

DATASHEET

Type
Frequencies

Multiband antenna
AMPS (824-894 MHz)
ISM (868 MHz)
GSM (900 MHz)
DCS (1800 MHz)
PCS (1900 MHz)
3G (UMTS 2.1 GHz)
WIFI / BLUETOOTH (2.4 GHz)

Mounting
Part No.
Revision

Magnetic Mount
PL310M
00



1. SPECIFICATION

1.1. Electrical Specifications

| | |
|-----------------------|---|
| Frequencies | AMPS (824-894 MHz) ISM (868 MHz) GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz) WIFI / BLUETOOTH (2.4 GHz) |
| Impedance | 50 Ohms |
| Polarization | VERTICAL |
| Gain | 5dBi at 2.4GHz |
| Power handling | 30W |
| Operating temperature | -40°C to +85°C |

1.2. Connection Specifications

Connector type: SMA male

Cable: RG174U

Cable length: 250 cm

For different cable length and connector type ask our sales team.

1.3. Mechanical Specifications and Dimensions

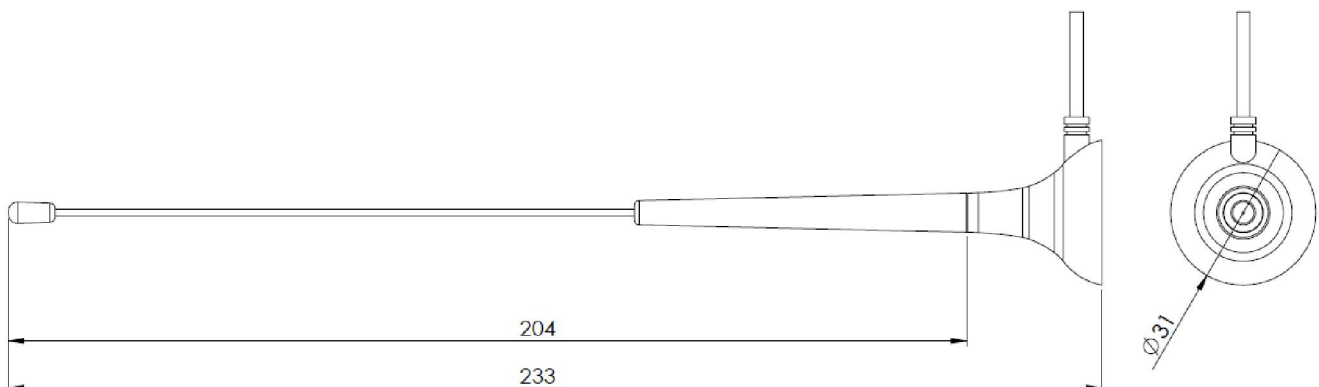
1.3.1. Magnetic Mount

Material: ABS

Max. dimensions: 31mm x 233mm (D x H)

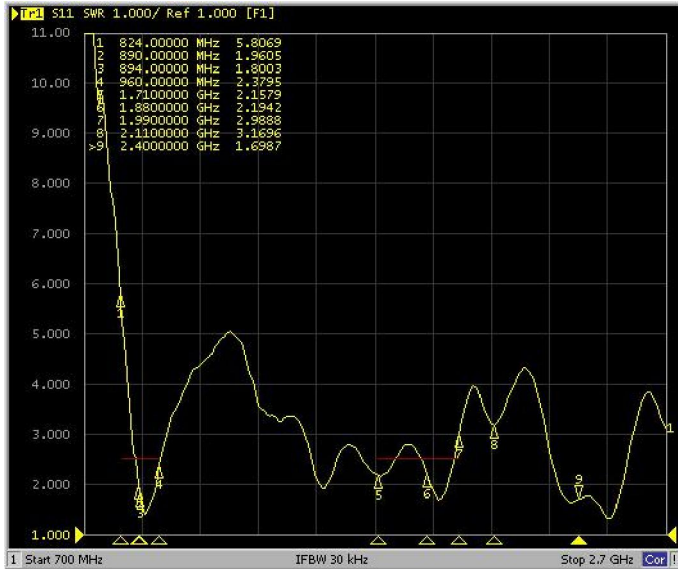
Weight: 65g 'weight with connection above'

