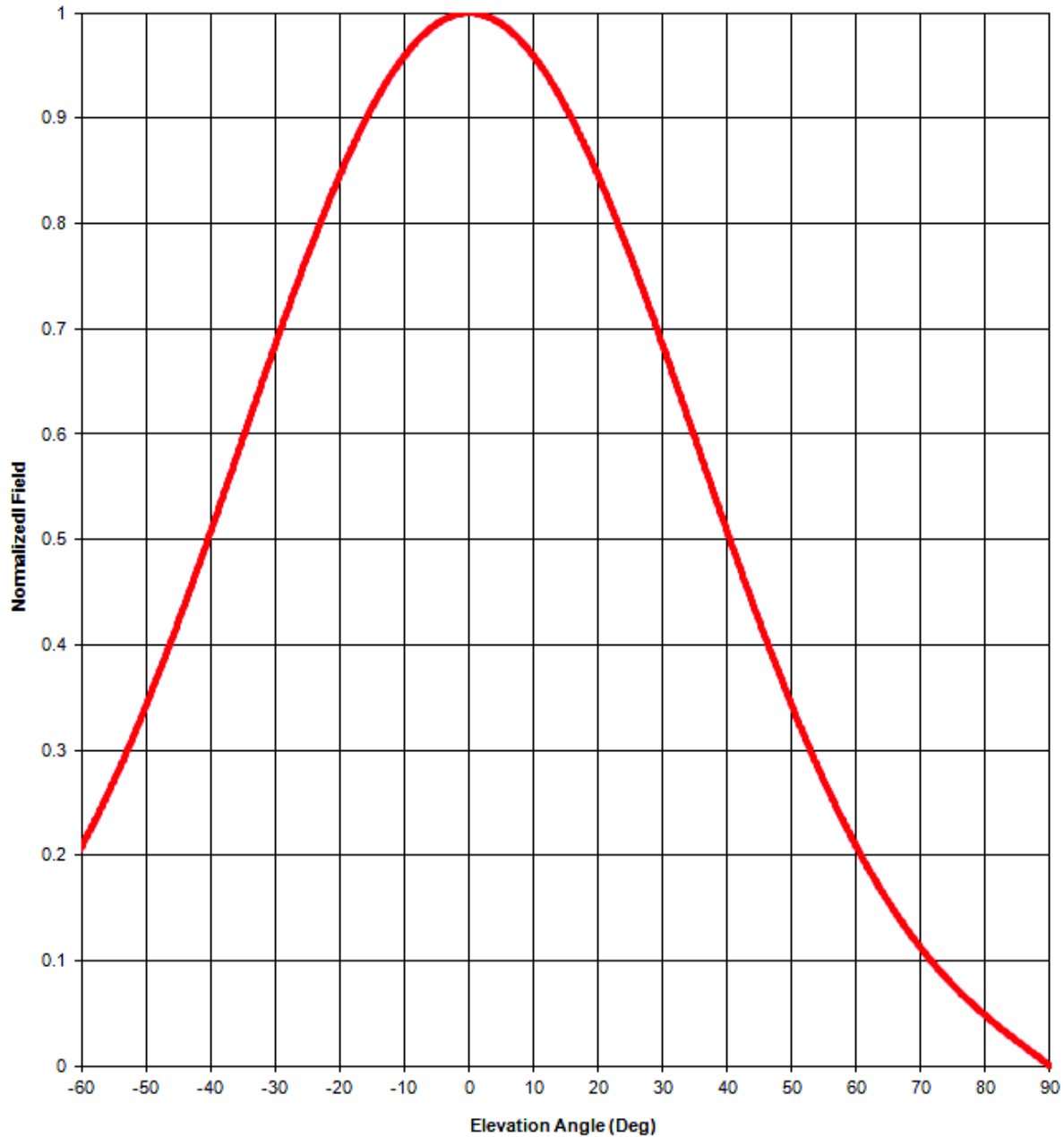


### Shively 2-Bay / Half-Wave antenna

COR = 15.5 meters    - Interfering dBu = 125.2

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	100.00	38.523	0.000	38.523	15.500
5	0.990	-0.09	98.01	38.138	3.324	37.992	12.176
10	0.959	-0.36	91.97	36.943	6.415	36.382	9.085
15	0.910	-0.82	82.81	35.056	9.073	33.861	6.427
20	0.846	-1.45	71.57	32.590	11.147	30.625	4.353
25	0.770	-2.27	59.29	29.663	12.536	26.883	2.964
30	0.685	-3.29	46.92	26.388	13.194	22.853	2.306
35	0.596	-4.50	35.52	22.960	13.169	18.807	2.331
40	0.508	-5.88	25.81	19.570	12.579	14.991	2.921
45	0.422	-7.49	17.81	16.257	11.495	11.495	4.005
50	0.342	-9.32	11.70	13.175	10.092	8.469	5.408
55	0.271	-11.34	7.34	10.440	8.552	5.988	6.948
60	0.208	-13.64	4.33	8.013	6.939	4.006	8.561
65	0.156	-16.14	2.43	6.010	5.447	2.540	10.053
70	0.112	-19.02	1.25	4.315	4.054	1.476	11.446
75	0.077	-22.27	0.59	2.966	2.865	0.768	12.635
80	0.048	-26.38	0.23	1.849	1.821	0.321	13.679
85	0.023	-32.77	0.05	0.886	0.883	0.077	14.617
90	0.001	-60.00	0.00	0.039	0.039	0.000	15.461

## 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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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