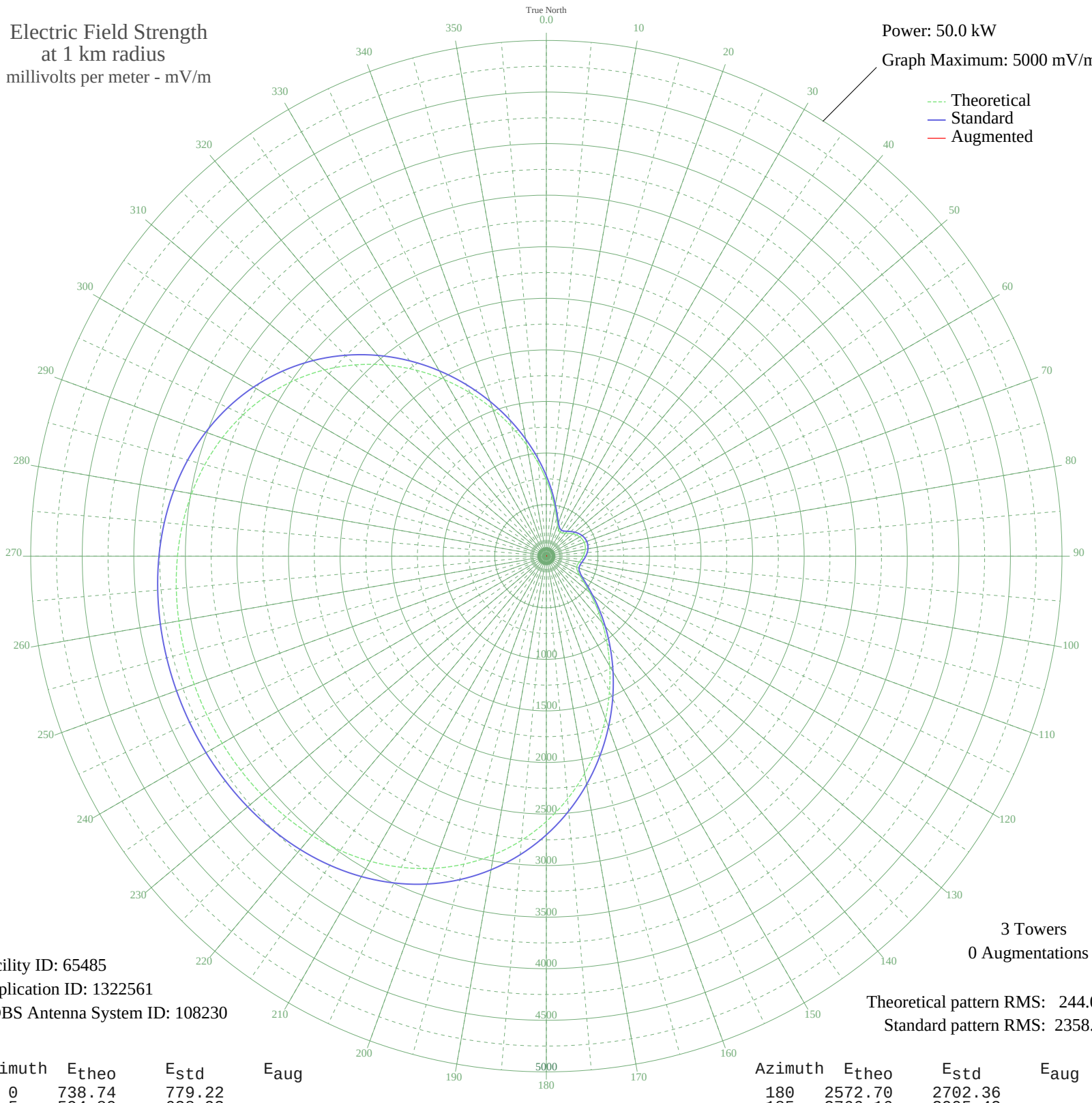
KDOW PALO ALTO, CA BP-20081113AEA 1220 kHz

Daytime

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



Power: 50.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 65485
Application ID: 1322561
CDBS Antenna System ID: 108230

Theoretical pattern RMS: 244.00
Standard pattern RMS: 2358.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	738.74	779.22	
5	594.80	628.93	
10	475.93	505.21	
15	383.42	409.38	
20	318.31	342.38	
25	280.71	303.95	
30	267.96	290.99	
35	273.96	297.09	
40	291.30	314.75	
45	313.72	337.67	
50	336.83	361.38	
55	357.69	382.85	
60	374.38	400.05	
65	385.68	411.72	
70	390.99	417.19	
75	390.19	416.38	
80	383.70	409.66	
85	372.34	397.94	
90	357.40	382.55	
95	340.72	365.38	
100	324.89	349.12	
105	313.85	337.81	
110	313.42	337.36	
115	331.11	355.51	
120	374.17	399.83	
125	446.93	475.12	
130	550.31	582.58	
135	683.00	720.99	
140	842.66	887.90	
145	1026.15	1080.01	
150	1229.56	1293.18	
155	1448.19	1522.41	
160	1676.63	1762.02	
165	1909.05	2005.88	
170	2139.55	2247.75	
175	2362.45	2481.68	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	2572.70	2702.36	
185	2766.16	2905.42	
190	2939.78	3087.66	
195	3091.68	3247.11	
200	3221.19	3383.07	
205	3328.72	3495.94	
210	3415.54	3587.09	
215	3483.64	3658.58	
220	3535.41	3712.92	
225	3573.42	3752.83	
230	3600.20	3780.94	
235	3618.03	3799.66	
240	3628.78	3810.94	
245	3633.81	3816.22	
250	3633.85	3816.27	
255	3629.01	3811.19	
260	3618.74	3800.40	
265	3601.87	3782.69	
270	3576.67	3756.24	
275	3541.00	3718.79	
280	3492.41	3667.78	
285	3428.36	3600.55	
290	3346.44	3514.55	
295	3244.59	3407.63	
300	3121.35	3278.26	
305	2976.14	3125.82	
310	2809.36	2950.76	
315	2622.59	2754.72	
320	2418.57	2540.58	
325	2201.15	2312.40	
330	1975.09	2075.17	
335	1745.77	1834.57	
340	1518.89	1596.56	
345	1300.02	1367.04	
350	1094.29	1151.40	
355	906.06	954.25	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission