



# A.H. Systems Inc.

9710 Cozycroft Ave. Chatsworth, CA 91311

Phone (818) 998-0223 Fax (818) 998-6892

E-mail: [Info@A.H.Systems.com](mailto:Info@A.H.Systems.com)

Web site: <http://www.AHSystems.com>

1 Meter Spacing

Log Periodic Antenna

1000 Watts maximum continuous Power

Model Number: SAS-517

## Power Requirements in Watts for Field Strength of

Frequency (MHz)	1 V/m	2 V/m	5 V/m	10 V/m	20 V/m	100 V/m	200 V/m
80	0.103	0.410	2.564	10.255	41.018	-----	-----
85	0.041	0.164	1.028	4.112	16.449	411.23	-----
90	0.035	0.138	0.865	3.462	13.846	346.15	-----
95	0.036	0.144	0.903	3.612	14.449	361.23	-----
100	0.034	0.136	0.848	3.392	13.570	339.24	-----
110	0.047	0.186	1.166	4.662	18.650	466.25	-----
120	0.052	0.209	1.307	5.228	20.912	522.79	-----
130	0.041	0.164	1.026	4.103	16.411	410.27	-----
140	0.035	0.138	0.865	3.458	13.834	345.84	-----
150	0.026	0.106	0.660	2.639	10.555	263.89	-----
160	0.021	0.085	0.531	2.123	8.491	212.27	849.08
170	0.020	0.081	0.504	2.016	8.065	201.63	806.53
180	0.016	0.065	0.408	1.632	6.528	163.21	652.82
190	0.015	0.062	0.387	1.548	6.192	154.79	619.18
200	0.027	0.110	0.686	2.745	10.978	274.46	-----
225	0.015	0.061	0.380	1.522	6.087	152.17	608.68
250	0.014	0.057	0.356	1.426	5.703	142.58	570.33
275	0.013	0.053	0.333	1.331	5.324	133.10	532.40
300	0.012	0.049	0.309	1.234	4.937	123.42	493.68
325	0.011	0.043	0.271	1.084	4.337	108.42	433.70
350	0.011	0.044	0.275	1.099	4.395	109.89	439.54
375	0.009	0.037	0.233	0.932	3.729	93.21	372.85
400	0.011	0.044	0.275	1.100	4.401	110.01	440.06
425	0.011	0.044	0.277	1.108	4.433	110.82	443.28
450	0.009	0.037	0.229	0.915	3.659	91.47	365.89
475	0.008	0.034	0.212	0.849	3.395	84.88	339.53
500	0.008	0.031	0.196	0.783	3.134	78.35	313.40
525	0.009	0.035	0.220	0.880	3.519	87.97	351.89
550	0.009	0.037	0.231	0.923	3.692	92.29	369.15
575	0.009	0.035	0.221	0.884	3.535	88.38	353.51
600	0.010	0.041	0.259	1.035	4.139	103.48	413.92
625	0.009	0.035	0.222	0.886	3.546	88.64	354.56
650	0.009	0.037	0.230	0.920	3.678	91.96	367.84
675	0.010	0.038	0.239	0.957	3.826	95.65	382.62
700	0.009	0.037	0.228	0.913	3.651	91.29	365.15
725	0.009	0.038	0.236	0.943	3.773	94.33	377.34
750	0.009	0.036	0.224	0.894	3.577	89.42	357.69
775	0.010	0.039	0.245	0.981	3.924	98.11	392.43
800	0.009	0.037	0.233	0.932	3.728	93.20	372.80
825	0.009	0.037	0.233	0.930	3.721	93.02	372.06
850	0.010	0.040	0.251	1.004	4.015	100.37	401.47
875	0.011	0.045	0.279	1.114	4.457	111.43	445.72
900	0.010	0.040	0.251	1.004	4.016	100.41	401.63
925	0.012	0.047	0.296	1.183	4.731	118.27	473.07
950	0.011	0.042	0.264	1.058	4.230	105.75	423.00



# A.H. Systems Inc.

9710 Cozycroft Ave. Chatsworth, CA 91311

Phone (818) 998-0223 Fax (818) 998-6892

E-mail: [Info@A.H.Systems.com](mailto:Info@A.H.Systems.com)

Web site: <http://www.AHSystems.com>

1 Meter Spacing

Log Periodic Antenna

1000 Watts maximum continuous Power

Model Number: SAS-517

## Power Requirements in Watts for Field Strength of

Frequency (MHz)	1 V/m	2 V/m	5 V/m	10 V/m	20 V/m	100 V/m	200 V/m
975	0.011	0.046	0.286	1.144	4.577	114.42	457.68
1000	0.010	0.039	0.244	0.976	3.905	97.61	390.45
1100	0.011	0.042	0.263	1.053	4.214	105.35	421.38
1200	0.011	0.042	0.263	1.054	4.216	105.40	421.59
1300	0.008	0.033	0.208	0.834	3.335	83.38	333.52
1400	0.007	0.030	0.184	0.738	2.951	73.77	295.08
1500	0.007	0.027	0.169	0.676	2.704	67.60	270.38
1600	0.008	0.032	0.201	0.805	3.221	80.52	322.07
1700	0.006	0.026	0.162	0.649	2.598	64.95	259.79
1800	0.007	0.030	0.186	0.743	2.974	74.34	297.37
1900	0.007	0.029	0.183	0.732	2.926	73.16	292.63
2000	0.008	0.032	0.197	0.788	3.152	78.79	315.17
2100	0.007	0.029	0.180	0.722	2.886	72.16	288.64
2200	0.006	0.025	0.158	0.632	2.527	63.18	252.72
2300	0.006	0.025	0.155	0.622	2.488	62.20	248.79
2400	0.007	0.030	0.186	0.744	2.978	74.44	297.75
2500	0.007	0.029	0.182	0.729	2.915	72.87	291.49
2600	0.007	0.029	0.182	0.727	2.908	72.70	290.80
2700	0.008	0.032	0.202	0.808	3.234	80.84	323.37
2800	0.008	0.031	0.191	0.764	3.058	76.45	305.78
2900	0.008	0.031	0.194	0.776	3.102	77.56	310.22
3000	0.009	0.037	0.231	0.926	3.702	92.55	370.21
3100	0.009	0.036	0.224	0.896	3.583	89.57	358.27
3200	0.011	0.042	0.263	1.052	4.206	105.16	420.65
3300	0.009	0.035	0.218	0.874	3.496	87.40	349.59
3400	0.008	0.031	0.196	0.785	3.141	78.53	314.12
3500	0.008	0.032	0.200	0.801	3.203	80.06	320.26
3600	0.010	0.038	0.240	0.961	3.844	96.10	384.38
3700	0.010	0.041	0.255	1.019	4.077	101.93	407.72
3800	0.012	0.047	0.292	1.169	4.675	116.88	467.50
3900	0.009	0.037	0.228	0.914	3.656	91.40	365.60
4000	0.008	0.033	0.204	0.816	3.266	81.65	326.59