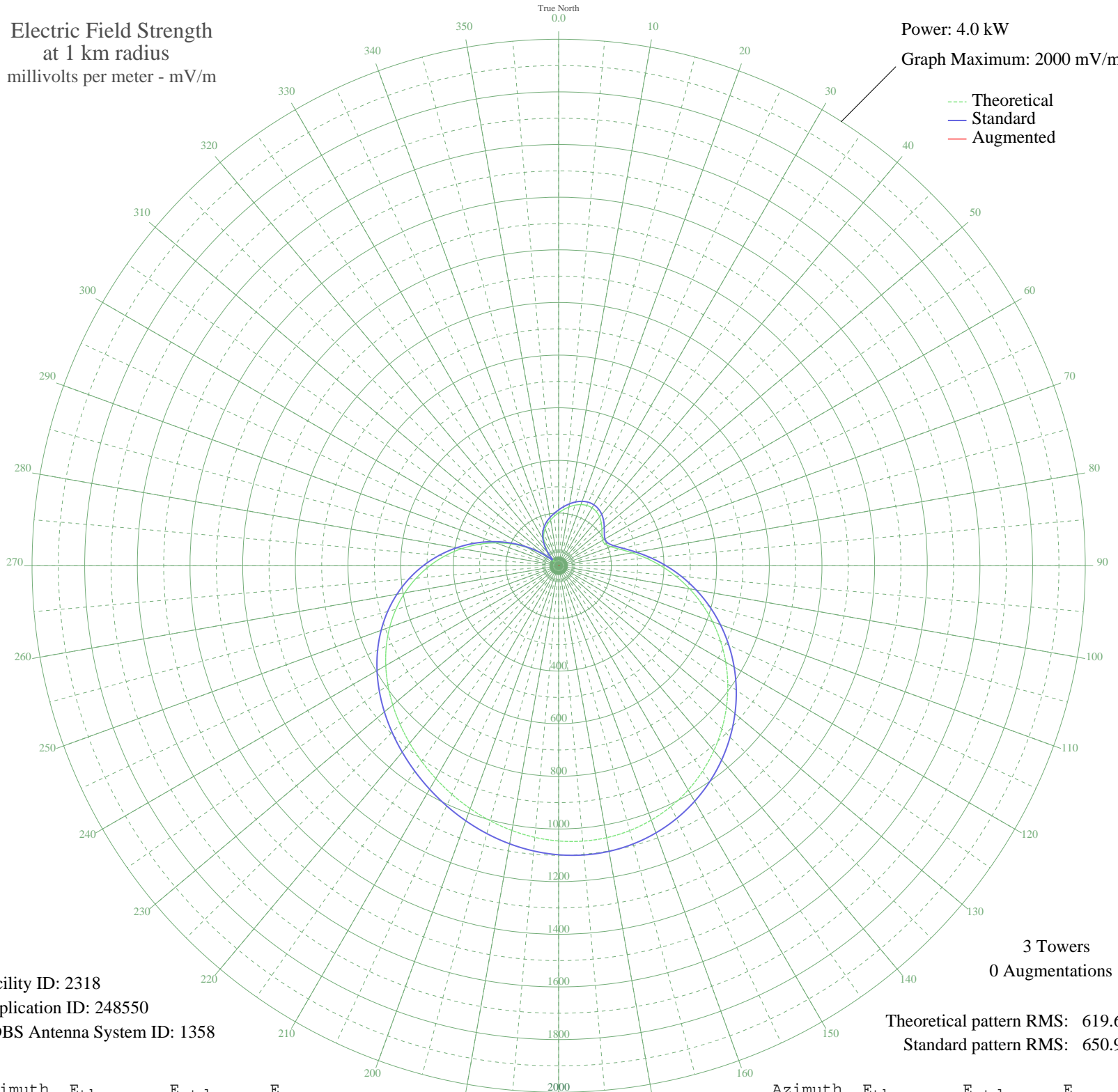


KAVL LANCASTER, CA BL-19970612AA 610 kHz

Nighttime

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

Power: 4.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 2318
Application ID: 248550
CDBS Antenna System ID: 1358

3 Towers
0 Augmentations

Theoretical pattern RMS: 619.62
Standard pattern RMS: 650.94

Azimuth	E _{theo}	E _{std}	E _{aug}
0	201.08	212.18	
5	213.91	225.58	
10	226.57	238.82	
15	238.04	250.82	
20	247.12	260.32	
25	252.67	266.14	
30	253.83	267.34	
35	250.11	263.46	
40	241.62	254.57	
45	229.17	241.54	
50	214.54	226.24	
55	200.80	211.88	
60	192.48	203.19	
65	194.73	205.55	
70	211.08	222.63	
75	241.50	254.45	
80	283.29	298.19	
85	333.07	350.36	
90	387.97	407.91	
95	445.79	468.55	
100	504.86	530.52	
105	563.95	592.52	
110	622.08	653.52	
115	678.53	712.77	
120	732.69	769.62	
125	784.08	823.55	
130	832.23	874.09	
135	876.72	920.79	
140	917.09	963.18	
145	952.89	1000.76	
150	983.66	1033.06	
155	1008.95	1059.61	
160	1028.42	1080.04	
165	1041.80	1094.09	
170	1049.02	1101.67	
175	1050.18	1102.89	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	1045.58	1098.06	
185	1035.74	1087.73	
190	1021.31	1072.58	
195	1003.07	1053.44	
200	981.84	1031.14	
205	958.37	1006.51	
210	933.31	980.20	
215	907.10	952.69	
220	879.96	924.19	
225	851.84	894.67	
230	822.48	863.86	
235	791.44	831.28	
240	758.19	796.38	
245	722.18	758.58	
250	682.92	717.38	
255	640.07	672.40	
260	593.46	623.49	
265	543.15	570.69	
270	489.41	514.31	
275	432.78	454.90	
280	373.98	393.24	
285	313.94	330.31	
290	253.75	267.27	
295	194.61	205.42	
300	137.83	146.23	
305	84.95	91.63	
310	39.17	46.18	
315	25.21	33.79	
320	55.39	61.84	
325	86.28	93.00	
330	112.30	119.78	
335	133.35	141.58	
340	150.22	159.13	
345	164.18	173.67	
350	176.60	186.61	
355	188.66	199.20	

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