



### Key Features

- Blade dimensions: 117mm x 22mm x 5mm
- RoHS compliant
- 2.5dBi gain (GSM)
- Quad band cellular and 2.1GHz
- Mounts on any non metallic surface

### General Description

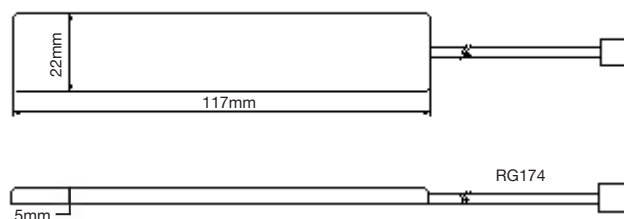
The Siretta Alpha 11 GSM and 3G antennas are based on an efficiently tuned PCB element that is matched with a wide variety of RF and M2M modules, operating on cellular and 3G frequencies. It is designed as a ready to go antenna which fits most telemetry applications.

The Alpha 11 is a competent performer at 2.5dBi gain for GSM. It is also a robust design, not intended to be waterproof but at home in most environments. The Alpha 11 will suit the cost conscious volume applications where a quality product and good performance are required.

With an EndFed cable and measuring 117 x 22mm this version comes with its own adhesive mounting pad and is available with any length cable and connectors. See popular types over page.

### Additional Considerations

- Mounts discretely in installation, good for covert use
- Operates on all cellular networks and 3G
- Meets all EU compliance criteria for electronic goods
- Intended for internal to equipment use



Rev 1.3

#### Key Specifications - Electrical

Operating temperature range:	-40 to +75°C
Impedance:	50 Ohm
Gain:	2.5dBi
VSWR:	≤1.5:1
Max input power:	50W
Voltage and supply current:	Passive
Max input power:	60W
Frequency:	850/900/1800/1900/2100MHz
Polarization:	Vertical

#### Gain

##### GSM

850MHz:	-3.91dBi
900MHz:	-2.78dBi
1800MHz:	-0.73dBi
1900MHz:	0.64dBi

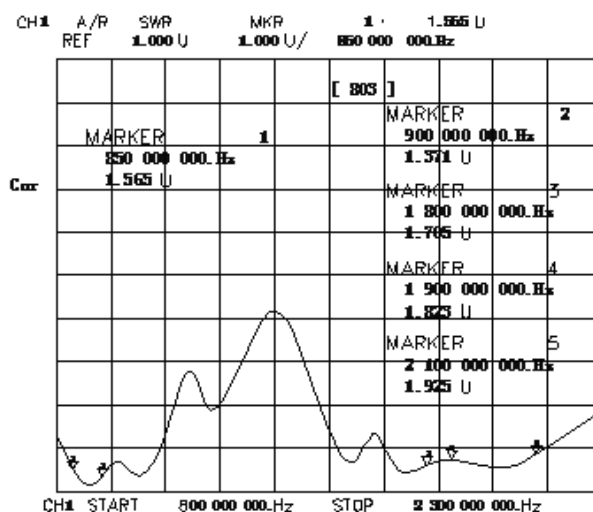
##### 3G

2100MHz:	0.60dBi
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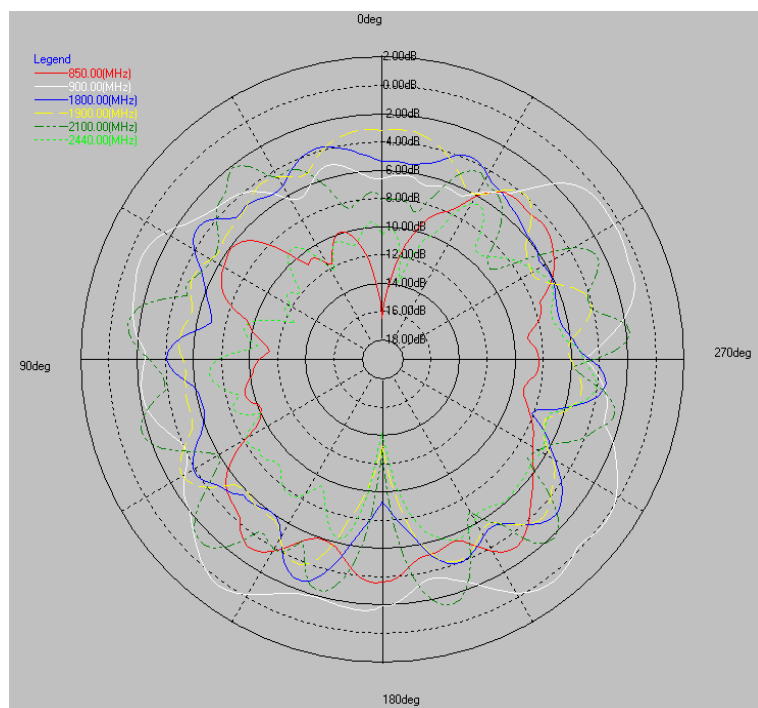
#### Key Specifications - Mechanical

Dimensions:	117mm x 22mm x 5mm
Cable type:	RG174
Cable length:	According to customer specification
Connector:	According to customer specification
Mounting:	Double sided adhesive

#### SWR Graph



### Gain vs. Frequency Plot



**UL Tested (Basingstoke, UK)**  
Part: ALPHA11/2.5M/SMAM/S/S/20

### Ordering Details

Part Number	Description
ALPHA11/3M/SMAM/S/S/20	Adhesive Flat Blade Quad Band GSM/3G Antenna, 3m Cable, SMA Male Connector
ALPHA11/3M/FMEF/S/S/20	Adhesive Flat Blade Quad Band GSM/3G Antenna, 3m Cable, FME Female Connector
ALPHA11/1M/SMAM/S/S/20	Adhesive Flat Blade Quad Band GSM/3G Antenna, 1m Cable, SMA Male Connector
ALPHA11/1M/FMEF/S/S/20	Adhesive Flat Blade Quad Band GSM/3G Antenna. 1m Cable, FME Female Connector
ALPHA11/5M/SMAM/S/S/20	Adhesive Flat Blade Quad Band GSM/3G Antenna, 5m Cable, SMA Male Connector
ALPHA11/5M/FMEF/S/S/20	Adhesive Flat Blade Quad Band GSM/3G Antenna, 5m Cable, FME Female Connector