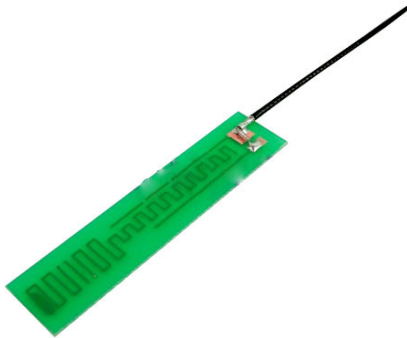


Key Features

- Compact size
- 2.4 - 2.5GHz operation
- Price competitive
- 45mm x 10mm PCB



General Description

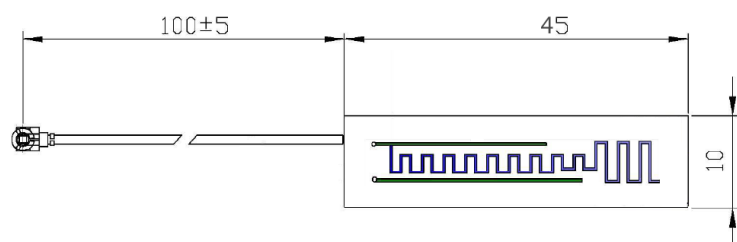
The Echo 17 2.4GHz PCB antenna is specifically aimed at the volume embedded WiFi, Bluetooth or ZigBee market.

The Echo 17 doesn't come with an adhesive pad but is easily glued in place with hot melt.

The Echo 17 is a competent performer in our tests and is well built and at a competitive price for volumes customers.

Additional Considerations

- 45mm x 10mm allows easy integration into small devices
- Specifically tuned to provide optimal performance for 2.4 - 2.5GHz frequency band



Rev 1.2

Key Specifications - Electrical

Operating temperature range:	-20 to +60°C
Impedance:	50 ohm
Gain:	2.6dBi
VSWR:	2.0:1
Voltage and supply current:	Passive
Operating frequency:	2.4 - 2.5GHz
Polarization:	Vertical
Radiating element and wave:	¼ wave dipole

Gain

WiFi

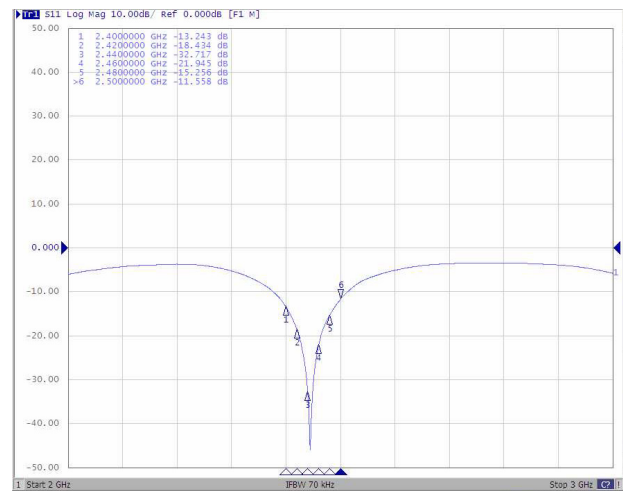
2400MHz	4.55dBi
2500MHz	3.31dBi

Key Specifications - Mechanical

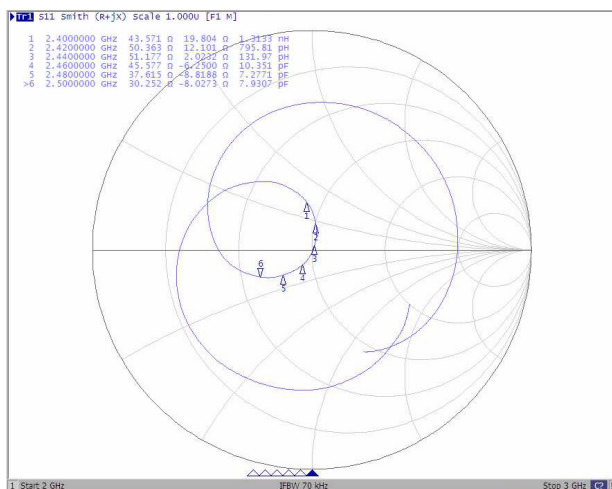
Dimensions:	45mm x 10mm (without cable)
Cable:	100mm x 1.13mm coax
Connector:	IpeX (UFL compatible)

Test Reports

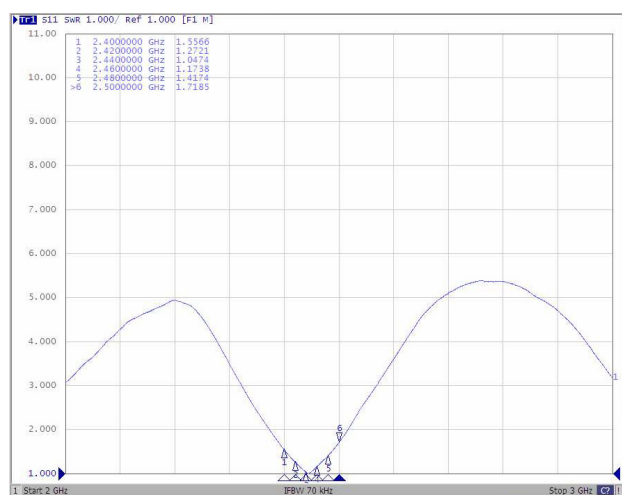
Return Loss



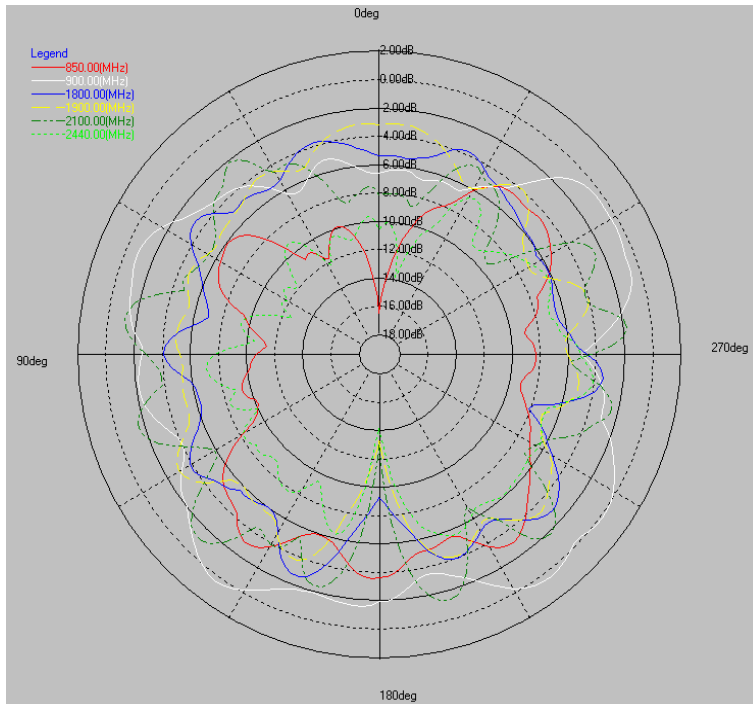
Return Loss



VSWR



Gain vs. Frequency Graph



UL Tested (Basingstoke, UK)
Part: ECHO17/0.1M/IPEX/S/S/15

Ordering Details

Part Number	Description
ECHO17/0.1M/IPEX/S/S/15	2.4GHz PCB Antenna, 100mm Cable, IPEX Connector