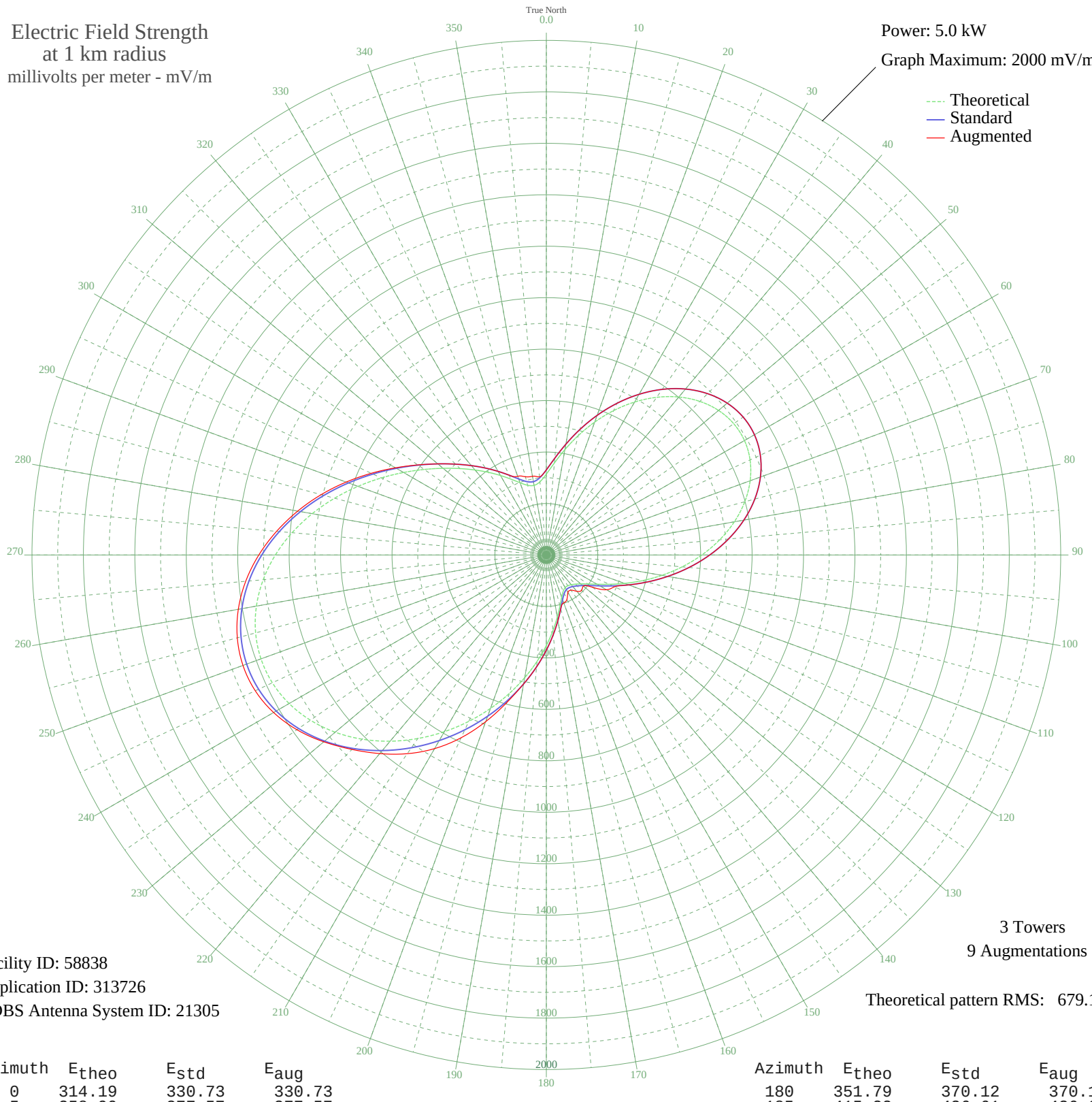
KSTN STOCKTON, CA BL-- 1420 kHz

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

3 Towers
9 Augmentations

Facility ID: 58838
Application ID: 313726
CDBS Antenna System ID: 21305

Theoretical pattern RMS: 679.14

Azimuth	E_{theo}	E_{std}	E_{aug}
0	314.19	330.73	330.73
5	358.90	377.57	377.57
10	415.73	437.15	437.15
15	480.54	505.11	505.11
20	549.49	577.44	577.44
25	619.14	650.52	650.52
30	686.29	720.99	720.99
35	747.97	785.72	785.72
40	801.42	841.82	841.82
45	844.15	886.67	886.67
50	874.06	918.06	918.06
55	889.54	934.31	934.31
60	889.63	934.41	934.41
65	874.07	918.07	918.07
70	843.36	885.84	885.84
75	798.78	839.05	839.05
80	742.34	779.81	779.81
85	676.64	710.86	710.86
90	604.76	635.43	635.43
95	530.07	557.07	557.07
100	456.04	479.41	479.41
105	386.03	406.01	406.01
110	323.10	340.07	340.07
115	269.72	284.18	292.50
120	227.39	239.91	270.37
125	196.19	207.34	218.60
130	174.64	184.87	187.98
135	160.24	169.88	193.98
140	150.83	160.11	184.35
145	145.77	154.85	166.72
150	146.38	155.48	167.69
155	155.22	164.67	189.62
160	174.53	184.75	197.81
165	204.88	216.40	216.40
170	245.43	258.77	258.77
175	294.83	310.46	310.46

Azimuth	E_{theo}	E_{std}	E_{aug}
180	351.79	370.12	370.12
185	415.22	436.61	436.61
190	484.17	508.92	508.92
195	557.68	586.03	593.64
200	634.62	666.77	689.37
205	713.64	749.69	783.81
210	793.05	833.03	869.05
215	870.87	914.71	942.88
220	944.86	992.38	1007.70
225	1012.60	1063.49	1068.90
230	1071.67	1125.50	1129.73
235	1119.76	1175.98	1184.07
240	1154.89	1212.86	1224.60
245	1175.52	1234.52	1248.86
250	1180.73	1239.99	1255.29
255	1170.30	1229.04	1244.01
260	1144.71	1202.18	1216.21
265	1105.20	1160.69	1173.42
270	1053.62	1106.55	1118.00
275	992.40	1042.28	1052.97
280	924.32	970.82	981.70
285	852.35	895.28	906.28
290	779.45	818.76	828.43
295	708.30	744.09	751.19
300	641.13	673.59	677.53
305	579.46	608.89	610.06
310	524.04	550.75	550.75
315	474.82	499.11	499.11
320	431.10	453.27	453.27
325	391.94	412.21	412.21
330	356.59	375.15	375.15
335	325.05	342.11	342.11
340	298.65	314.46	325.49
345	280.39	295.35	314.65
350	274.65	289.33	310.61
355	285.45	300.64	304.61

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.

31 Aug 2008

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Federal Communications Commission