# Alpha 3A

2G/GPRS, 3G, ISM and WiFi Adhesive Mount Antenna

## Key Features

- Compact size
- 2.62 dBi peak gain
- Mounts on any non metallic surface
- Quad band 2G, 3G and WiFi
- ISM: 868 and 915MHz

## General Description

The Alpha 3A multi band antenna is based on an efficiently tuned PCB element that is matched with a wide variety of RF & M2M modules, operating on quad band 2G, 3G, ISM and WiFi frequencies. It is designed as a ready to go antenna which fits most telemetry products.

Already proven in many applications where space is at a premium, this product is ideal as it is ground plane independent and compact, making it a popular choice where the user does not want to draw attention to having telemetry equipment on board.

Alternative cable lengths or connector types can be specified for volume orders.

## Additional Considerations

- Mounts discretely in installation, good for covert use
- Operates on all quad band GSM and 3G cellular networks
- ISM and WiFi capable
- Meets all EU compliance criteria for electronic goods
- Intended for internal use

Rev 1.7

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## Electrical Specifications

| | |
|---|---|
| Temperature Range: | -40 - +85°C |
| Impedance: | 50 Ohm |
| VSWR: | <2.0 |
| Gain: | 2dBi |
| Frequency Range: | 824-894/1710-2170/ 2400-2500MHz |
| Polarization: | Linear |

## Key Specifications - Electrical

| | |
|---|---|
| Operating Temperature: | -40 - +85°C |
| Relative Humidity: | Up to 95% |

## Mechanical Specifications

| | |
|---|---|
| Dimensions: | L72 x W25 x H7.7mm |
| Cable: | RG174 |
| Connector: | SMA Male / FME Female |
| Radome Material: | ABS |
| Mounting Method: | Adhesive |
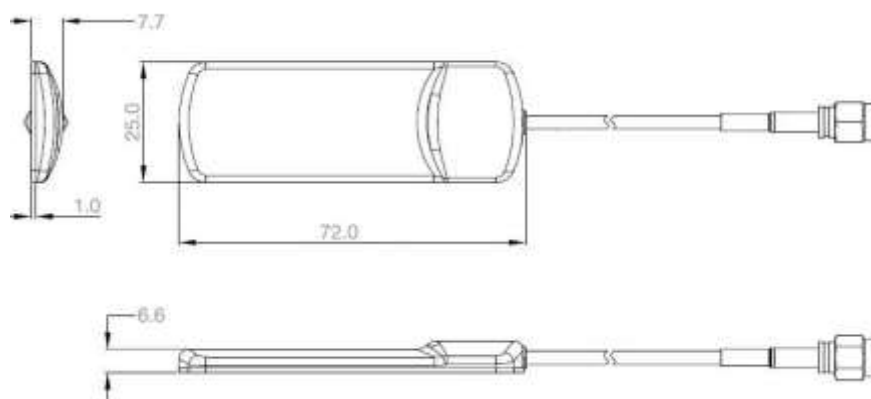
## Radiation Patterns
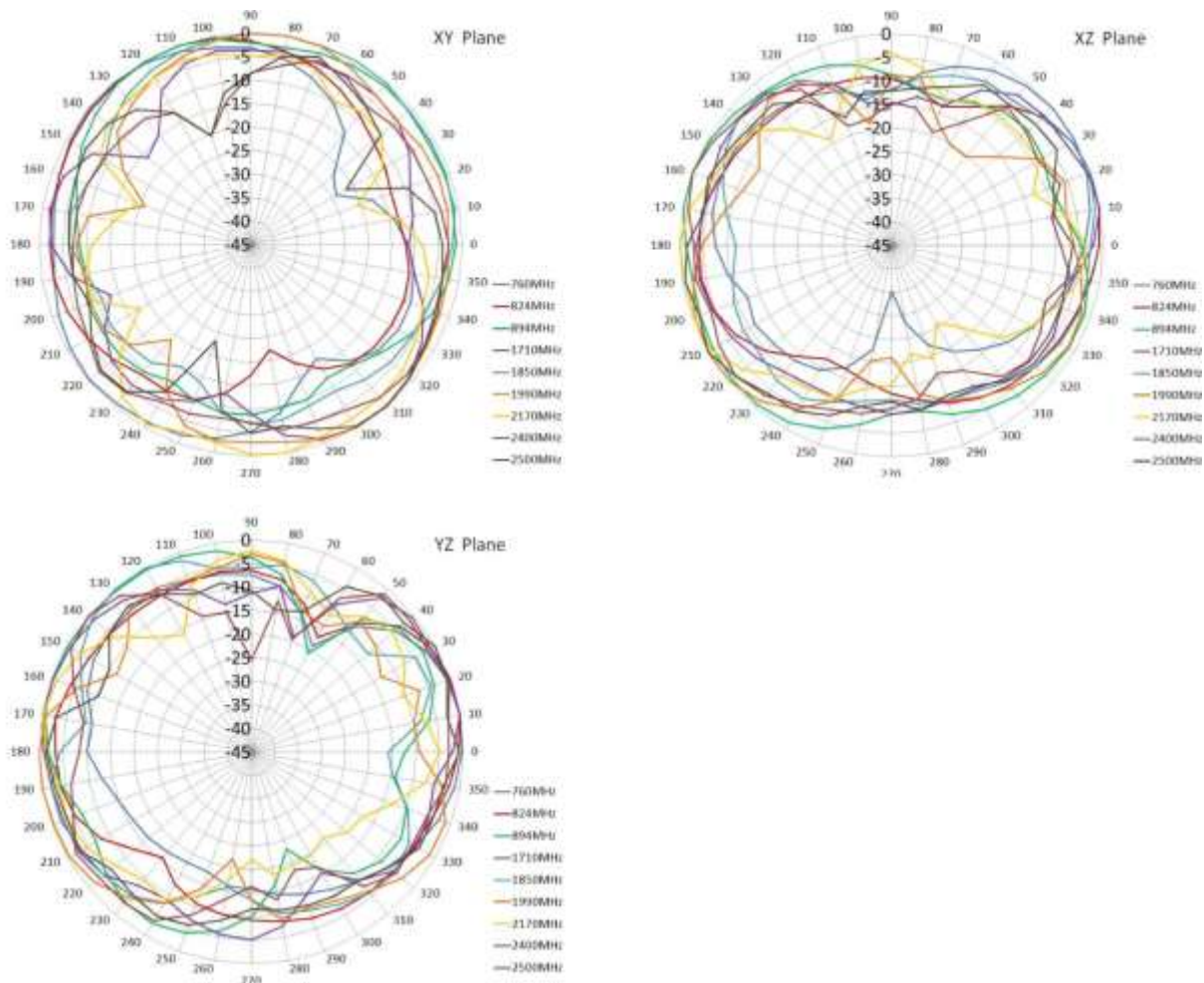


## Ordering Details

| Part Number | Description |
| --- | --- |
| ALPHA3A/3M/SMAM/S/S/26 | 2G / GPRS, 3G, ISM & WIFI BLADE ANTENNA |
| ALPHA3A/0.4M/FMEF/S/S/26 | 2G / GPRS, 3G, ISM & WIFI BLADE ANTENNA |
| ALPHA3A/0.2M/MMCXM/S/S/26 | QUAD BAND GSM/GPRS 2.1GHZ (3G) 2.4GHZ (WIFI) |