



### Key Features

- Quad band GSM & 3G
- ISM: 868 and 915MHz
- 56mm
- SMA male connector
- Groundplane independent
- RoHS compliant

### General Description

The Delta 1A 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 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 1A 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 / UMTS terminals and manufacturers of wireless communication equipment.

### Additional Considerations

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

Rev 1.3

## Key Specifications - Electrical

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

## Gain

### ISM

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

### GSM

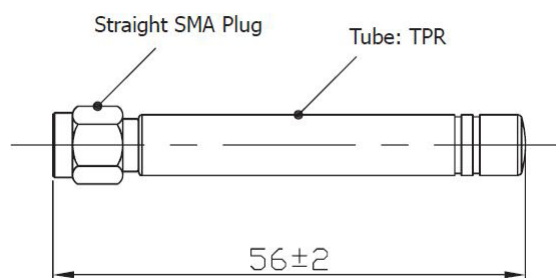
850MHz:	-2.15dBi
900MHz:	-1.14dBi
1800MHz:	2.54dBi
1900MHz:	3.5dBi

### 3G

2100MHz:	2.98dBi
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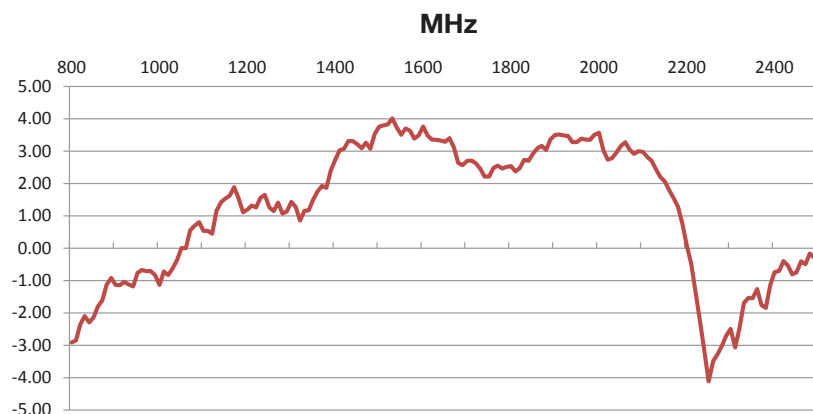
## Key Specifications - Mechanical

Dimensions:	56mm
Connector:	SMA male
Mounting method:	Direct connect
Connector plating:	Gold/Nickel



## Test Results

Peak Gain (dBi)



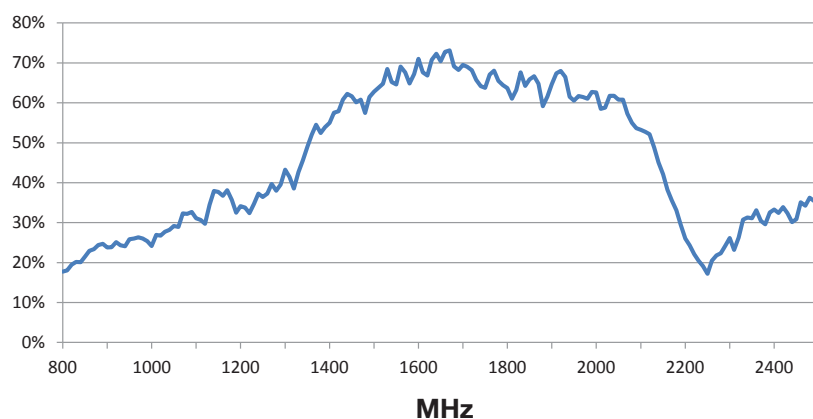
**UL Tested (Basingstoke, UK)**

Part: DELTA1A/x/SMAM/S/S

Ref No: 10215162JD02

Date: 13/02/2014

Efficiency %



**UL Tested (Basingstoke, UK)**

Part: DELTA1A/x/SMAM/S/S

Ref No: 10215162JD02

Date: 13/02/2014

## Ordering Details

Part Number

Description

DELTA1A/X/SMAM/S/S

Stubby Quad Band GSM & 3G Antenna, SMA Male