



Key Features

- GSM, 3G & ISM compatible
- Extremely low profile of 3mm
- Small footprint of 33.5 x 39.9mm
- 2.7dBi peak gain
- ISM: 868 and 915MHz

General Description

The Alpha 14 is supplied with 3M adhesive base that provide a secure fix onto many different surfaces, such as; metallic, plastic, glass and wooden making the Alpha 14, and other antennas in Alpha range, very versatile.

The Alpha 14 is tuned to the quad band GSM, 3G and the 868MHz and 915MHz ISM frequencies, allowing for worldwide use. This antenna is one of the most covert antennas available in the Siretta range due to its 3mm height and incredibly small footprint size of 33.5 x 39.9mm, which means passers-by will not spot this antenna with ease.

Supplied with a 2.5 meter RG174 cable and an SMA male connector as standard. Siretta welcomes custom cable lengths and connectors with volume orders. Please send your customised enquiries to sales@siretta.co.uk.

Additional Considerations

- Low profile design makes it ideal for covert applications
- Intended for indoor use
- Quad band GSM & 3G compatible so is capable of worldwide use
- RoHS compliant

Rev 1.3

Key Specifications - Electrical

Impedance:	50 ohm
V.S.W.R:	<2.0
Frequency range:	824 ~ 960, 1710 ~ 2170MHz
Polarization:	Linear

Gain

ISM

868MHz:	2.0dBi
915MHz:	2.4dBi

GSM

850MHz:	2.22dBi
900MHz:	2.79dBi
1800MHz:	2.69dBi
1900MHz:	1.34dBi

3G

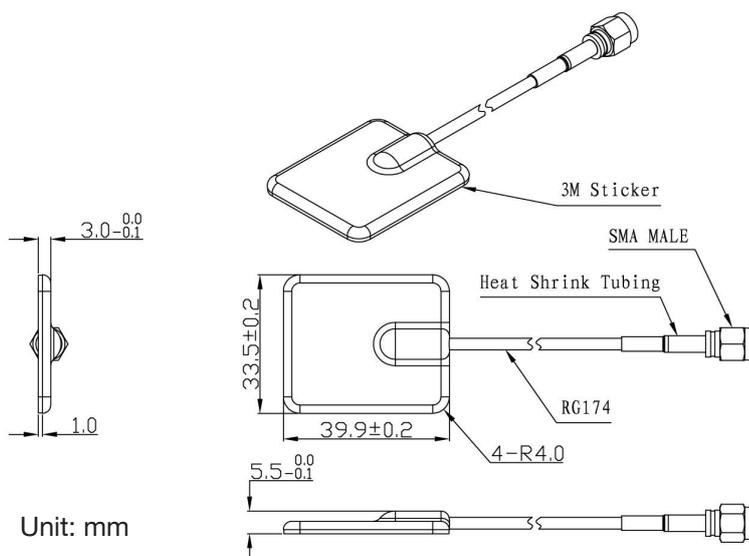
2100MHz:	0.51dBi
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Key Specifications - Environmental

Operating temperature:	-40 to +85°C
Vibration:	10 to 55Hz with 1.5mm amplitude 2hours
Relative humidity:	Up to 95%
Environmentally friendly:	RoHS Compliant

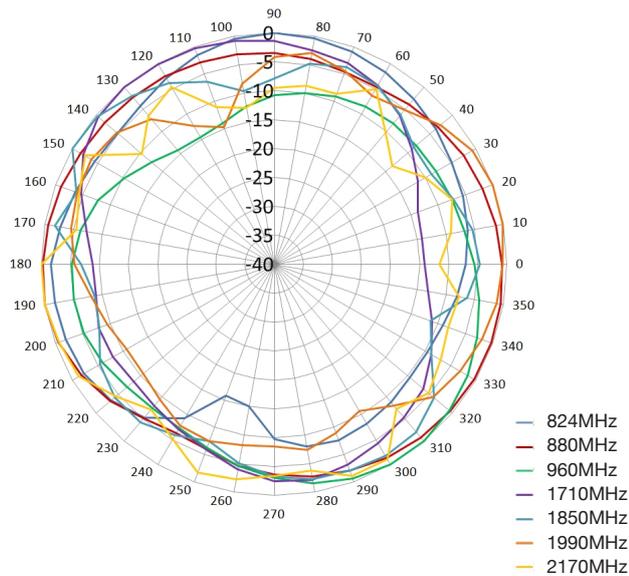
Key Specifications - Mechanical

Dimensions:	33.5 x 39.9 x 0.4mm (see drawing below)
Cable:	RG174
Connector:	SMA or others
Mounting method:	Adhesive
Radome material:	ABS

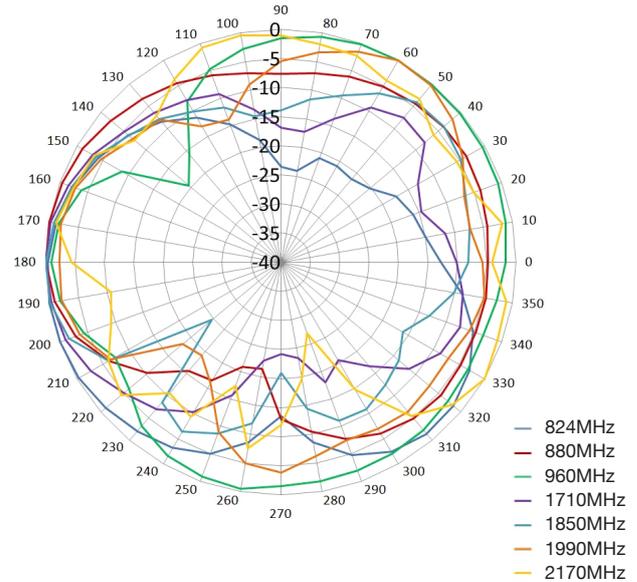


Radiation Patterns

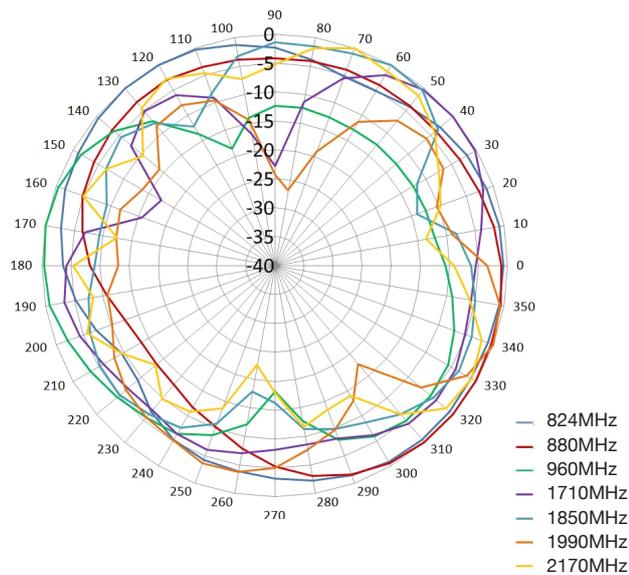
XY Plane



XY Plane

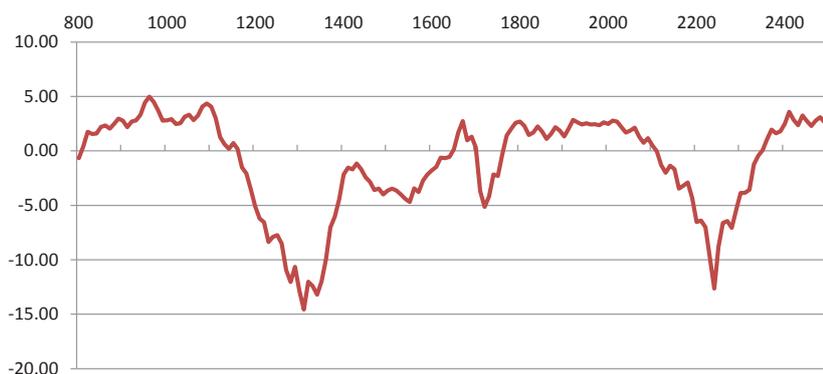


YZ Plane



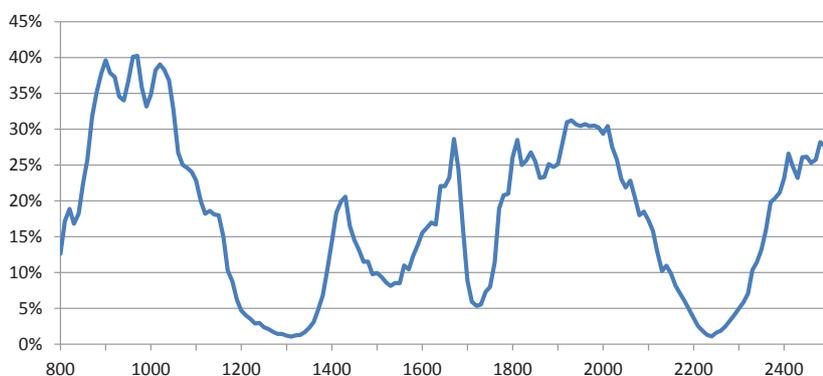
Test Reports

Peak Gain (dBi)



UL Tested (Basingstoke, UK)
Part: ALPHA14/2.5M/SMAM/S/S/26
Ref No: 10339609JD01
Date: 28/05/2014

Efficiency %



UL Tested (Basingstoke, UK)
Part: ALPHA14/2.5M/SMAM/S/S/26
Ref No: 10339609JD01
Date: 28/05/2014

Ordering Details

Part Number	Description
ALPHA14/2.5M/SMAM/S/S/26	Quad Band GSM and 3G Antenna, 2.5m Cable, SMA Male Connector