

### Key Features

- Small size
- Right angle SMA male connector
- Quad band GSM and 3G
- ISM: 868 and 915MHz
- Groundplane independent
- RoHS compliant



### General Description

The Delta 2A Multiband antenna combines good performance in a small size, enabling its use with many of today's GSM / GPRS, 3G and ISM products.

Terminated with an SMA male or SMA RP right angle connector, it is ideally suited to applications requiring a simple, cable free set up, such as Point of Sale, metering or alarm panel equipment; as well as being a popular addition to radio manufacturers evaluation kits.

The omni directional, radiating element is over moulded in black high-grade rubber which allows flexibility and provides a rugged stylish finish, ensuring years of reliable use.

The Delta 2A is a popular antenna for customers requiring a straightforward to fit, versatile product, that is qualified and used with many of today's GSM / GPRS and 3G terminals and manufacturers of wireless communication equipment.

### Additional Considerations

- Ensures antenna can be discretely mounted
- Fits to many popular GSM / GPRS and 3G terminal equipment
- Does not rely on mounting on metallic surface
- Meets all EU compliance criteria for electronic goods

Rev 1.7

### Key Specifications - Electrical

Operating temperature range:	-20 to +60°C
Storage temperature range:	-30 to +75°C
Impedance:	50 ohm
VSWR:	2.0 Max
Operating frequencies:	<b>GSM:</b> 800, 900, 1800, 1900MHz <b>3G:</b> 2100MHz <b>ISM:</b> 868, 915MHz
Radiation:	Omni

### Key Specifications - Mechanical

Dimensions:	53.5mm
Connector:	Right angle SMA male, SMA RP
Mounting method:	Direct connect
Connector plating:	Gold/Nickel

### Gain

#### ISM

868MHz:	-1.65dBi
915MHz:	-1.1dBi

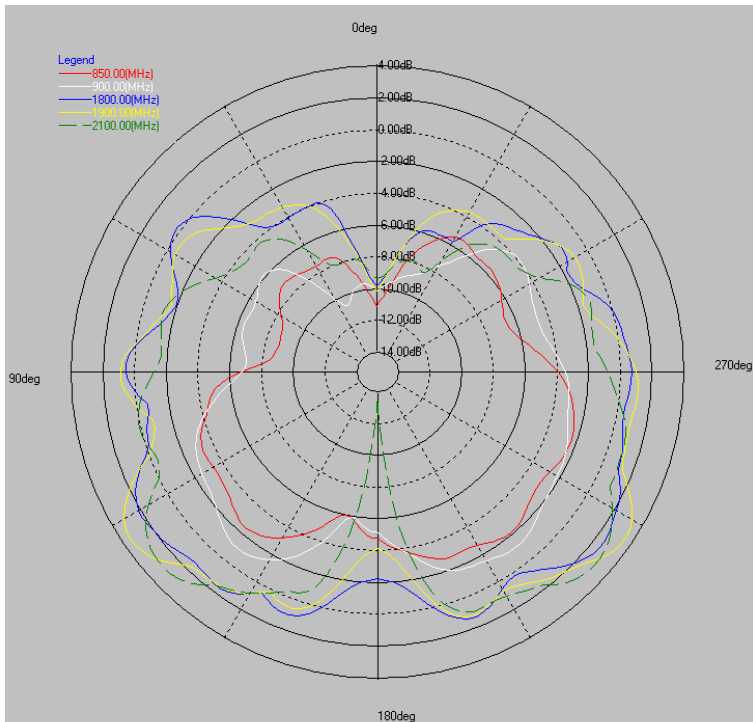
#### GSM

850MHz:	-2.15dBi
900MHz:	-1.14dBi
1800MHz:	2.54dBi
1900MHz:	3.5dBi

#### 3G

2100MHz:	2.98dBi
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## Gain vs. Frequency Graph



**UL Tested (Basingstoke, UK)**  
Part: DELTA 2A - Centralised position