



### Description:

The APX27 is a folding whip in 9 sections for portable VHF radio sets. This version of the antenna also has a built-in L1 band GPS element. The antenna utilises fibreglass elements with a conductive coating that gives excellent mechanical and electrical properties.

This version of the antenna is designed to be used together with the SINCGARS radio. The antenna includes a broad band matching network. Other versions of this antenna are available on request.

### Electrical specifications:

Frequency range	30-108 MHz
Impedance	50 Ohm
VSWR	<3.5:1
Power rating	15 W
Frequency range GPS	1575MHz
Power supply GPS	2.7-5.5V @ <23mA, + in center
Amplifier gain GPS	25dB

### Mechanical specifications:

Design	Glass fibre elements with conductive coating, brass plated ferrules and elastic cord.
Length	2.8 m (9.2 feet)
Weight	0.95 kg
Finish	Polyurethane lacquer, olive
Temperature range	-55 °C, +71 °C; -67 °F, +160 °F

### Variants:

Variants are available with different lengths and number of sections. The standard antenna is supplied with a shock absorbing spring. It can also be supplied with a gooseneck to allow antenna orientation.

### Connectors:

The standard antenna is supplied with a SINCGARS connector for VHF and an SMA male connector for the GPS. Other versions can be manufactured according to customer specifications. The GPS element is fed with a separate cable that incorporates a filter to suppress the VHF cable.

