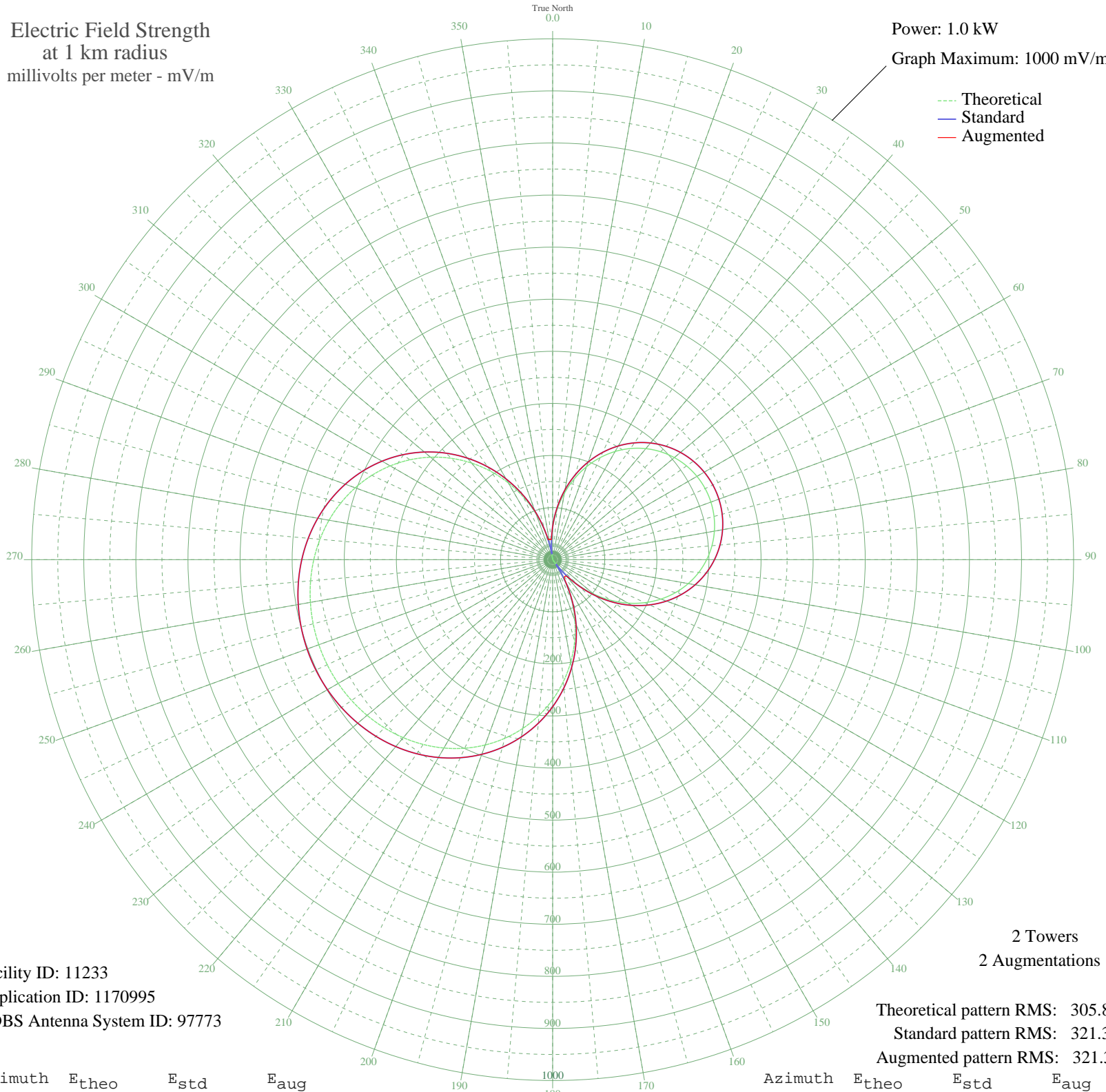


# KESP MODESTO, CA BL-20070118AFF 970 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 11233  
Application ID: 1170995  
CDBS Antenna System ID: 97773

Theoretical pattern RMS: 305.80  
Standard pattern RMS: 321.30  
Augmented pattern RMS: 321.30

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	59.89	63.79	63.79
5	95.53	100.87	100.87
10	129.27	136.16	136.16
15	160.80	169.18	169.18
20	189.86	199.64	199.64
25	216.25	227.32	227.32
30	239.83	252.05	252.05
35	260.52	273.76	273.76
40	278.26	292.37	292.37
45	293.05	307.89	307.89
50	304.89	320.31	320.31
55	313.81	329.67	329.67
60	319.83	335.99	335.99
65	322.98	339.30	339.30
70	323.26	339.60	339.60
75	320.69	336.89	336.89
80	315.24	331.18	331.18
85	306.91	322.43	322.43
90	295.65	310.62	310.62
95	281.46	295.72	295.72
100	264.30	277.73	277.73
105	244.21	256.64	256.64
110	221.20	232.50	232.50
115	195.36	205.41	205.41
120	166.82	175.49	175.49
125	135.76	142.95	142.95
130	102.44	108.09	108.09
135	67.15	71.31	71.31
140	30.26	33.53	41.33
145	7.83	13.50	40.12
150	46.65	50.14	50.87
155	85.73	90.66	90.66
160	124.60	131.26	131.26
165	162.76	171.23	171.23
170	199.77	210.03	210.03
175	235.21	247.20	247.20

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	268.73	282.37	282.37
185	300.02	315.20	315.20
190	328.86	345.47	345.47
195	355.09	373.00	373.00
200	378.63	397.71	397.71
205	399.45	419.56	419.56
210	417.58	438.59	438.59
215	433.09	454.87	454.87
220	446.08	468.51	468.51
225	456.68	479.63	479.63
230	465.01	488.38	488.38
235	471.19	494.86	494.86
240	475.31	499.19	499.19
245	477.45	501.43	501.43
250	477.64	501.64	501.64
255	475.89	499.80	499.80
260	472.17	495.90	495.90
265	466.41	489.85	489.85
270	458.52	481.57	481.57
275	448.39	470.93	470.93
280	435.88	457.80	457.80
285	420.88	442.06	442.06
290	403.29	423.59	423.59
295	383.01	402.31	402.31
300	360.02	378.17	378.17
305	334.32	351.20	351.20
310	305.99	321.47	321.47
315	275.17	289.13	289.13
320	242.08	254.41	254.41
325	206.99	217.61	217.61
330	170.27	179.10	179.10
335	132.30	139.33	139.33
340	93.54	98.80	98.80
345	54.46	58.18	58.18
350	15.55	19.52	38.83
355	22.72	26.15	37.88

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission