

Key Features

- Flexible connector and cable options
- Groundplane independent
- Wide frequency range
- Compact size
- RoHS compliant

General Description

Siretta multipurpose PCB antennas are based on an efficiently tuned element that is matched with a wide variety of RF & M2M modules operating on Cellular, 868 and 2.6GHz ISM band frequencies. It is designed for embedded applications.

We are proud to present our first 4G PCB antenna, the Echo 14, measuring just 20mm x 105mm, The Echo 14 represents the latest technology, and is designed now to cover all frequencies from 800Mhz, to 2.6Ghz (4G)

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 a small size combined with efficient performance is critical. Its wide ranging connector and cable options also makes it a viable antenna where a quick design in and fast time to market is important.

Additional Considerations

- Allows easy selection and quick integration into target application
- Can be mounted on any surface
- Works with quad band GSM / GPRS devices, 3G and 4G modules
- 20 x 105mm allows easy integration into small devices
- Meets all EU compliance criteria for electronic goods

Rev 1.2

Key Specifications - Electrical

Operating temperature range:	-20 to +60°C
Storage temperature range:	-30 to +70°C
Impedance:	50 ohm
VSWR:	3.2:1
Frequency:	800/900/1800/1900/ 2100MHz/ 2.6GHz
Polarization:	Vertical

Key Specifications - Mechanical

Dimensions:	20mm x 105mm x 1mm
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Gain

GSM

850MHz:	1.44dBi
900MHz:	0.72dBi
1800MHz:	1.73dBi
1900MHz:	2.79dBi

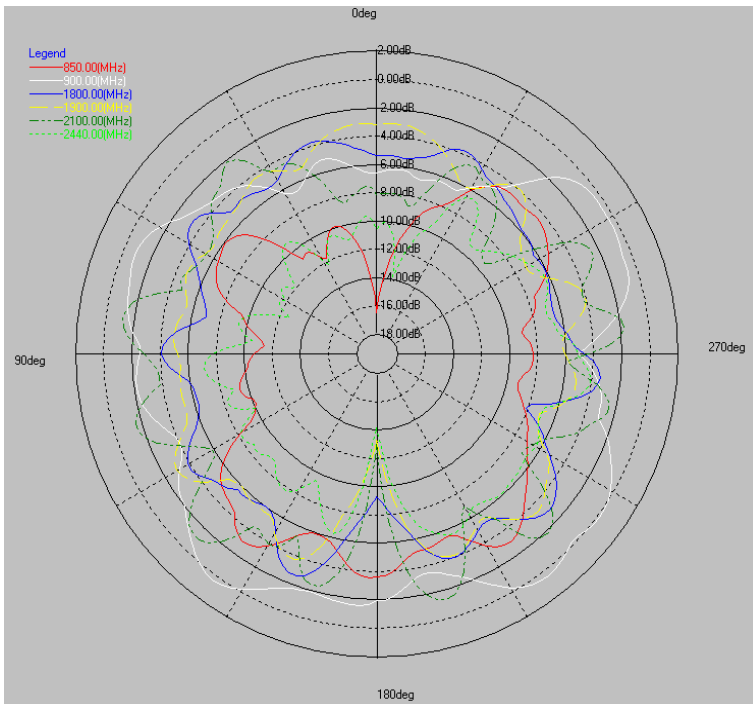
3G

2100MHz:	2.84dBi
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4G

2600MHz	2.44dBi
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Gain vs. Frequency Graph



UL Tested (Basingstoke, UK)
Part: ECHO14/200M/UFL/S/S/15

Ordering Details:

Part Number	Description
ECHO14/200M/UFL/S/S/15	4G PCB Antenna, 200mm Cable, UFL Connector