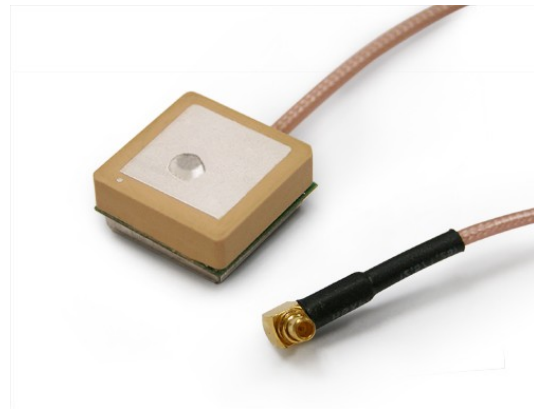


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### GPS Patch antenna

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- **GPS Active Antenna**
- **27dB Gain**
- **High Sensitivity**
- **High Performance**
- **Dual Voltage**
- **Suitable for embedded applications**

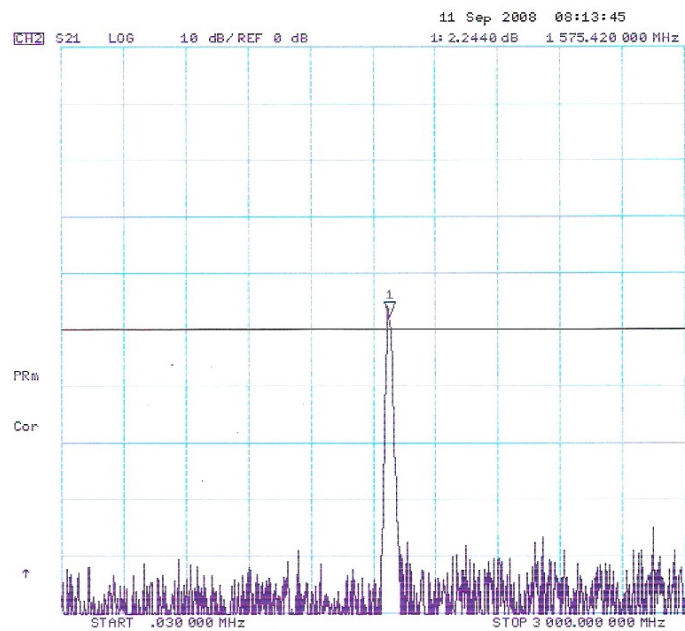
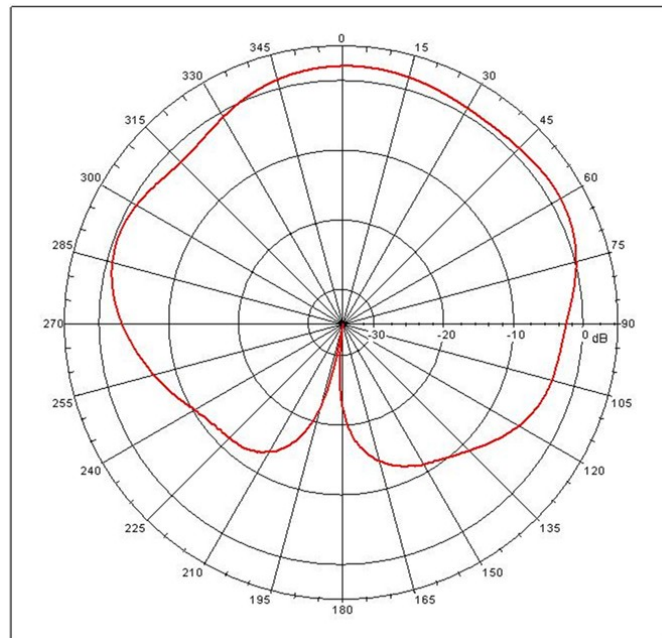


ADA-15S is a most compact/thin high gain GPS 3V and 5V antenna module. With comprehensive coverage almost all way to the horizon, it performs excellent in foliage or urban canyon environment. Also, ADA-15S is compatible with most GPS receives available on the market and provides a perfect alternative for the application of the GPS in different fields.

## Specification

Category	GPS
Frequency	1575.42 ± 3 MHz
Polarization	R.H.C.P.
Antenna Gain	Typ. 0.5 dBic
Bandwidth	5 MHz min @S11-10 dB.
	LNA
Amplifier Gain	Typ 27 dB
Noise figure	Typ 1.5 dB
Output Impedance	50 Ω
VSWR	< 2.0:1
	Electrical Specifications
Supply Voltage	2.5 – 5.5 VDC
Power consumption	9.0 mA (3.3V DC)
Total Gain	25dB
Impedance	50 Ω
VSWR	< 2.0 : 1
RF Cable	RG 178/U (std), others available
Connector	Standard RF Connectors
	Overall Performance
GPS part size	15 x 15 mm
Weight	4 ± 0.5 grams
Mounting	Sticky tape
Operating temperature	-40 — +85 ° C
Storage temperature	-40 — +90 ° C

1575 MHz



## Ordering codes

TYPE	Description	Comment
ADA-15S	Cable, length and Connector	GPS Patch antenna

For the latest updates, visit our Web site: [www.adactus.se](http://www.adactus.se)

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