

PL301M

(DATASHEET)

Type
Frequencies

Multiband Antenna
AMPS (824-894 MHz)
GSM (900 MHz)
DCS (1800 MHz)
PCS (1900 MHz)
3G (UMTS 2.1 GHz)

Mounting
Revision

Magnetic Mount
00



P. Tipul

D. Noble

1. SPECIFICATION

1.1. *Electrical Specifications*

Frequencies	AMPS (824-894 MHz) GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz)
Impedance	50 Ohms
Polarization	Linear
Gain	2.2dBi Max
VSWR	<3:1
Operating temperature	-40°C to +85°C

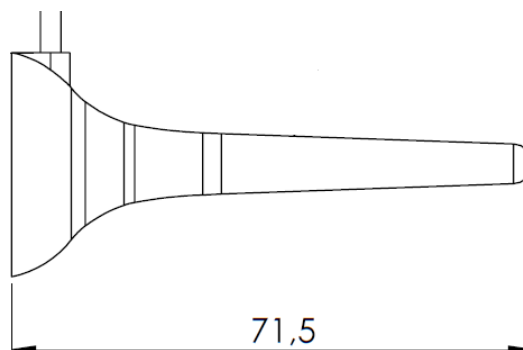
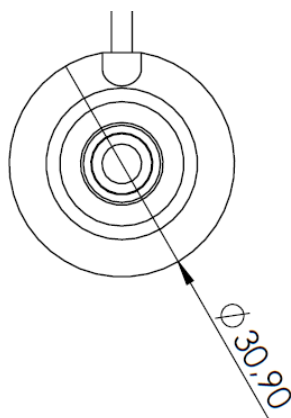
1.2. *Connection Specifications*

Connector type: on request
Cable: RG174U
Cable length: 250 cm

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

1.3. *Mechanical Specifications and Dimensions*

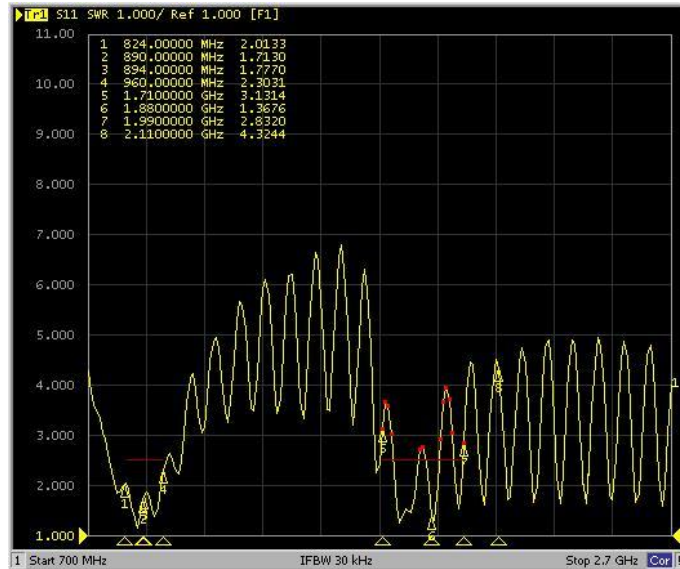
Material: ABS
Max. dimensions: 30.9mm x 71.5mm (D x H)
Weight: 50g 'weight with connection above'
Colour: Black (for different colours please ask our sales team)



