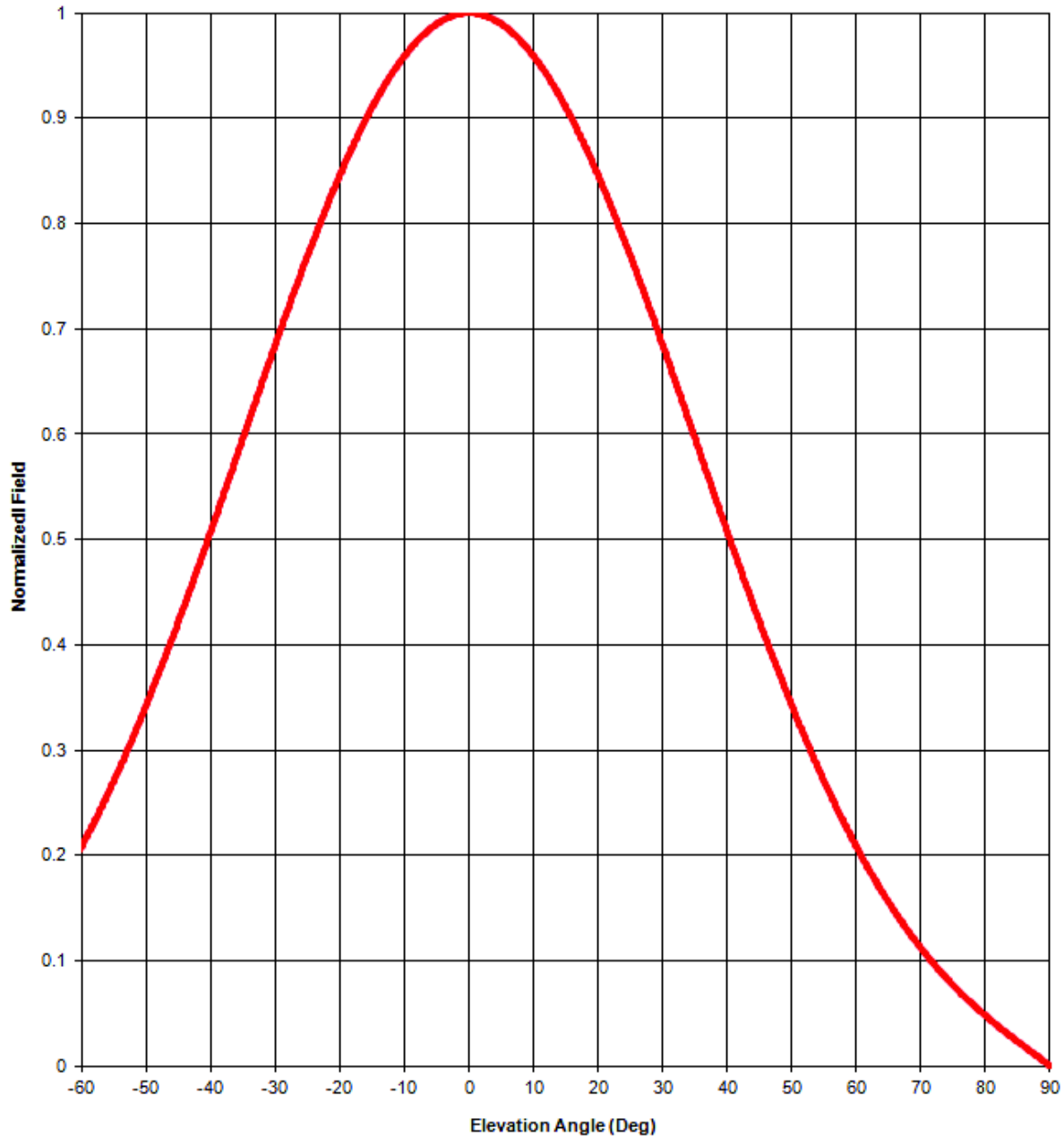


Shively 6812-b Two Bay Half-Wave Antenna

ERP: 50w AGL: 12.5m Contour: 125.1

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	27.555	0.000	27.555	12.500
5	0.990	-0.09	49.01	27.280	2.378	27.176	10.122
10	0.959	-0.36	45.98	26.425	4.589	26.024	7.911
15	0.910	-0.82	41.41	25.075	6.490	24.221	6.010
20	0.846	-1.45	35.79	23.312	7.973	21.906	4.527
25	0.770	-2.27	29.65	21.217	8.967	19.230	3.533
30	0.685	-3.29	23.46	18.875	9.438	16.346	3.062
35	0.596	-4.50	17.76	16.423	9.420	13.453	3.080
40	0.508	-5.88	12.90	13.998	8.998	10.723	3.502
45	0.422	-7.49	8.90	11.628	8.222	8.222	4.278
50	0.342	-9.32	5.85	9.424	7.219	6.058	5.281
55	0.271	-11.34	3.67	7.467	6.117	4.283	6.383
60	0.208	-13.64	2.16	5.731	4.964	2.866	7.536
65	0.156	-16.14	1.22	4.299	3.896	1.817	8.604
70	0.112	-19.02	0.63	3.086	2.900	1.056	9.600
75	0.077	-22.27	0.30	2.122	2.049	0.549	10.451
80	0.048	-26.38	0.12	1.323	1.303	0.230	11.197
85	0.023	-32.77	0.03	0.634	0.631	0.055	11.869
90	0.001	-60.00	0.00	0.028	0.028	0.000	12.472

Elevation pattern



Antenna model: 6812b, 2-bay half-wave-spaced

Test frequency: 98.1 MHz

Gain (maximum):

Power	dB
0.63	-1.97 dB

Document No. 6812b 2-bay hw (130701)

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Certified to ISO-9001

Degrees	Rel. Field	Degrees	Rel. Field	Degrees	Rel. Field	Degrees	Rel. Field	Degrees	Rel. Field
1	1.000	19	0.860	37	0.561	55	0.271	73	0.090
2	0.998	20	0.846	38	0.543	56	0.258	74	0.083
3	0.996	21	0.832	39	0.525	57	0.245	75	0.077
4	0.993	22	0.817	40	0.508	58	0.232	76	0.070
5	0.990	23	0.801	41	0.490	59	0.220	77	0.064
6	0.985	24	0.786	42	0.473	60	0.208	78	0.059
7	0.980	25	0.770	43	0.456	61	0.197	79	0.053
8	0.974	26	0.753	44	0.439	62	0.186	80	0.048
9	0.967	27	0.736	45	0.422	63	0.176	81	0.043
10	0.959	28	0.720	46	0.405	64	0.165	82	0.038
11	0.951	29	0.702	47	0.389	65	0.156	83	0.033
12	0.942	30	0.685	48	0.373	66	0.146	84	0.028
13	0.932	31	0.667	49	0.358	67	0.137	85	0.023
14	0.921	32	0.650	50	0.342	68	0.128	86	0.019
15	0.910	33	0.632	51	0.327	69	0.120	87	0.014
16	0.899	34	0.614	52	0.313	70	0.112	88	0.009
17	0.886	35	0.596	53	0.298	71	0.104	89	0.005
18	0.873	36	0.578	54	0.284	72	0.097	90	0.000

Elevation Pattern Tabulation

Antenna model: 6812b, 2-bay half-wave-spaced

Relative Field at 0° Depression = 1.000