



## Echo 28

Flexible Printed Circuit Board WiFi 2.4GHz Antenna



### Key Features

- Flexible radiating element
- WiFi, Bluetooth & ZigBee compatible
- 2.4 to 2.5GHz operating frequency
- Designed for embedded integration

### General Description

The Echo 28 is a WiFi / WLAN dedicated Flexible Printed Circuit Board (FPC) antenna tuned to the 2.4 to 2.5GHz band supporting: WiFi, Bluetooth, Zigbee and ISM based applications.

The FPC design means the Echo 28 is capable of bending around objects. Providing a unique way of integrating the antenna compared to a rigid PCB design.

Alternative cable lengths and connector types to the standard product can be specified for volume orders.

### Additional Considerations

- Allows for wrapping or bending around objects
- Adhesive backing provides the option to fix the antenna into position
- Meets all EU compliance criteria for electronic goods





## Echo 28

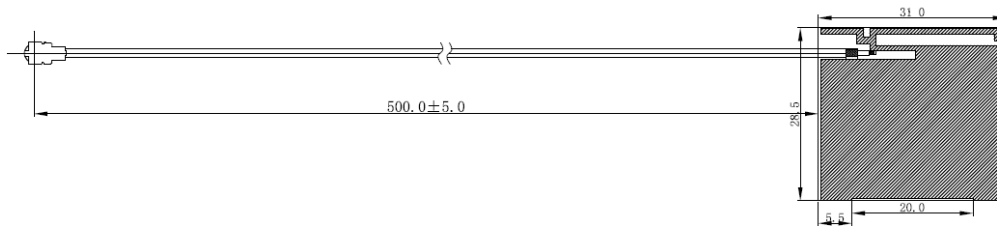
Flexible Printed Circuit Board WiFi 2.4GHz Antenna

### Electrical Specifications

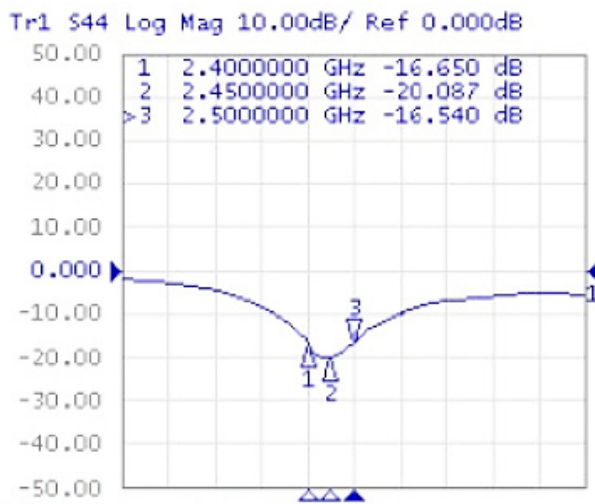
Operating temperature:	-10 - +60°C
Storage Temperature:	-10 - +70°C
Frequency Range:	2.4GHz - 2.5GHz
Impedance:	50 Ohm
Peak Gain:	2.0dBi (excluding cable loss)
VSWR:	1.92:1 max
Radiation:	Omni-directional
Polarization:	Vertical

### Mechanical Specifications

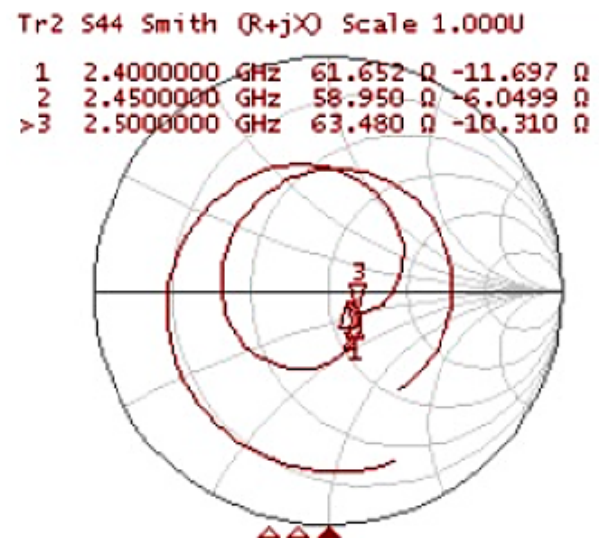
Dimensions:	L31 x W28.5 x H0.1mm
Cable:	1.13mm Ø
Connector:	IPEX
Mounting Method:	Embedded



