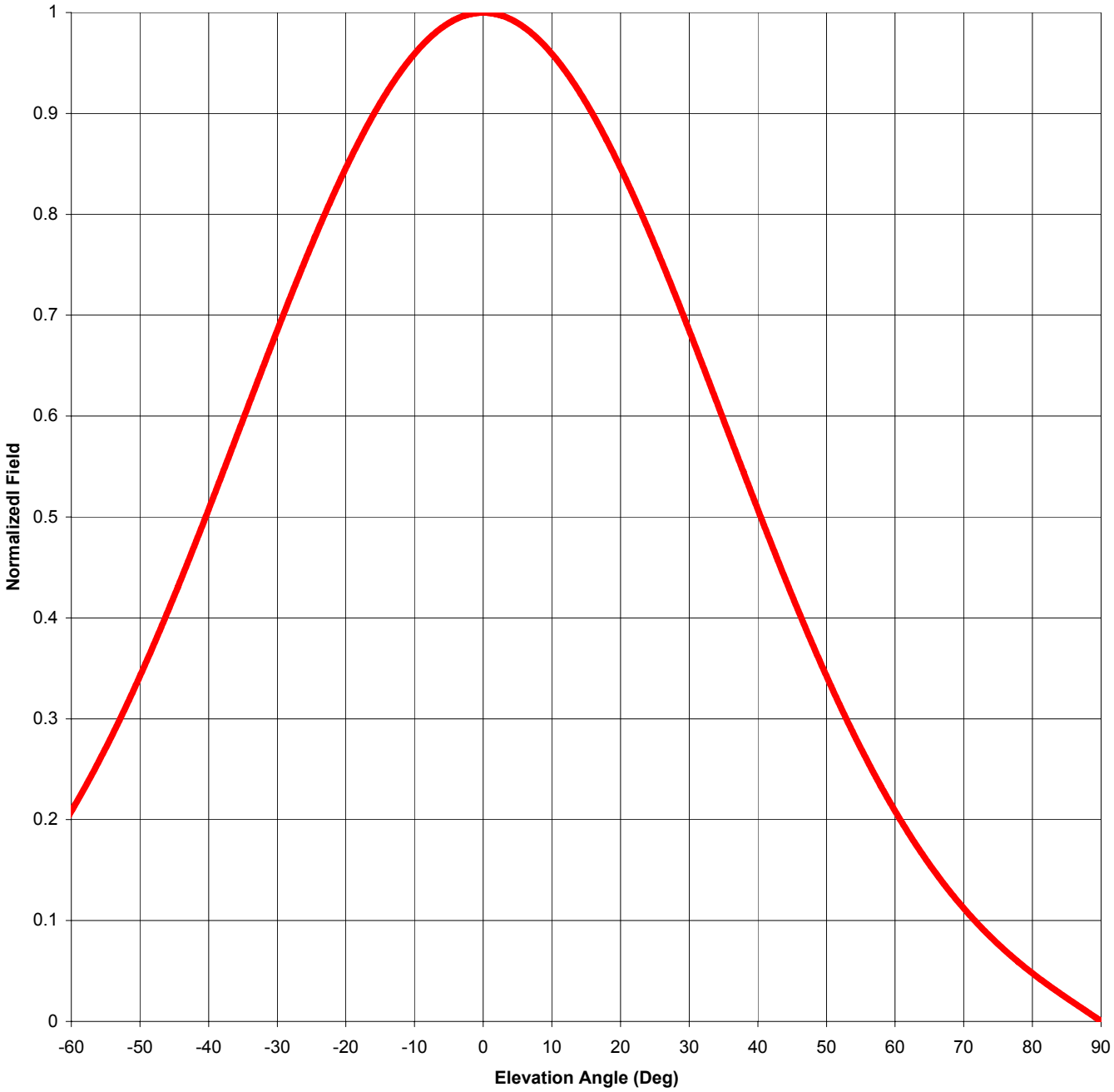
Shively Labs®

Antenna Mfr.: Shively Labs **Date:** 11/1/2010
Antenna Type: 6812B 2-Bay, 1/2-wave spaced
Frequency: 90.3 **6812B Gain (Max)** 0.63 -1.97 dB



