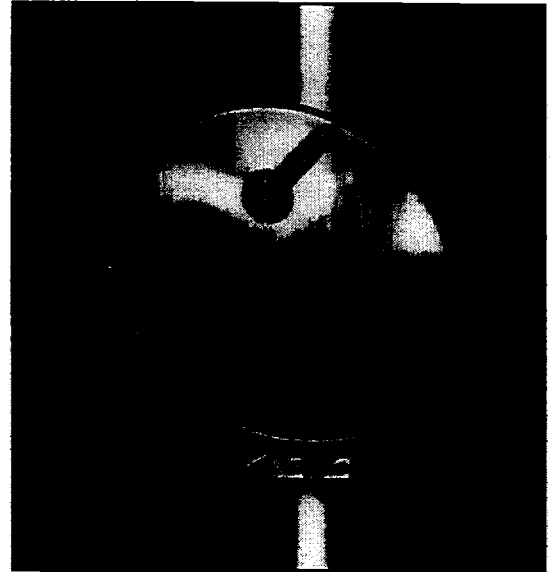


SPREAD SPECTRUM ANTENNAS

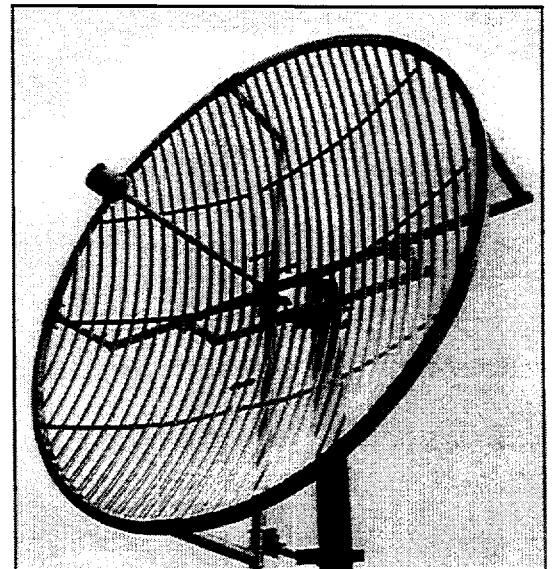
Demand for Spread spectrum radios is increasing dramatically with the wide range of applications around the world. Quick installation and cost-efficiency are some of the driving factors for radio and antenna selection.

COMSAT RSI has a line of antennas specifically designed to meet the needs of Spread Spectrum systems with flexibility, budget considerations, ease-of-installation and application flexibility built in resulting in a lower system implementation cost.

With over 45 years of experience, the COMSAT RSI "Mark" antenna line is continually being improved to meet changing customer needs and is innovation you can rely on.



- High reliability in a cost efficient design
- Field changeable Horizontal / Vertical polarization
- Multiple connector options
- Grid and Compact Grid for ease of transportation
- Full range of spread spectrum frequencies



<u>Model Number</u>	<u>Size</u>		<u>Low</u>	<u>Gain (dBi)</u>			<u>HPBW (degrees)</u>	<u>F/B Ratio (dB)</u>	<u>XPD (dB)</u>	<u>VSWR (max)</u>	<u>Low VSWR</u>
	<u>ft</u>	<u>m</u>		<u>Midband</u>	<u>High</u>						

875-960 MHz

Grid Antennas											
P-8A48G‡	4	1.2	19.1	19.5	19.9	17.75	21	40	1.5	NA	
P-8A72G‡	6	1.8	21.6	22	22.4	12.25	22	40	1.3	NA	
P-8A96G‡	8	2.4	23.9	24.5	24.7	9.5	24	40	1.3	NA	
P-8A120G‡	10	3.0	26.6	27	27.4	7.3	27	40	1.3	NA	
P-8A144G‡	12	3.7	27.5	27.9	28.3	6.4	28	40	1.3	NA	
P-8A180G‡	15	4.6	28.4	28.8	29.2	4.9	30	40	1.3	NA	

2300-2500 MHz

Grid Antennas											
P-24A36G‡	3	.9	25.3	25.7	26	8.4	28	32	1.5	NA	
P-24A48G‡	4	1.2	26.8	27.5	27.7	6.75	34	40	1.3	1.15	
P-24A72G‡	6	1.8	30.1	30.8	31.1	4.4	37	30	1.3	1.10	
P-24A96G‡	8	2.4	32.6	33.5	33.6	3.5	38	32	1.1	1.08	
P-24A120G‡	10	3.0	34.7	35.1	35.6	2.8	42	32	1.1	1.08	
P-24A144G‡	12	3.7	36.1	36.8	37.3	2.4	40	31	1.1	1.08	
P-24A180G‡	15	4.6	38.1	38.6	39.1	1.9	48	30	1.1	1.08	

Solid Antennas											
P-24A24‡	2	.6	20.7	21.1	21.5	14	35	24	1.5	1.30	
P-24A48‡	4	1.2	26.8	27.1	27.5	7.2	33	26	1.3	1.15	
P-24A72‡	6	1.8	30.3	30.6	31	4.8	36	26	1.3	1.10	
P-24A96‡	8	2.4	32.7	33.1	33.4	3.6	39	27	1.1	NA	
P-24A120‡	10	3.0	34.7	35.1	35.4	2.85	43	30	1.1	NA	
P-24A144‡	12	3.7	36.4	36.8	37.1	2.8	43	30	1.1	NA	
P-24A180‡	15	4.6	38.2	38.6	38.9	1.9	48	27	1.1	NA	
S-24A4	4"	0.1	9.7	10.2	10.4	60	15	30	1.3	NA	

5725-5850 MHz

Solid Antennas											
P-57B24†	2	.6	28.9	29	29.1	5.8	39	30	1.15	NA	
P-57B48†	4	1.2	34.6	34.7	34.8	2.8	41	30	1.15	NA	
P-57A72†	6	1.8	38.1	38.2	38.3	2	46	30	1.1	NA	
P-57A96†	8	2.4	40.7	40.8	40.9	1.45	52	30	1.08	NA	
P-57A120†	10	3.0	42.4	42.5	42.6	1.2	52	30	1.06	NA	
P-57C24††	2	.6	28.9	29	29.1	5.8	39	30	1.3	NA	
P-57A48††	4	1.2	34.6	34.7	34.8	2.8	41	30	1.3	NA	
P-57A72††	6	1.8	38.1	38.2	38.3	2	46	30	1.3	NA	
P-57A96††	8	2.4	40.7	40.8	40.9	1.45	52	30	1.3	NA	
P-57A120††	10	3.0	42.4	42.5	42.6	1.2	52	30	1.3	NA	

‡ Available Flanges - 7/8 EIA (Pressurized) E 7/16 DIN (Unpressurized) F 7/8 EIA (Unpressurized) N N Female (Unpressurized) L 7/8 EIA (Pressurized) Low VSWR	† Available Flanges N N Female (Unpressurized) E 7/16 DIN (Unpressurized) †† Available Flange CPR 137G
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