Colour: Black (for different colours please ask our sales team)



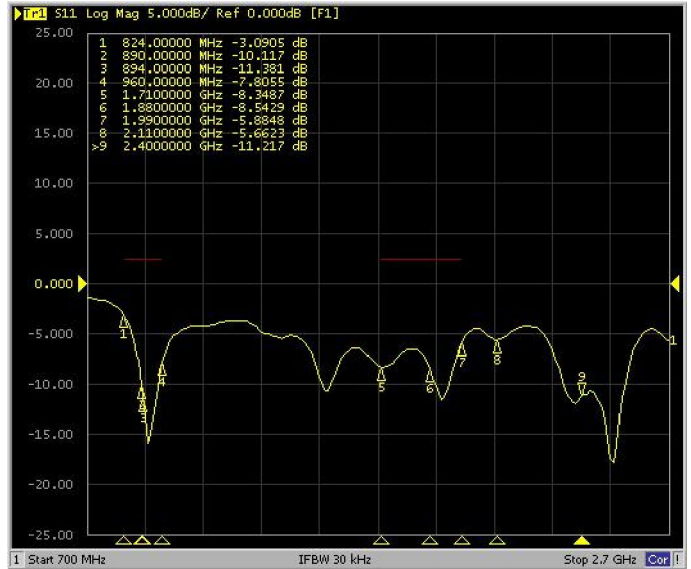
2. MEASUREMENT

VSWR(Quad Band)



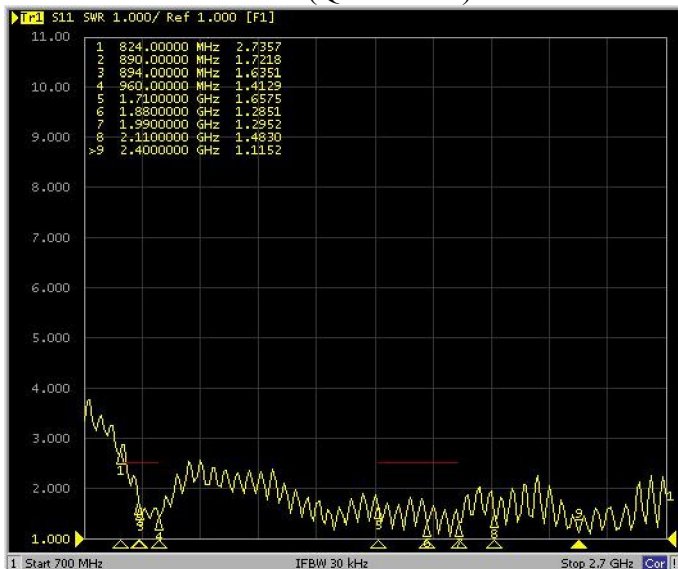
Tested with 30cm cable length - RG174 with SMA male

Log Mag(Quad Band)



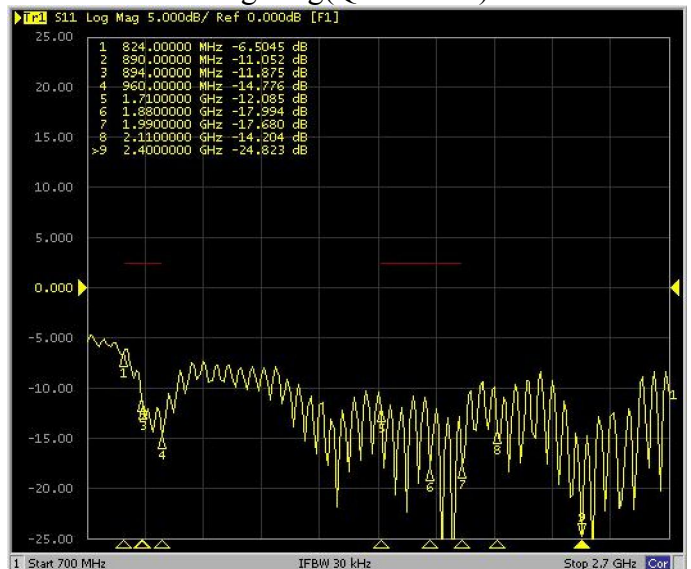
Tested with 30cm cable length - RG174 with SMA male

