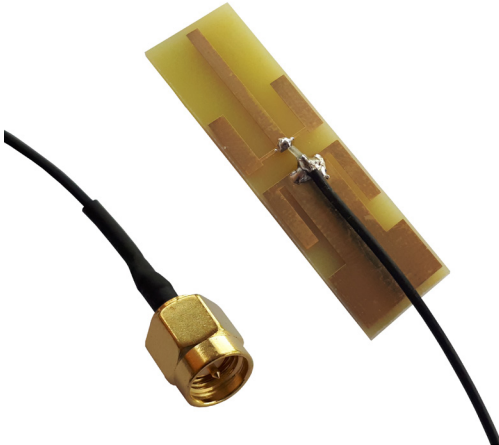


## Echo 31

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. Common applications for the Echo 31 include: waterproof / water tight designs, customer self service kiosks, and low power Zigbee.

### Additional Considerations

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

## Echo 31

Dual Band WiFi / WLAN PCB Antenna

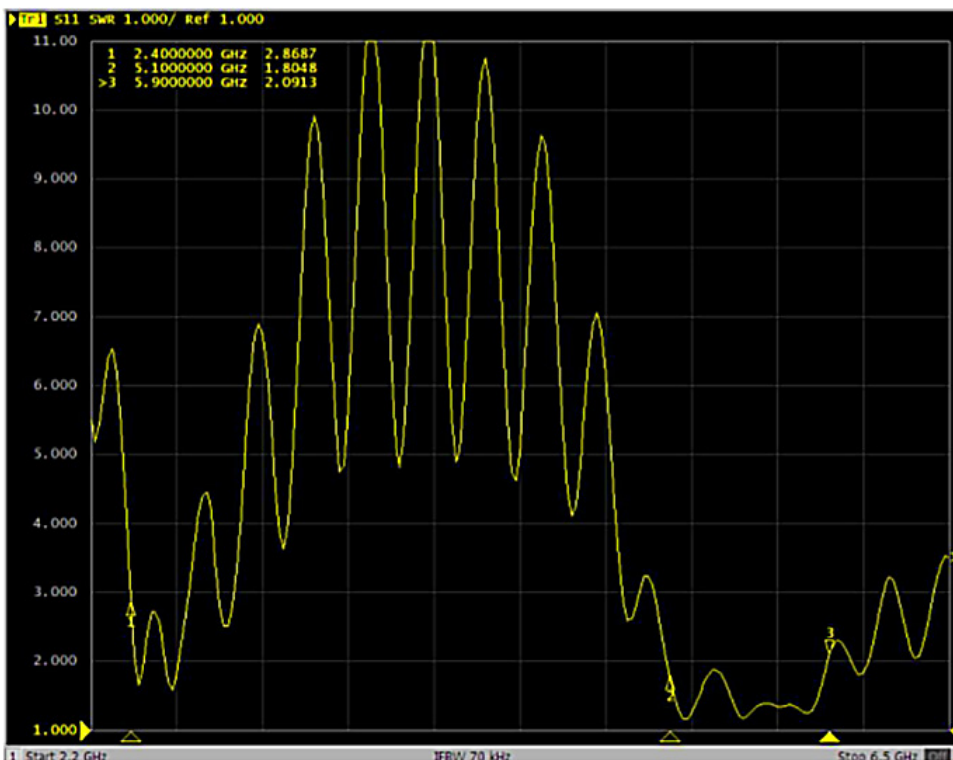
### Electrical Specifications

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

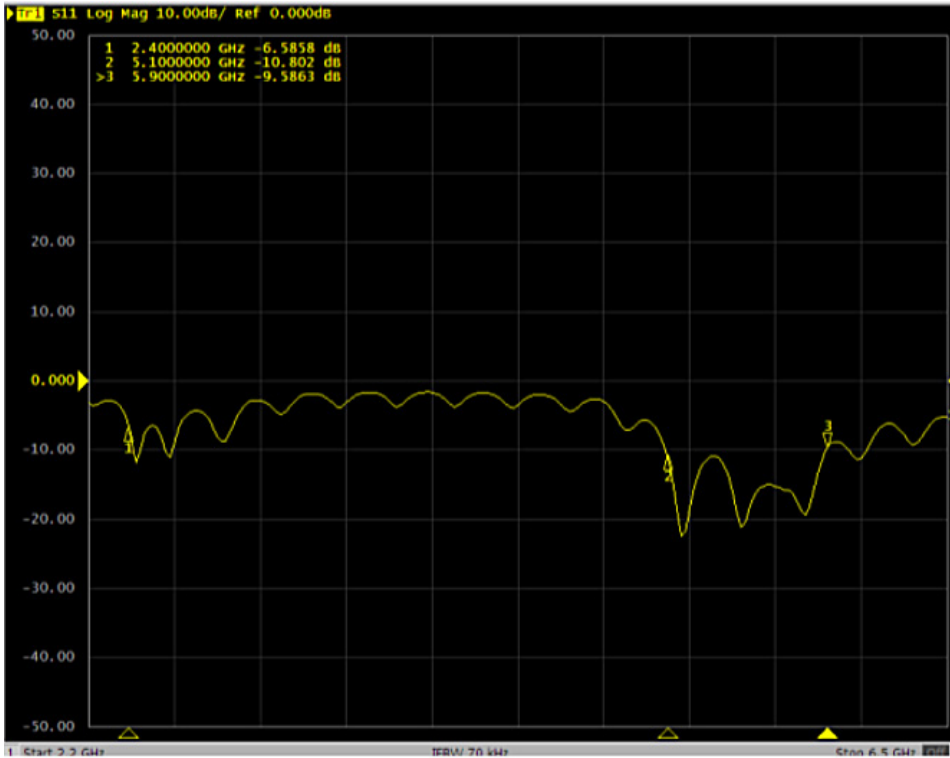
### VSWR



## Echo 31

Dual Band WiFi / WLAN PCB Antenna

### 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