Elevation Pattern Tabulation, 6602B and 6812B 2-Bay Half-Wave-Spaced

Relative Field at 0° Depression = 1.000

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

2-bay Half Wave Spaced Circularly Polarized FM Antenna

Frequency =	90.3	Mhz	ERP=	99	watts
Interfering Contour	105.5	dBu (50,10)	Height =	72	m AGL

Degrees	Rel. Field	Power	Distance to Contour	Degrees	Rel. Field	Power	Distance to Contour
1	1.000	99.0	370.5251	46	0.405	16.2	150.0627
2	0.998	98.6	369.7840	47	0.389	15.0	144.1343
3	0.996	98.2	369.0430	48	0.373	13.8	138.2059
4	0.993	97.6	367.9314	49	0.358	12.7	132.6480
5	0.990	97.0	366.8198	50	0.352	12.3	130.4248
6	0.985	96.1	364.9672	51	0.327	10.6	121.1617
7	0.980	95.1	363.1146	52	0.313	9.7	115.9743
8	0.974	93.9	360.8914	53	0.298	8.8	110.4165
9	0.967	92.6	358.2977	54	0.284	8.0	105.2291
10	0.959	91.0	355.3335	55	0.271	7.3	100.4123
11	0.951	89.5	352.3693	56	0.258	6.6	95.5955
12	0.942	87.8	349.0346	57	0.245	5.9	90.7786
13	0.932	86.0	345.3294	58	0.232	5.3	85.9618
14	0.921	84.0	341.2536	59	0.220	4.8	81.5155
15	0.910	82.0	337.1778	60	0.208	4.3	77.0692
16	0.899	80.0	333.1020	61	0.197	3.8	72.9934
17	0.886	77.7	328.2852	62	0.186	3.4	68.9177
18	0.873	75.5	323.4684	63	0.179	3.2	66.3240
19	0.860	73.2	318.6516	64	0.165	2.7	61.1366
20	0.846	70.9	313.4642	65	0.156	2.4	57.8019
21	0.832	68.5	308.2769	66	0.146	2.1	54.0967
22	0.817	66.1	302.7190	67	0.137	1.9	50.7619
23	0.801	63.5	296.7906	68	0.128	1.6	47.4272
24	0.786	61.2	291.2327	69	0.120	1.4	44.4630
25	0.770	58.7	285.3043	70	0.112	1.2	41.4988
26	0.753	56.1	279.0054	71	0.104	1.1	38.5346
27	0.736	53.6	272.7065	72	0.097	0.9	35.9409
28	0.720	51.3	266.7780	73	0.090	0.8	33.3473
29	0.702	48.8	260.1086	74	0.083	0.7	30.7536
30	0.685	46.5	253.8097	75	0.077	0.6	28.5304
31	0.667	44.0	247.1402	76	0.064	0.4	23.7136
32	0.650	41.8	240.8413	77	0.059	0.3	21.8610
33	0.632	39.5	234.1718	78	0.053	0.3	19.6378
34	0.614	37.3	227.5024	79	0.048	0.2	17.7852
35	0.596	35.2	220.8329	80	0.043	0.2	15.9326
36	0.578	33.1	214.1635	81	0.043	0.2	15.9326
37	0.561	31.2	207.8646	82	0.038	0.1	14.0800
38	0.543	29.2	201.1951	83	0.033	0.1	12.2273
39	0.525	27.3	194.5257	84	0.028	0.1	10.3747
40	0.508	25.5	188.2267	85	0.023	0.1	8.5221
41	0.490	23.8	181.5573	86	0.019	0.0	7.0400
42	0.473	22.1	175.2584	87	0.014	0.0	5.1874
43	0.456	20.6	168.9594	88	0.009	0.0	3.3347
44	0.439	19.1	162.6605	89	0.005	0.0	1.8526
45	0.422	17.6	156.3616	90	0.000	0.0	0.0000