



Key Features

- 27dB pre-amplifier
- High grade mounting adhesive
- 3 metre cable
- 50mm x 17.5 mm
- RoHS compliant

General Description

The Siretta Alpha 7 range of GPS and GSM combined antennas offer an excellent performance coupled with a simple installation to provide a quick, reliable fit either to OEM or after market telemetry products. This versatility makes it popular amongst trade suppliers to the automotive industry.

The 27dB pre-amplifier circuit ensures compatibility with many of today's GPS receivers whilst the 900/1800MHz dipole will allow GSM and GPRS coverage throughout Europe, Africa and most of Asia.

Additional Considerations

- Improves signal to noise ratio for mobile applications
- 3M PE foam backed ensures long lasting bond to windscreen
- Ideal for routing around headlining or under dash of vehicle
- Works on all UK and European GSM / GPRS cellular networks
- Meets all EU compliance criteria for electronic goods

Key Specifications - Electrical

Temperature range:	-40 to +85°C
Impedance:	50 Ohm
GPS gain LNA:	27dB at LNA
GPS gain patch:	5dBi typ.
Gain at elevation of 10°	-1.0dBi min
Noise figure:	1.5dBi typ.
VSWR:	2.0 max
Current and voltage:	22mA max - 5V 15mA max - 3.3V
Polarization:	RHCP
Centre frequency GPS:	1575.42 MHz ± 1.023 MHz
Bandwidth:	10MHz
GSM frequency range (cellular):	900, 1800MHz
GSM polarization (cellular):	Vertical (denoted by cable exit pointing straight up or down)

Key Specifications - Mechanical

Dimensions:	50mm x 17.5mm without cable
Case:	Black ABS plastic
Mounting method:	Adhesive

Gain

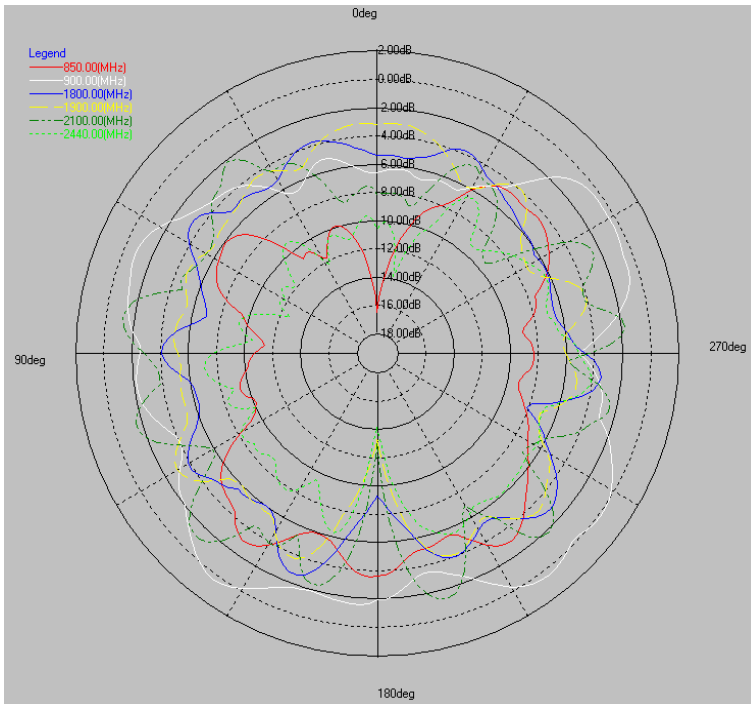
GSM

850MHz:	-3.12dBi
900MHz:	0.14dBi
1800MHz:	-2.76dBi
1900MHz:	-3.02dBi

GPS

1575.42MHz	-3.91dBi
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Gain vs. Frequency Graph



UL Tested (Basingstoke, UK)
Part: ALPHA7/3M/SMAM/S/S/11