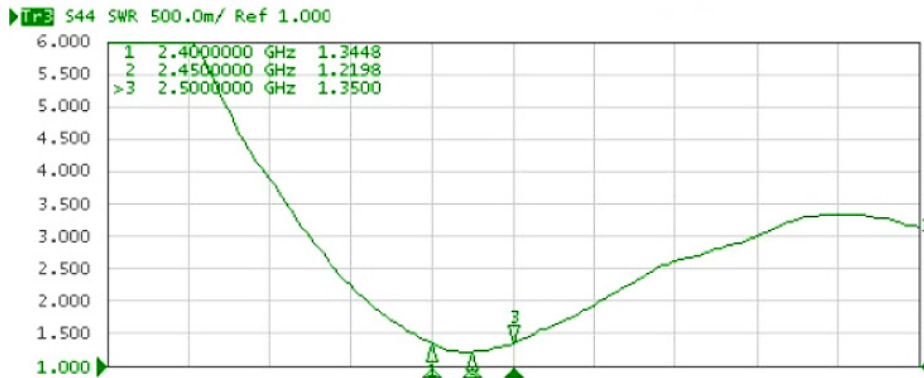
### Return Loss



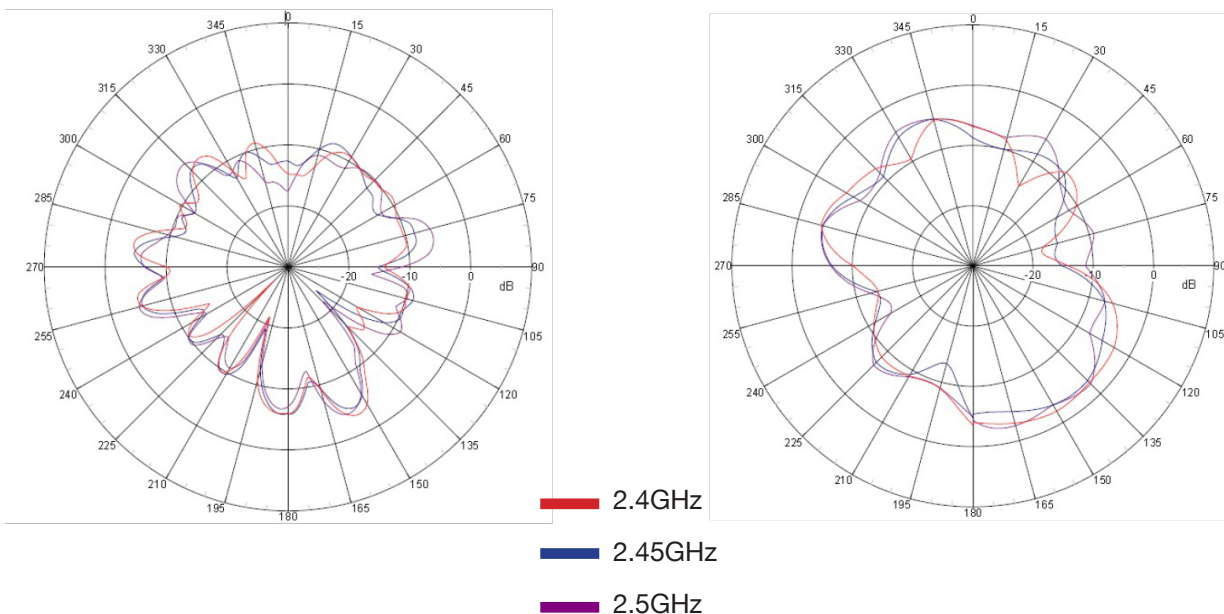
### Impedance



### VSWR



### Radiation Patterns



### Ordering Details:

Part number	Description
ECHO28/0.5M/IPEX/S/S/30	Flexible Printed Circuit Board WiFi 2.4GHz Antenna