2. MEASUREMENT

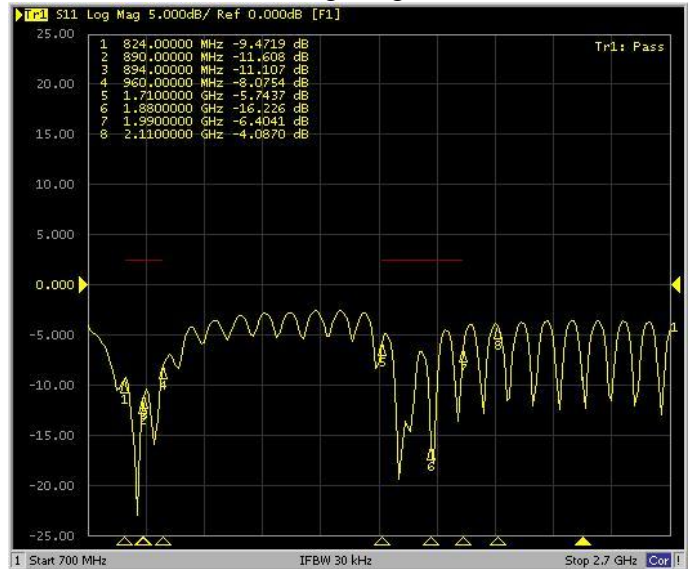
2.1. S11

VSWR



Tested with 100cm cable length - RG174 with FME female

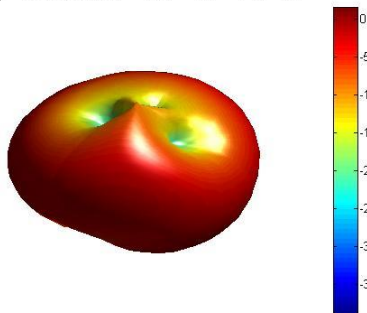
Log Mag



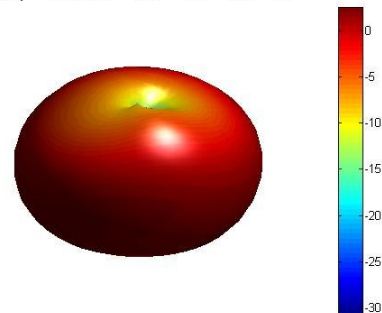
Tested with 100cm cable length - RG174 with FME female

2.2. 3D Spherical

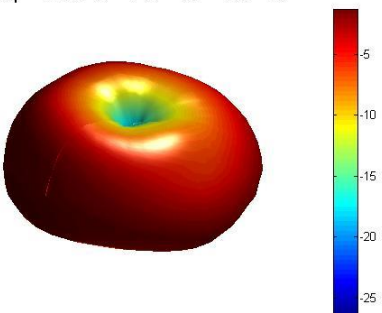
Freq = 0.8500GHz Az= 45 EL= 45



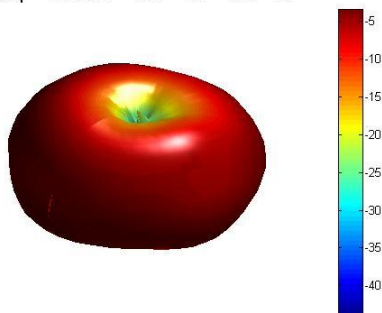
Freq = 0.9GHz Az= 45 EL= 45



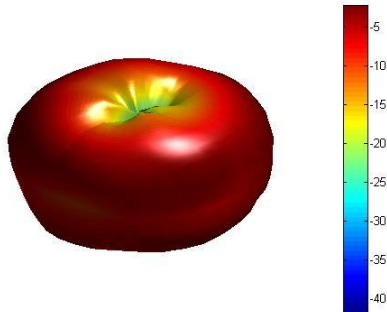
Freq = 1.8GHz Az= 45 EL= 45



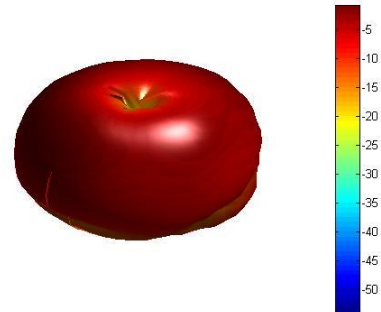
Freq = 1.9GHz Az= 45 EL= 45



Freq = 2.1GHz Az= 45 EL= 45



Freq = 2.4GHz Az= 45 EL= 45



3. IMAGES

