

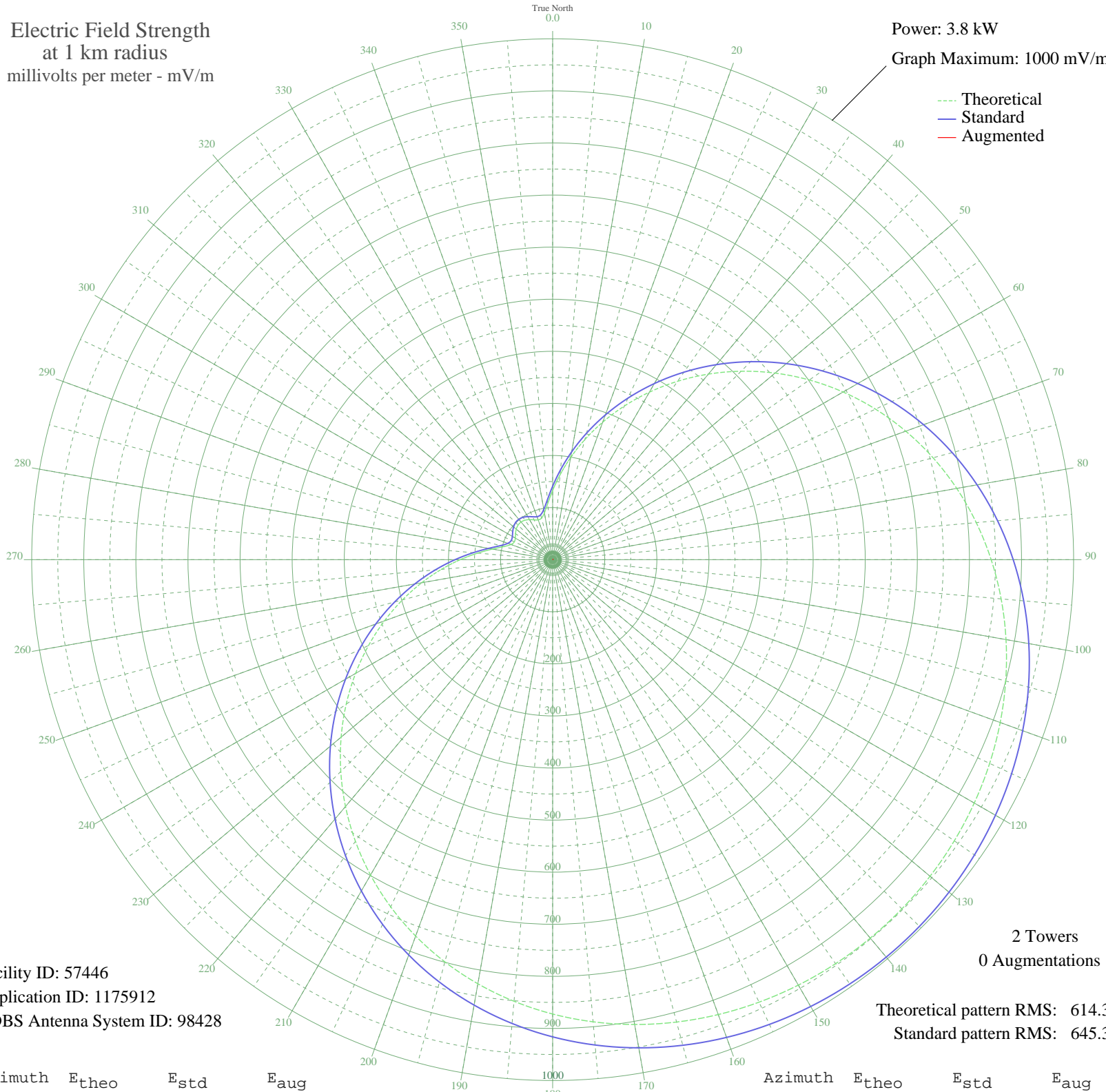
# KGEN SANGER, CA BMJP-20050909AFS 1370 kHz

Daytime

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

Power: 3.8 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 57446  
Application ID: 1175912  
CDBS Antenna System ID: 98428

2 Towers  
0 Augmentations

Theoretical pattern RMS: 614.30  
Standard pattern RMS: 645.30

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	132.81	140.95	
5	163.59	172.99	
10	199.21	210.17	
15	238.60	251.37	
20	280.91	295.67	
25	325.38	342.26	
30	371.32	390.42	
35	418.08	439.46	
40	465.04	488.72	
45	511.62	537.59	
50	557.26	585.48	
55	601.46	631.87	
60	643.78	676.28	
65	683.83	718.31	
70	721.30	757.64	
75	755.95	794.02	
80	787.63	827.26	
85	816.23	857.29	
90	841.75	884.07	
95	864.20	907.64	
100	883.68	928.09	
105	900.30	945.54	
110	914.21	960.14	
115	925.55	972.05	
120	934.49	981.43	
125	941.15	988.42	
130	945.65	993.15	
135	948.08	995.70	
140	948.49	996.12	
145	946.87	994.43	
150	943.21	990.58	
155	937.42	984.50	
160	929.41	976.09	
165	919.05	965.21	
170	906.18	951.71	
175	890.66	935.42	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	872.34	916.19	
185	851.09	893.88	
190	826.81	868.39	
195	799.44	839.66	
200	768.99	807.70	
205	735.51	772.56	
210	699.14	734.39	
215	660.09	693.40	
220	618.64	649.89	
225	575.14	604.25	
230	530.02	556.90	
235	483.75	508.35	
240	436.87	459.18	
245	389.96	409.97	
250	343.62	361.38	
255	298.48	314.07	
260	255.22	268.76	
265	214.57	226.22	
270	177.32	187.31	
275	144.46	153.06	
280	117.21	124.76	
285	97.00	103.89	
290	85.04	91.61	
295	81.07	87.55	
300	82.76	89.28	
305	86.96	93.58	
310	91.16	97.88	
315	93.85	100.64	
320	94.32	101.13	
325	92.47	99.23	
330	88.75	95.41	
335	84.31	90.86	
340	81.25	87.73	
345	82.59	89.10	
350	91.20	97.92	
355	108.20	115.44	

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission