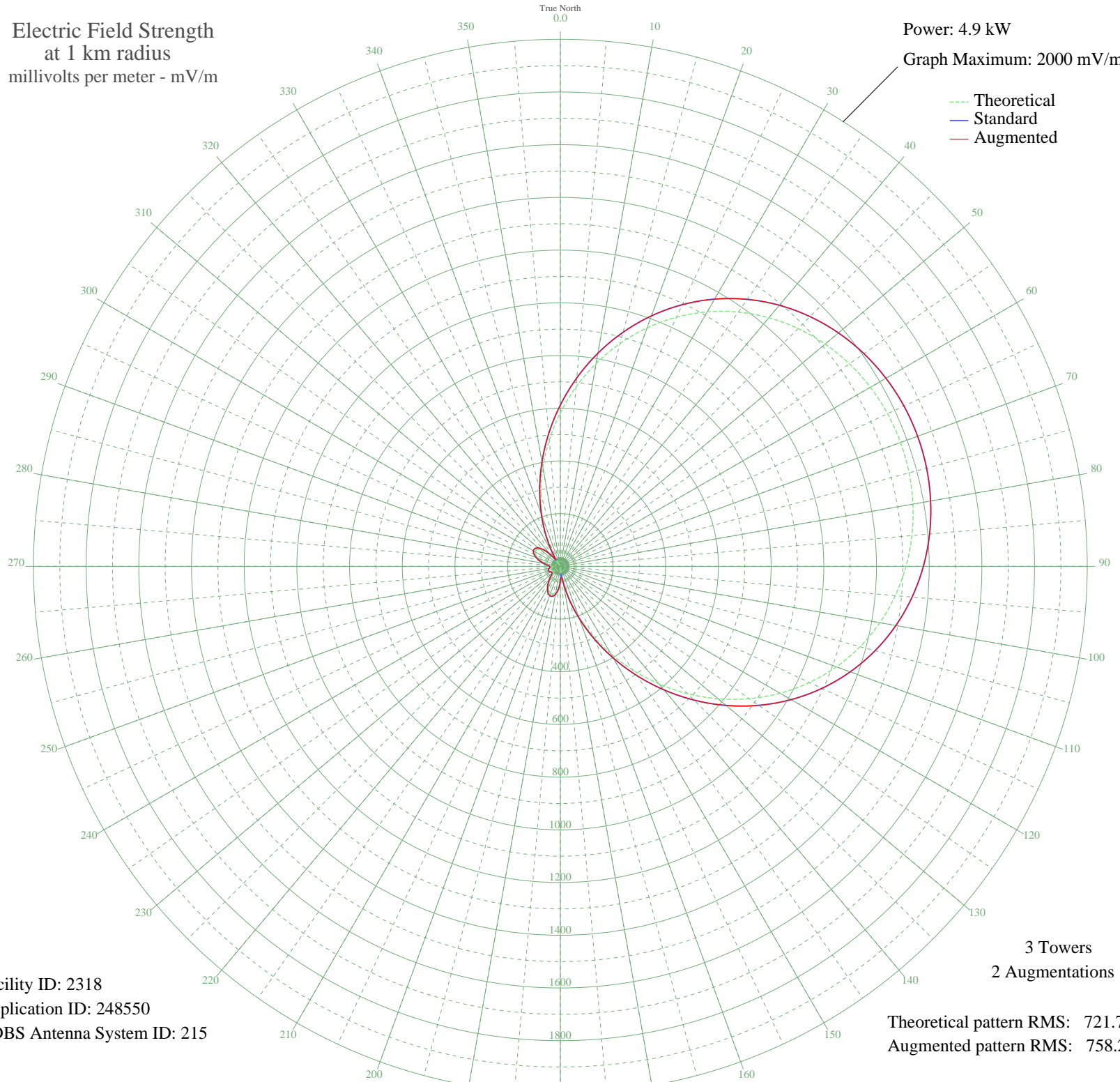


# KAVL LANCASTER, CA BL-19970612AA 610 kHz

Daytime

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

Power: 4.9 kW  
Graph Maximum: 2000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 2318  
Application ID: 248550  
CDBS Antenna System ID: 215

3 Towers  
2 Augmentations

Theoretical pattern RMS: 721.70  
Augmented pattern RMS: 758.29

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	582.23	611.95	611.95
5	683.19	717.86	717.86
10	781.58	821.11	821.11
15	875.40	919.57	919.57
20	962.98	1011.50	1011.50
25	1043.07	1095.56	1095.56
30	1114.79	1170.84	1170.84
35	1177.63	1236.80	1236.80
40	1231.39	1293.25	1293.25
45	1276.15	1340.23	1340.23
50	1312.12	1378.00	1378.00
55	1339.62	1406.86	1406.86
60	1358.97	1427.17	1427.17
65	1370.45	1439.23	1439.23
70	1374.25	1443.22	1443.22
75	1370.45	1439.23	1439.23
80	1358.97	1427.17	1427.17
85	1339.62	1406.86	1406.86
90	1312.12	1378.00	1378.00
95	1276.15	1340.23	1340.23
100	1231.40	1293.25	1293.25
105	1177.63	1236.80	1236.80
110	1114.79	1170.84	1170.84
115	1043.07	1095.56	1095.56
120	962.98	1011.50	1011.50
125	875.40	919.57	919.57
130	781.58	821.11	821.11
135	683.19	717.86	717.86
140	582.23	611.95	611.95
145	480.98	505.75	505.75
150	381.85	401.86	401.86
155	287.29	302.87	302.87
160	199.63	211.35	211.35
165	120.90	129.80	129.80
170	52.75	61.66	61.66
175	3.71	27.38	45.98

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	47.84	57.07	57.07
185	79.68	87.95	87.95
190	99.80	108.23	108.23
195	109.22	117.84	117.84
200	109.40	118.02	118.02
205	102.10	110.58	110.58
210	89.27	97.57	97.57
215	73.02	81.32	81.32
220	55.61	64.37	64.37
225	39.74	49.76	49.76
230	29.19	40.91	40.91
235	27.42	39.54	39.54
240	31.61	42.85	42.85
245	36.00	46.51	46.51
250	37.71	47.98	47.98
255	36.00	46.51	46.51
260	31.61	42.85	42.85
265	27.42	39.54	39.54
270	29.19	40.91	40.91
275	39.74	49.76	49.76
280	55.61	64.37	64.37
285	73.02	81.32	81.32
290	89.27	97.57	97.57
295	102.10	110.58	110.58
300	109.40	118.02	118.02
305	109.22	117.84	117.84
310	99.80	108.23	108.23
315	79.68	87.95	87.95
320	47.84	57.07	57.07
325	3.71	27.38	33.03
330	52.75	61.66	61.66
335	120.90	129.80	129.80
340	199.63	211.35	211.35
345	287.29	302.87	302.87
350	381.85	401.86	401.86
355	480.98	505.75	505.75

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