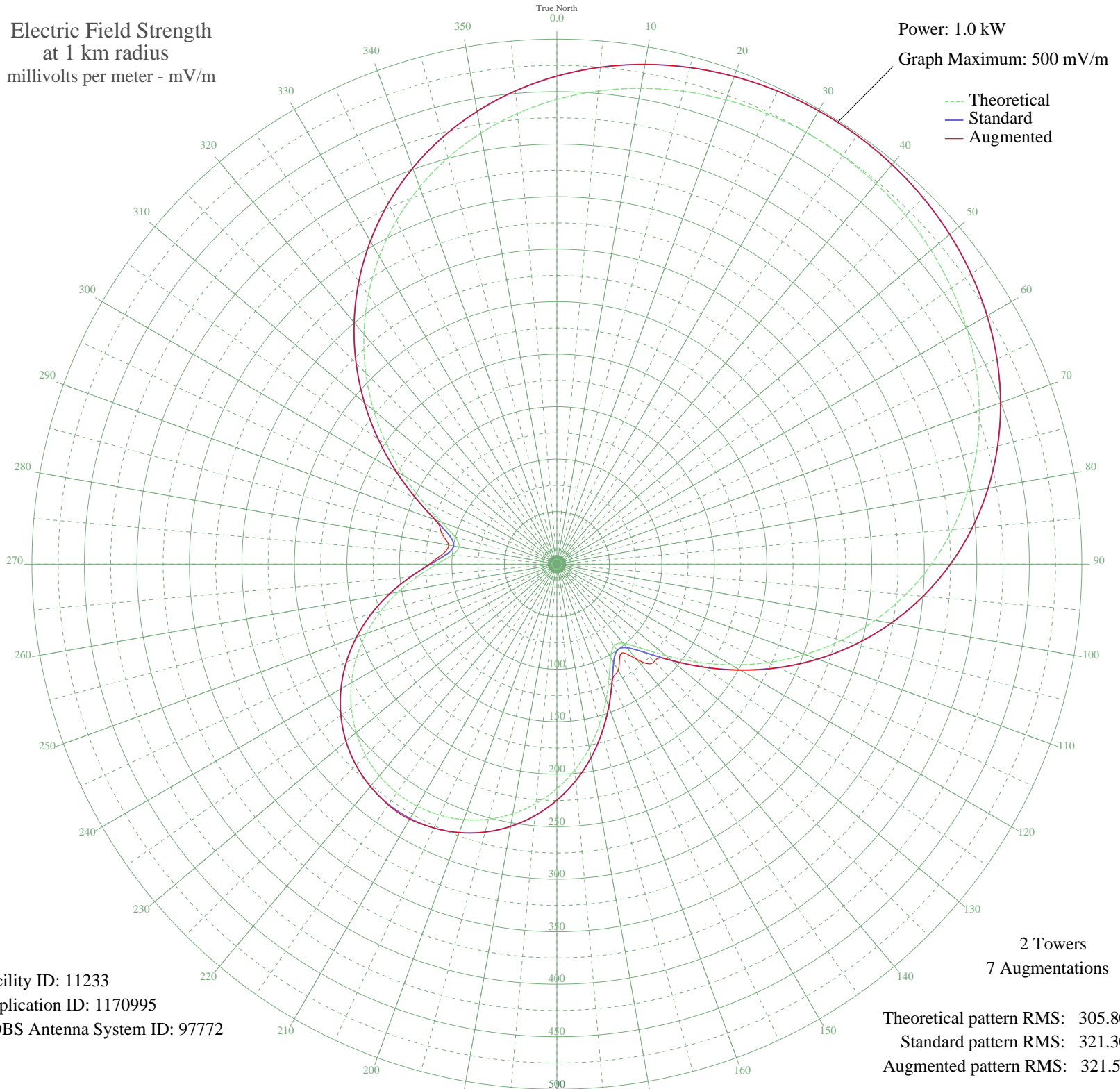


# KESP MODESTO, CA BL-20070118AFF 970 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 11233  
Application ID: 1170995  
CDBS Antenna System ID: 97772

Theoretical pattern RMS: 305.80  
Standard pattern RMS: 321.30  
Augmented pattern RMS: 321.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	442.57	464.82	464.82
5	452.31	475.04	475.04
10	460.13	483.25	483.25
15	466.18	489.60	489.60
20	470.56	494.20	494.20
25	473.38	497.16	497.16
30	474.70	498.54	498.54
35	474.55	498.39	498.39
40	472.93	496.69	496.69
45	469.81	493.41	493.41
50	465.10	488.47	488.47
55	458.71	481.76	481.76
60	450.52	473.16	473.16
65	440.38	462.52	462.52
70	428.18	449.71	449.71
75	413.79	434.61	434.61
80	397.13	417.12	417.12
85	378.15	397.20	397.20
90	356.86	374.85	374.85
95	333.35	350.17	350.17
100	307.76	323.32	323.32
105	280.36	294.56	294.56
110	251.51	264.29	264.29
115	221.73	233.05	233.05
120	191.72	201.58	201.58
125	162.47	170.92	170.92
130	135.47	142.63	142.63
135	113.02	119.13	119.13
140	98.42	103.87	103.87
145	94.85	100.15	100.15
150	102.47	108.10	108.10
155	117.89	124.23	124.23
160	137.21	144.46	144.46
165	157.75	165.97	165.97
170	177.93	187.12	187.12
175	196.81	206.92	206.92

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	213.86	224.80	224.80
185	228.75	240.42	240.42
190	241.28	253.57	253.57
195	251.34	264.12	264.12
200	258.85	272.00	272.00
205	263.79	277.18	277.18
210	266.13	279.63	280.48
215	265.87	279.36	280.00
220	263.01	276.36	276.36
225	257.56	270.64	270.64
230	249.53	262.22	262.22
235	238.97	251.14	251.14
240	225.96	237.49	237.49
245	210.62	221.40	221.40
250	193.17	203.10	203.10
255	173.97	182.97	182.97
260	153.64	161.66	161.66
265	133.18	140.24	140.24
270	114.38	120.56	121.44
275	100.18	105.72	109.25
280	94.61	99.89	104.66
285	100.53	106.08	113.63
290	117.00	123.29	123.29
295	140.59	148.00	148.00
300	168.20	176.92	176.92
305	197.70	207.85	207.85
310	227.73	239.35	239.35
315	257.37	270.45	270.45
320	285.97	300.45	300.45
325	313.03	328.85	328.85
330	338.22	355.29	355.29
335	361.30	379.51	379.51
340	382.13	401.38	401.38
345	400.65	420.81	420.81
350	416.85	437.82	437.82
355	430.79	452.45	452.45