VSWR(Quad Band)



Tested with 2.5m cable length - RG174 with SMA male

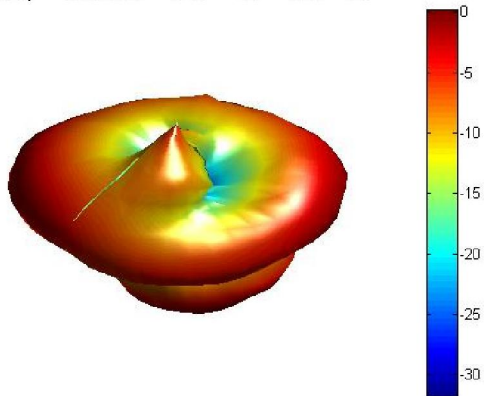
Log Mag(Quad Band)



Tested with 2.5m cable length - RG174 with SMA male

3D radiation pattern at 900MHz.jpg

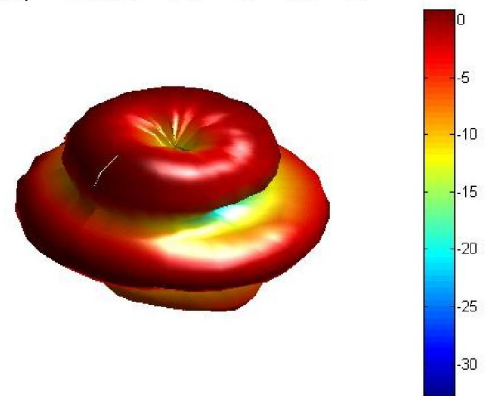
Freq = 0.9GHz Az= 45 EL= 45



Tested with 30cm cable length.

3D radiation pattern at 1.8GHz.jpg

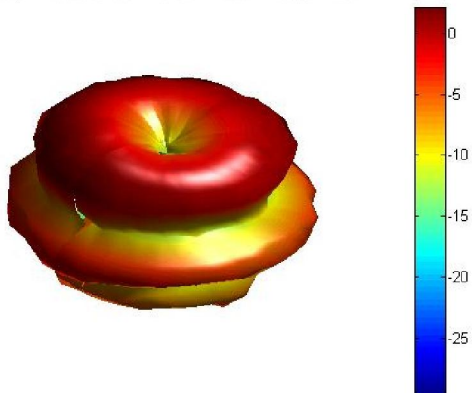
Freq = 1.8GHz Az= 45 EL= 45



Tested with 30cm cable length.

3D radiation pattern at 1.9GHz.jpg

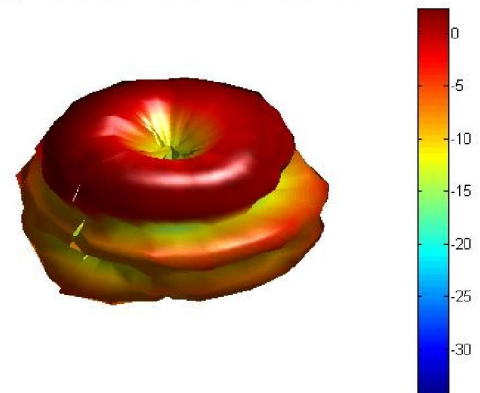
Freq = 1.9GHz Az= 45 EL= 45



Tested with 30cm cable length.

3D radiation pattern at 2.4GHz.jpg

Freq = 2.4GHz Az= 45 EL= 45



Tested with 30cm cable length.

3. IMAGES

