



## Delta 7B

GSM/GPRS Hinged Antenna

### Key Features

- Hinged mount
- Quad band GSM/GPRS frequencies
- Omni-directional



### General Description

The Delta 7B is a quad band GSM/GPRS  $\frac{1}{4}$  wave, omni-directional antenna with a peak gain of 2dBi. The hinged joint allows flexibility with positioning through 0, 45 & 90 degrees along with rotational alignment.

Common IoT applications include: car park / utilities metering, wireless key entry, security systems, remote monitoring and many other GSM / GPRS based applications.

The Delta 7B is supplied, as standard, with an SMA male connector.

### Additional Considerations

- Flexible positioning allows for signal optimisation
- Meets all EU compliance criteria for electronic goods



## Delta 7B

GSM/GPRS Hinged Antenna

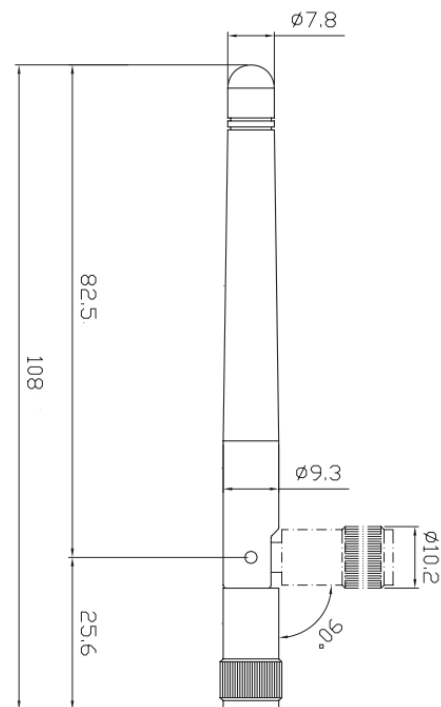
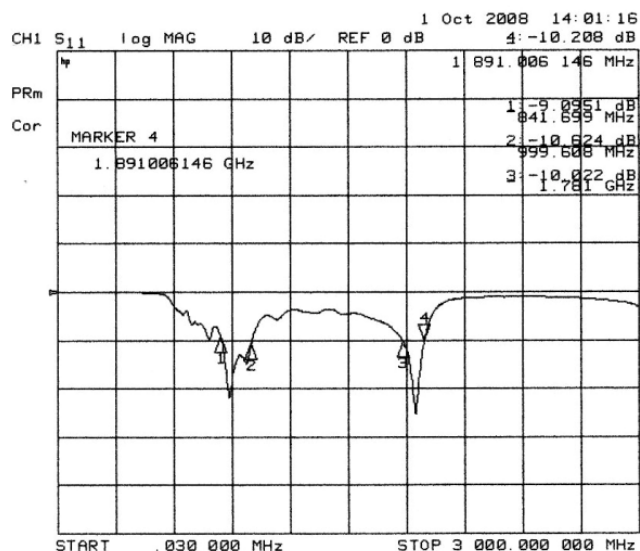
### Electrical Specifications

Operating Temperature range:	-20 - 65 °C
Storage Temperature range:	-20 - 75 °C
Impedance:	50 Ohm
Radiating Element:	¼ wave omni-directional dipole
VSWR:	<2.0:1
Operating Frequencies:	850, 900, 1800, 1900MHz
Polarization:	Vertical
Radiating Element:	¼ wave omni directional dipole

### Mechanical Specifications

Dimensions:	110 x 10.2mm Ø
Connector:	SMA Male
Cable:	RG178
Mounting Method:	Direct Connect

### Return Loss



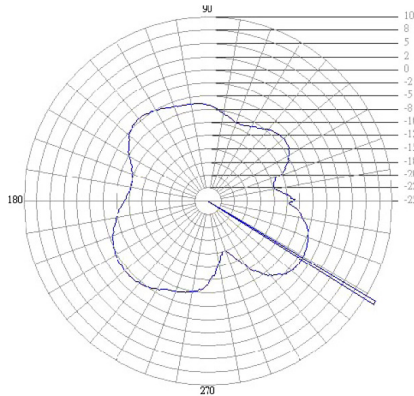


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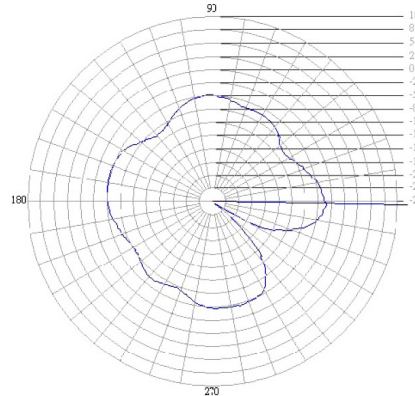
GSM/GPRS Hinged Antenna

### Radiation Plots

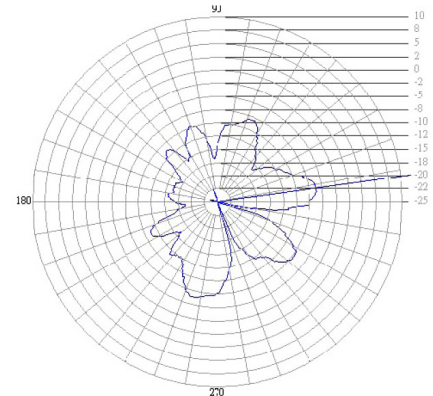
862 MHz



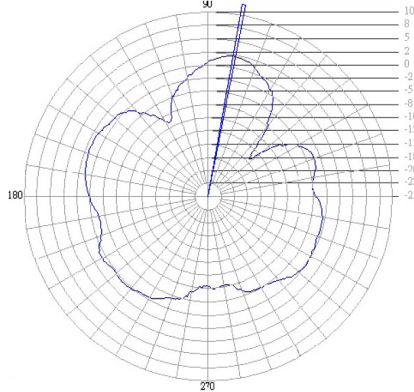
925 MHz



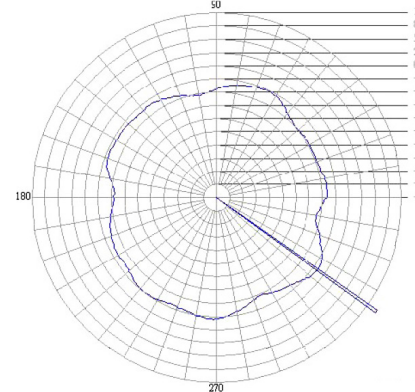
1795 MHz



1897 MHz



1920 MHz



### Ordering Details

Part Number

Description

DELTA7B/x/SMAM/S/S/11

GSM/GPRS Hinged Antenna with SMA Male Connector

# Mouser Electronics

Authorized Distributor

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