

## Gain of Half-Wave and Full-Wave-Spaced Arrays

### Circularly-polarized antennas:

No. of Bays	Full-Wave-Spaced		Half-Wave-Spaced	
	Power Gain	dB Gain	Power Gain	dB Gain
1	0.46	-3.40	--	--
2	0.99	-0.04	0.70	-1.54
3	1.55	1.90	1.01	1.05
4	2.12	3.26	1.31	1.17
5	2.70	4.31	1.62	2.08
6	3.28	5.16	1.92	2.83
7	3.87	5.88	2.22	3.47
8	4.46	6.50	2.53	4.03
10	5.65	7.52	3.14	4.96
12	6.85	8.36	3.75	5.74
14	8.05	9.06	4.36	6.39
16	9.25	9.66	4.96	6.96

### Vertically- or horizontally-polarized antennas:

No. of Bays	Full-Wave-Spaced		Half-Wave-Spaced	
	Power Gain	dB Gain	Power Gain	dB Gain
1	0.92	-0.36	--	--
2	1.98	2.97	1.40	1.46
3	3.10	4.91	2.02	4.05
4	4.24	6.27	2.62	4.17
5	5.40	7.32	3.24	5.08
6	6.56	8.17	3.84	5.83
7	7.74	8.89	--	--
8	8.92	9.50	5.06	7.03
10	11.30	10.53	6.28	7.96
12	13.70	11.37	7.50	8.74
14	16.10	12.07	8.70	9.39
16	18.50	12.67	9.92	9.96

### NOTE

These gain figures are valid for any Shively FM antenna. Please contact the factory for gain figures for spacing other than full- or half-wave.