

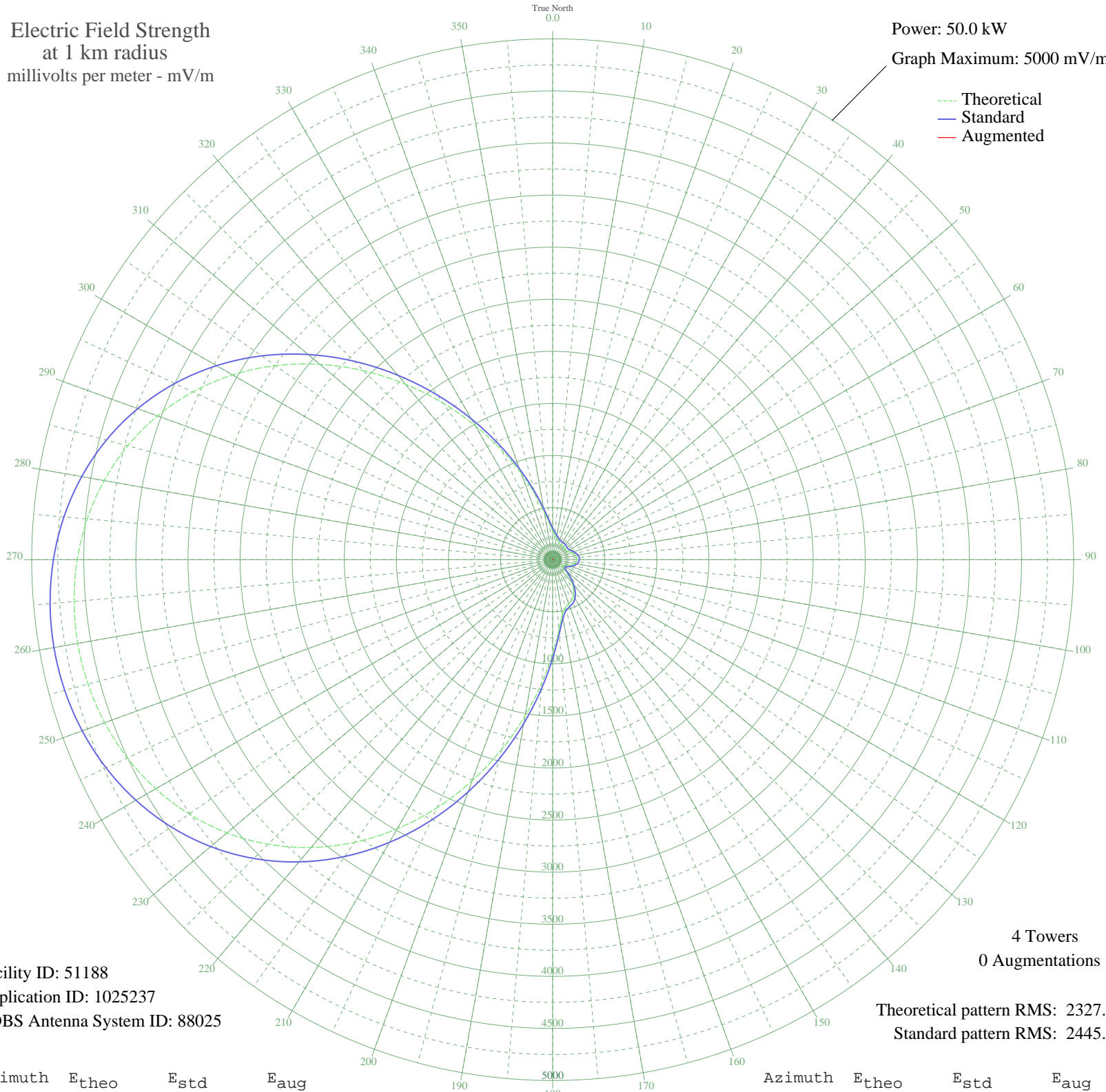
KTCT SAN MATEO, CA BP-19991223AAZ 1050 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 51188  
Application ID: 1025237  
CDBS Antenna System ID: 88025

4 Towers  
0 Augmentations

Theoretical pattern RMS: 2327.60  
Standard pattern RMS: 2445.30

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	279.30	303.68	
5	238.54	262.58	
10	211.39	235.55	
15	190.47	214.97	
20	175.62	200.54	
25	167.93	193.15	
30	165.71	191.02	
35	165.05	190.39	
40	162.83	188.27	
45	158.62	184.26	
50	154.78	180.62	
55	155.10	180.93	
60	162.33	187.79	
65	176.06	200.97	
70	193.23	217.67	
75	210.06	234.23	
80	223.41	247.47	
85	231.21	255.25	
90	232.28	256.31	
95	226.07	250.12	
100	212.38	236.53	
105	191.28	215.76	
110	163.51	188.91	
115	132.23	159.66	
120	108.15	138.23	
125	113.76	143.12	
130	157.13	182.85	
135	220.89	244.96	
140	289.45	313.98	
145	352.12	378.04	
150	400.94	428.30	
155	432.02	460.42	
160	449.86	478.88	
165	473.88	503.78	
170	539.62	572.05	
175	679.33	717.64	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	899.25	947.50	
185	1185.71	1247.49	
190	1519.79	1597.73	
195	1882.87	1978.58	
200	2257.70	2371.89	
205	2628.93	2761.50	
210	2983.65	3133.83	
215	3311.77	3478.26	
220	3606.23	3787.36	
225	3862.84	4056.75	
230	4079.94	4284.66	
235	4257.84	4471.42	
240	4398.15	4618.73	
245	4503.18	4729.00	
250	4575.31	4804.72	
255	4616.54	4848.01	
260	4628.13	4860.18	
265	4610.42	4841.58	
270	4562.75	4791.53	
275	4483.61	4708.45	
280	4370.90	4590.12	
285	4222.29	4434.11	
290	4035.81	4238.33	
295	3810.40	4001.70	
300	3546.59	3724.75	
305	3247.03	3410.29	
310	2916.92	3063.78	
315	2564.18	2693.54	
320	2199.27	2310.57	
325	1834.65	1928.00	
330	1483.96	1560.15	
335	1160.83	1221.42	
340	877.78	925.03	
345	645.00	681.82	
350	468.99	498.71	
355	350.17	376.03	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission