

# Shively 6812 – 1 Bay

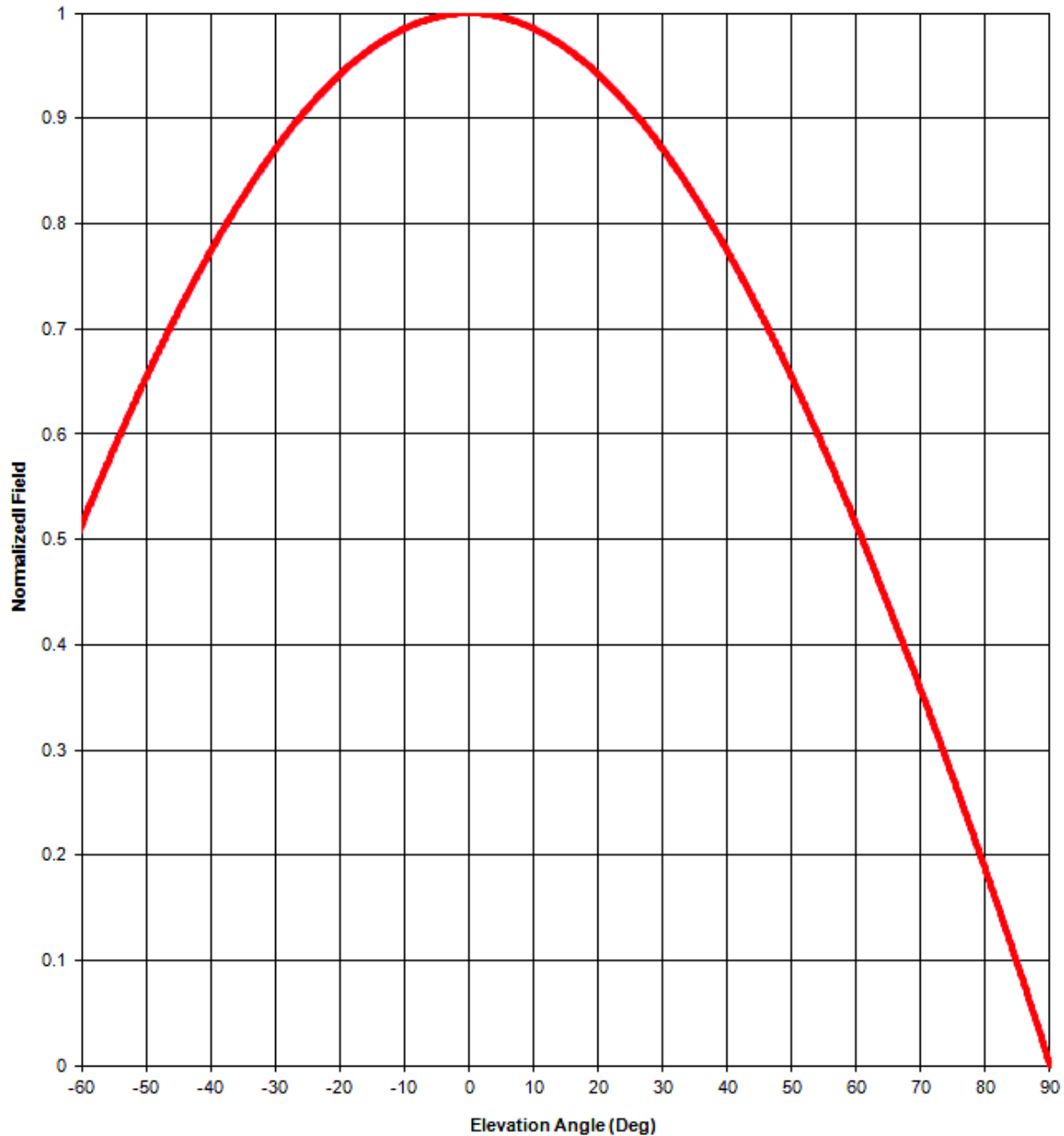
Power – 50 W

Height – 15.5 m

Contour – 126.9

depression angle below horizon	relative field	db from relative	ERP	angular distance to contour	vertical distance	horizontal distance	clearance above ground
0	1.000	0.00	50.00	22.398	0.000	22.398	15.500
5	0.996	-0.03	49.60	22.308	1.944	22.223	13.556
10	0.985	-0.13	48.51	22.062	3.831	21.727	11.669
15	0.967	-0.29	46.75	21.659	5.606	20.921	9.894
20	0.942	-0.52	44.37	21.099	7.216	19.826	8.284
25	0.910	-0.82	41.41	20.382	8.614	18.472	6.886
30	0.871	-1.20	37.93	19.508	9.754	16.895	5.746
35	0.826	-1.66	34.11	18.500	10.611	15.155	4.889
40	0.774	-2.23	29.95	17.336	11.143	13.280	4.357
45	0.717	-2.89	25.70	16.059	11.356	11.356	4.144
50	0.654	-3.69	21.39	14.648	11.221	9.416	4.279
55	0.586	-4.64	17.17	13.125	10.751	7.528	4.749
60	0.514	-5.78	13.21	11.512	9.970	5.756	5.530
65	0.437	-7.19	9.55	9.788	8.871	4.136	6.629
70	0.357	-8.95	6.37	7.996	7.514	2.735	7.986
75	0.273	-11.28	3.73	6.115	5.906	1.583	9.594
80	0.186	-14.61	1.73	4.166	4.103	0.723	11.397
85	0.096	-20.35	0.46	2.150	2.142	0.187	13.358
90	0.001	-60.00	0.00	0.022	0.022	0.000	15.478

## Elevation pattern



Antenna model: 6812b, single bay

Test frequency: 98.1 MHz

Gain (maximum):

Power	dB
0.46	-3.39 dB

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Degrees	Rel. Field
1	1.000
2	0.999
3	0.999
4	0.998
5	0.996
6	0.995
7	0.993
8	0.991
9	0.988
10	0.985
11	0.982
12	0.979
13	0.975
14	0.971
15	0.967
16	0.963
17	0.958
18	0.953

Degrees	Rel. Field
19	0.948
20	0.942
21	0.936
22	0.930
23	0.924
24	0.917
25	0.910
26	0.903
27	0.895
28	0.887
29	0.879
30	0.871
31	0.862
32	0.854
33	0.845
34	0.835
35	0.826
36	0.816

Degrees	Rel. Field
37	0.806
38	0.796
39	0.785
40	0.774
41	0.763
42	0.752
43	0.741
44	0.729
45	0.717
46	0.705
47	0.693
48	0.680
49	0.667
50	0.654
51	0.641
52	0.628
53	0.614
54	0.600

Degrees	Rel. Field
55	0.586
56	0.572
57	0.558
58	0.544
59	0.529
60	0.514
61	0.499
62	0.484
63	0.469
64	0.453
65	0.437
66	0.422
67	0.406
68	0.390
69	0.373
70	0.357
71	0.341
72	0.324

Degrees	Rel. Field
73	0.307
74	0.290
75	0.273
76	0.256
77	0.239
78	0.221
79	0.204
80	0.186
81	0.168
82	0.151
83	0.133
84	0.114
85	0.096
86	0.078
87	0.059
88	0.040
89	0.021
90	0.000

## Elevation Pattern Tabulation

Antenna model: 6812b, single bay

Relative Field at 0° Depression = 1.000