



## 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

Siretta is a division of Sequoia Technology Group Ltd

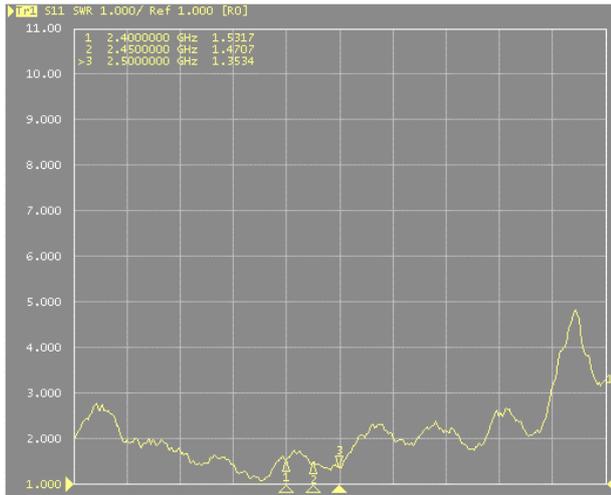
Registered in England No. 4004881  
VAT Registration No. GB614 5653 45

Siretta  
Basingstoke Road  
Spencers Wood  
Reading  
Berkshire RG7 1PW

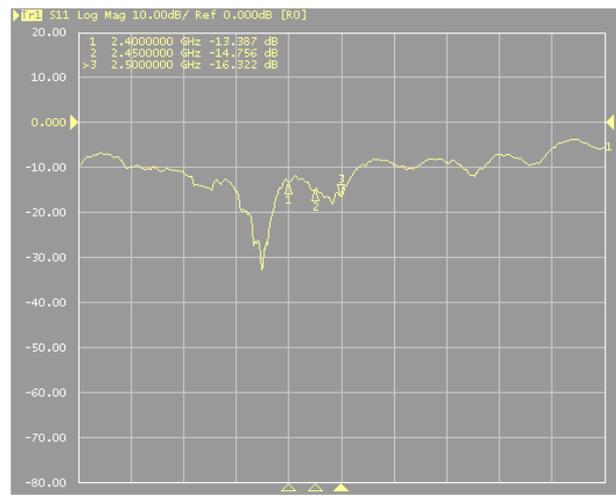
sales +44(0)118 976 9014  
fax +44(0)118 976 9020  
email info@siretta.co.uk  
web www.siretta.co.uk

## Test Reports

### VSWR

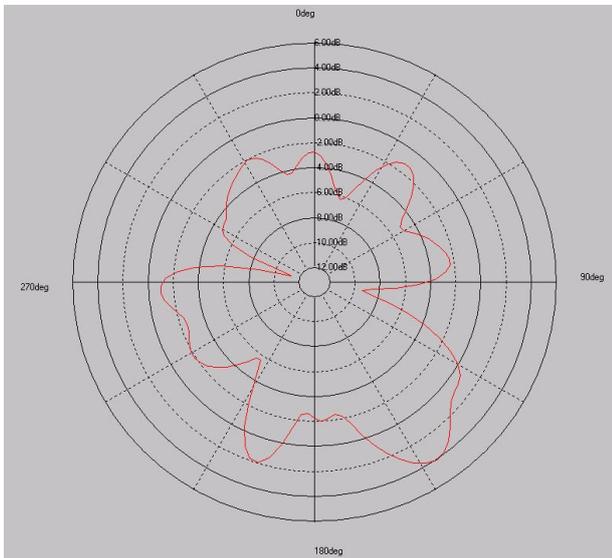


### Return Loss



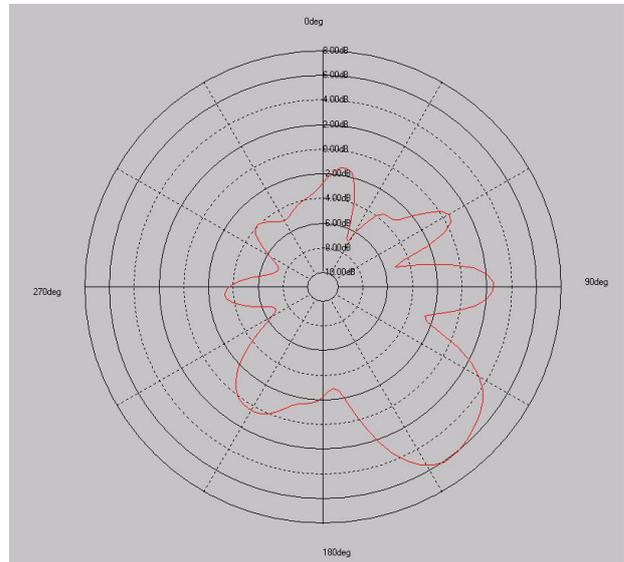
### Radiation Pattern

#### 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