

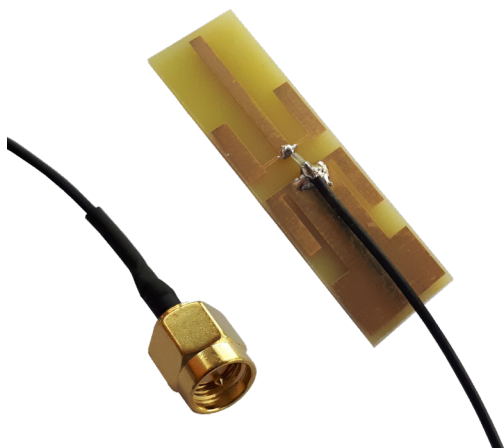


Echo 31

Dual Band WiFi / WLAN PCB Antenna

Key Features

- Dual Band WiFi / WLAN - 2.4GHz / 5GHz
- Bluetooth / ZigBee
- Embedded Solution



General Description

The Echo 31 is a Dual Band WiFi / WLAN dedicated PCB antenna. This multiband antenna comes into its own when a congested 2.4Ghz network is a limitation and the device can utilise the 5GHz alternative band. The Echo 31 antenna can be used with WiFi, Bluetooth, Zigbee and ISM based applications.

With a small footprint size of 50 x 15mm, the Echo 31 is perfect for those applications where internal space for components is limited or when using an external antenna is simply not appropriate.

A common application for the Echo 31 is customer self service kiosks.

Additional Considerations

- 50mm x 15mm allows easy integration into devices
- Uses the less congested 5GHz band
- Excellent gain of 2 - 3dBi for size

E Embedded	WLAN 2400	WLAN 5800	WLAN 2400
BLE Bluetooth	ZB Zigbee	WiFi 4 802.11n	WiFi 5 802.11ac
WiFi 6 802.11ax			



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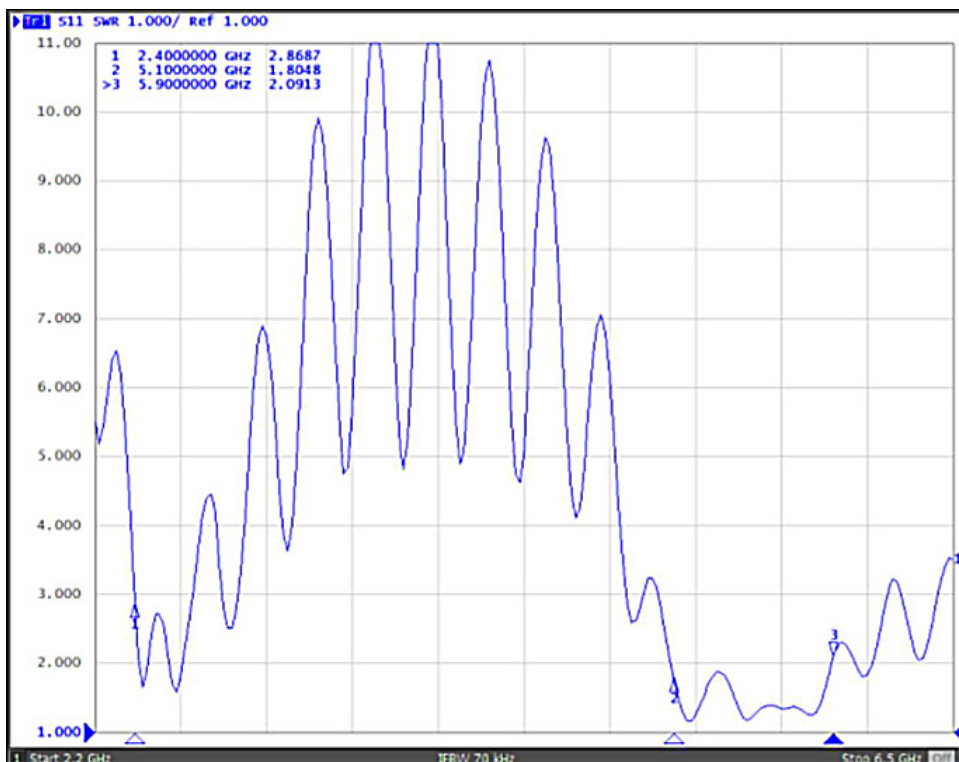
Electrical Specifications

Operating Frequency:	2.4 and 5.58GHz
Max Input Power:	50W
Impedance:	50 Ohm
Peak Gain:	3.0dBi @ 5.25GHz
VSWR:	<2.8:1
Polarization:	Vertical

Mechanical Specifications

Dimensions:	L50 x W15 x H0.8mm (without cable)
Cable Length:	1.37mm 6 GHz Coax
Connector:	SMA Male Reverse Polarity
Operating Temperature:	-20 - +70°C
Storage Temperature:	-35 - +75°C

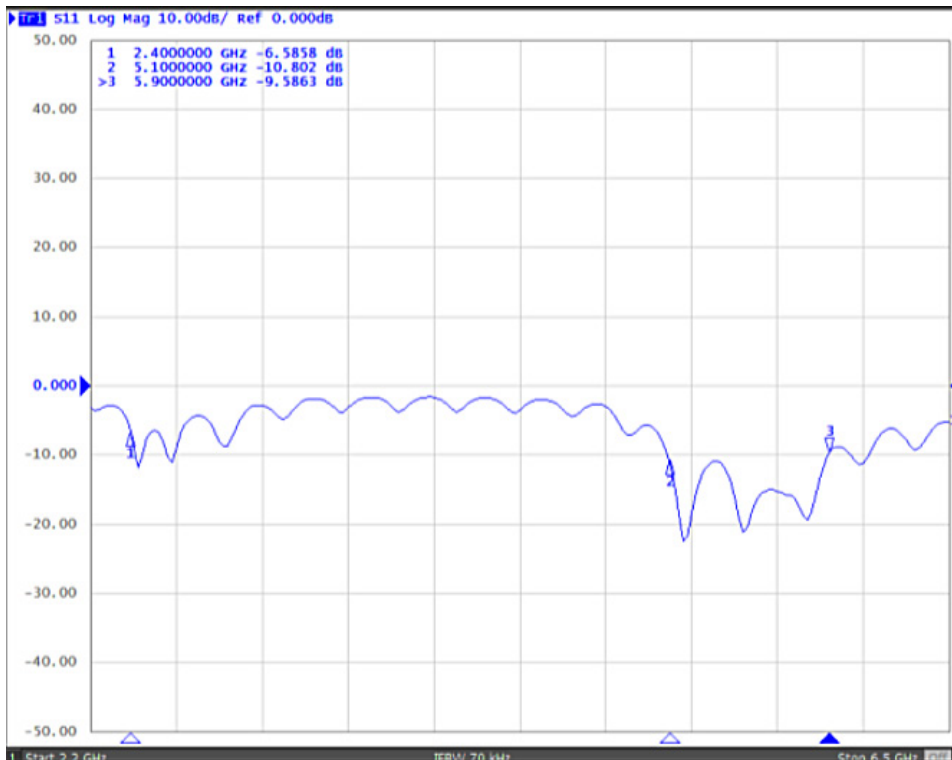
VSWR



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Return Loss



Ordering Details

Part Number	Description
ECHO31/0.5M/SMAM/S/S/17	Dual Band WiFi / WLAN PCB Antenna 500mm SMA Male
ECHO31/0.5M/SMAM/RP/S/17	Dual Band WiFi / WLAN PCB Antenna 500mm SMA Male Reverse Polarity

Mouser Electronics

Authorized Distributor

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