



Key Features

- Compact size
- 2.4 - 2.5GHz operation

General Description

The Siretta 2.4GHz PCB antenna is based on an efficiently tuned PCB element that is matched and embedded to work with a wide variety of RF modules operating on the 2.4GHz ISM band frequency.

Popular in Bluetooth, Zigbee and WLAN embedded applications, the antenna allows users a longer working range than a standard on board chip antenna which is offered on many modules. Connected via an IpeX (UFL compatible) connector and 100mm cable the antenna PCB measures just 45 x 10mm ensuring a compact design which can be discreetly fitted in many of today's products where space is at a premium.

Key Specifications - Electrical

| | |
|------------------------------|---------------|
| Operating temperature range: | -20 to +65°C |
| Impedance: | 50 ohm |
| Gain: | 2.6dBi |
| VSWR: | <1.6:1 |
| Voltage and supply current: | Passive |
| Operating frequency: | 2.4 - 2.5GHz |
| Polarization: | Vertical |
| Radiating element and wave: | ¼ wave dipole |

Key Specifications - Mechanical

| | |
|-------------|-----------------------------------|
| Dimensions: | 45mm x 10mm x 1mm (without cable) |
| Cable: | 100mm x 1.13mm coax |
| Connector: | IpeX (UFL compatible) |

Ordering Details:

| Part Number | Description |
|-------------------------|--|
| ECHO11/0.1M/IPEX/S/S/12 | WiFi PCB Antenna, 100mm Cable, UFL Connector |

Rev 1.1

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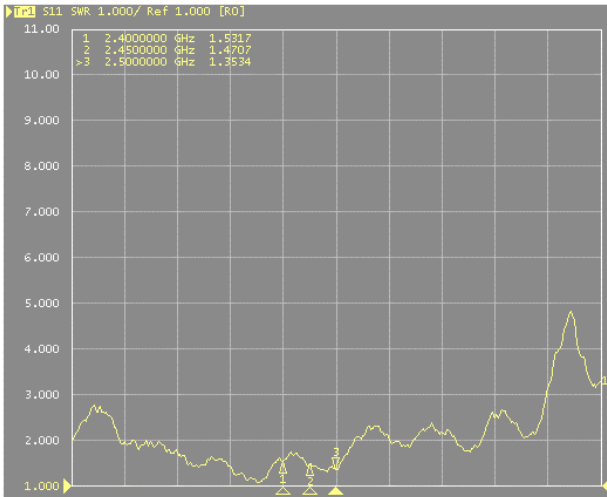
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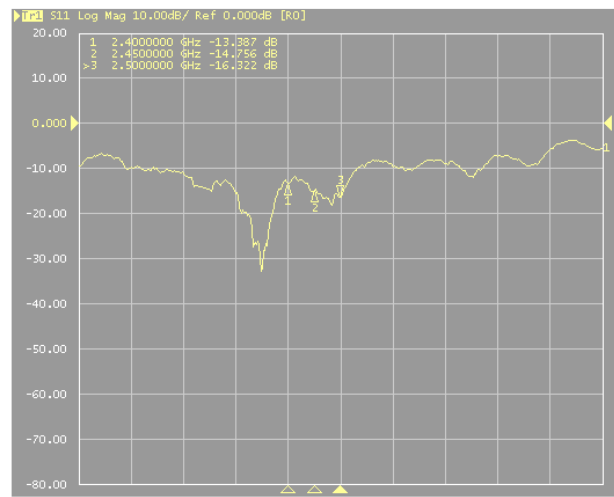
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Test Reports

VSWR

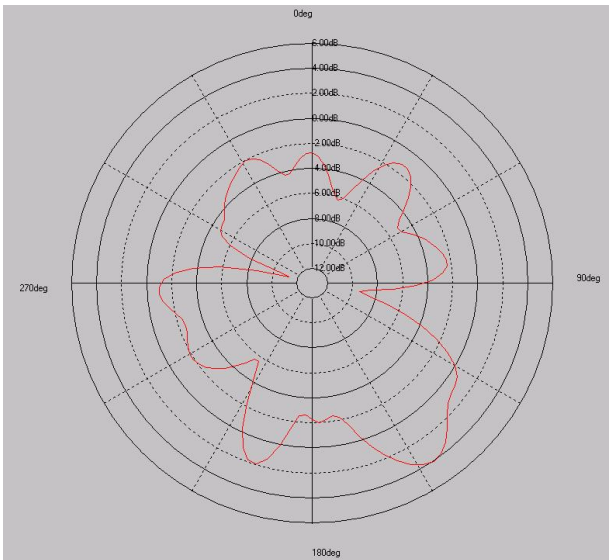


Return Loss



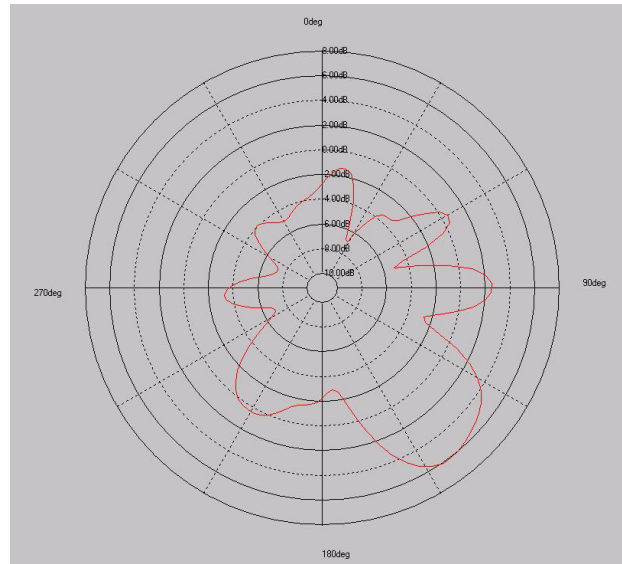
Radiation Pattern

Horizontal



| | | |
|-----------------------|---------|-----------|
| Horizontal frequency: | 2450MHz | |
| Max gain: | 4.17dB | 143.19deg |
| Min gain: | -11.52 | 293.14deg |

Vertical



| | | |
|---------------------|---------|-----------|
| Vertical frequency: | 2450MHz | |
| Max gain: | 6.16dB | 142.19deg |
| Min gain: | -7.64dB | 295.14deg |

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