

Key Features

- 2.4GHz WiFi Antenna
- Miniature footprint – 35.5 x 39.9mm
- Adhesive Base
- 2dBi Gain



General Description

The Alpha 16 is a slim, WiFi dedicated antenna. Its miniature design with a footprint size of 35.5 x 39.9mm. This antenna will fit discreetly onto most surfaces, whether that is on a work top or side of a wireless modem, you will not be stuck for mounting positions. It is supplied with a 3M adhesive base, making this antenna perfect for quick and simple installations onto a number of different surface materials such as: metal, glass, wood and plastic. More so, the use of an adhesive base takes away the need to drill holes or apply adhesive substances - simply 'peel & press' the antenna into its desired position.

The Alpha 16 is tuned to operate within the 2.4 to 2.5GHz frequencies, making this antenna perfect for WiFi, Bluetooth and Zigbee applications. The Alpha 16 achieves a reputable peak gain of 2dBi, helping to improve the short range signal transmission/reception of your WiFi modems, Bluetooth gadgets or even your low power ZigBee sensor.

The Alpha 16 is supplied, as standard, with 1m of RG174 coaxial cable, terminated with a reverse polarity SMA male connector. Custom cable lengths and alternative connector types can be supplied for volume requirements.

Additional Considerations

- Help clear up WiFi 'dead spots'
- Miniature footprint size allows for internal / embedded integration
- Strong adhesive base for simple installation
- Omni directional radiation to ease installation
- RoHS Compliant

Rev 1.2

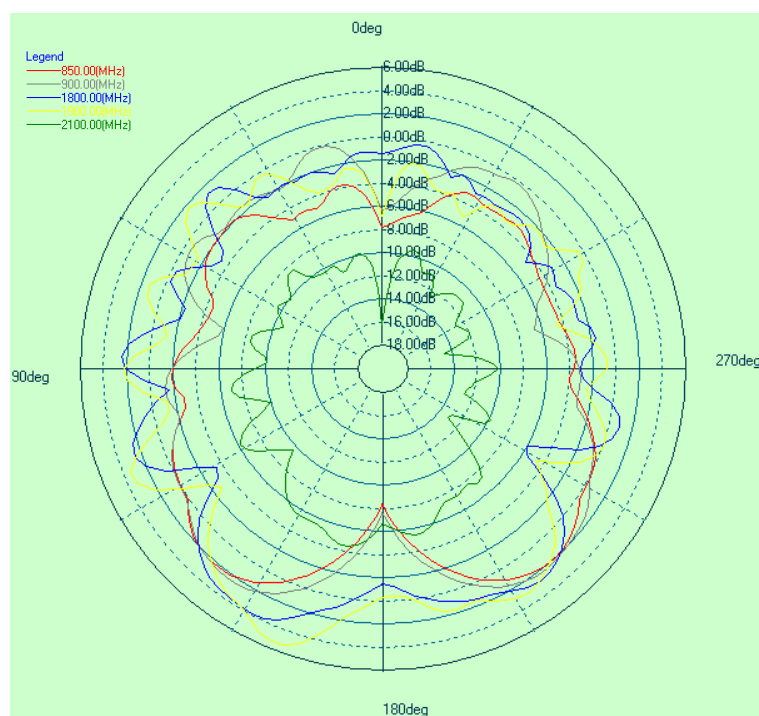
Key Specifications - Electrical

Operating temperature:	-40 to +60°C
Impedance:	50 ohm
Gain:	2dBi
V.S.W.R:	≤2.0
Frequency range:	2400 - 2483MHz
Bandwidth:	100MHz
Polarization type:	Linear

Key Specifications - Mechanical

Dimensions:	33.5 x 39.9 x 2mm
Cable:	RG174
Connector:	SMA
Mounting method:	Adhesive tape

Gain vs. Frequency Graph



UL Tested (Basingstoke, UK)
Part: ALPHA16/1M/SMAM/S/RP/17