



## Delta 20

2.4Ghz 28.5mm stubby WiFi / Bluetooth Antenna



### Key Features

- 1/4 wave monopole
- Groundplane independent
- WiFi, Bluetooth and ZigBee compatible

### General Description

The Delta 20 is a compact, direct connect 2.4GHz stubby antenna commonly used with WiFi, Bluetooth and Zigbee applications.

The antenna can be used with IoT industrial modems and routers as well as WiFi modems such as TP-Link and NetGear that operate on the 2.4GHz frequency.

This antenna is available with the SMA male and the reverse polarity SMA male connectors.

### Additional Considerations

- Does not rely on mounting on metallic surface
- Omnidirectional radiation
- Meets all EU compliance criteria for electronic goods





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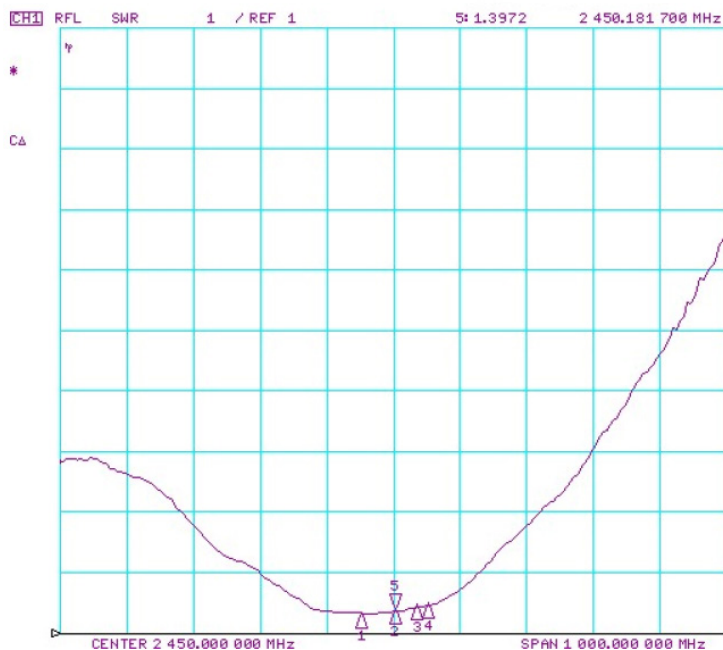
### Electrical Specifications

Impedance:	50 Ohm
Gain:	0dBi
VSWR:	<1.5
Frequency:	2.4GHz - 2.5GHz
Electric Wave:	1/4 monopole antenna

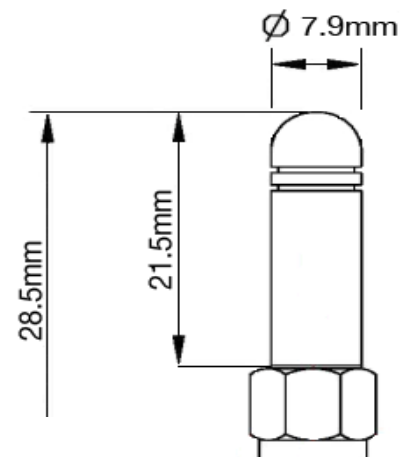
### Mechanical Specifications

Dimensions:	L28.5 x W7.9mm Ø
Connector:	SMA Male
Mounting Method:	Direct Connect
Operating Temperature:	-35 + 80 °C
Storage Temperature:	-40 + 85 °C

### VSWR



CH1 Markers  
 1: 1.3142  
 2.40000 GHz  
 2: 1.3969  
 2.45000 GHz  
 3: 1.4538  
 2.48300 GHz  
 4: 1.4727  
 2.50000 GHz

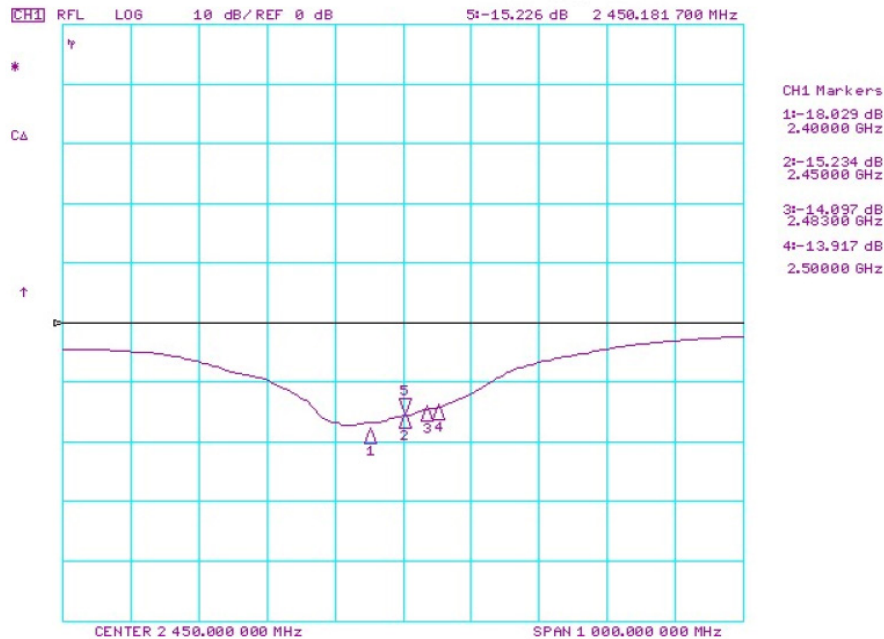




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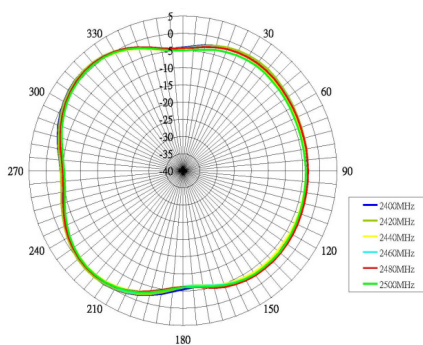
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### Return Loss

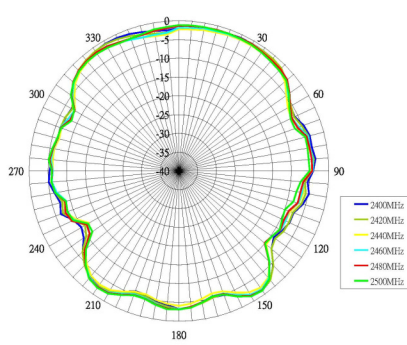


### Radiation Patterns

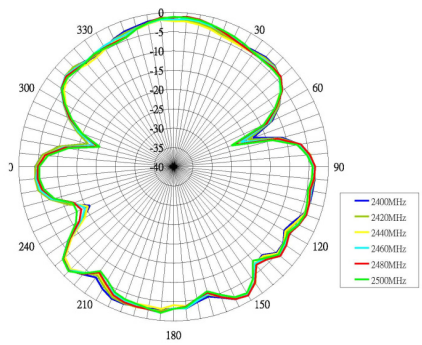
#### XY Plane



#### XZ Plane



#### YZ Plane



### Ordering Details

Part Number

Description

DELTA20/X/SMAM/RP/S/35

2.4Ghz 28.5mm stubby WiFi / Bluetooth Antenna with SMA Male Reverse Polarity