

DATASHEET

Type	Multiband Antenna
Frequencies	GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz)
Mounting	Magnetic Mount
Part No.	2J320M
Revision	00



P. Tipul

1. SPECIFICATION

1.1. Electrical Specifications

Frequencies	GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz)
Impedance	50 Ohms
Polarization	VERTICAL
Gain	5 dBi
VSWR	<2:1
Power handling	25W
Operating temperature	-40°C to +85°C

1.2. Connection Specifications

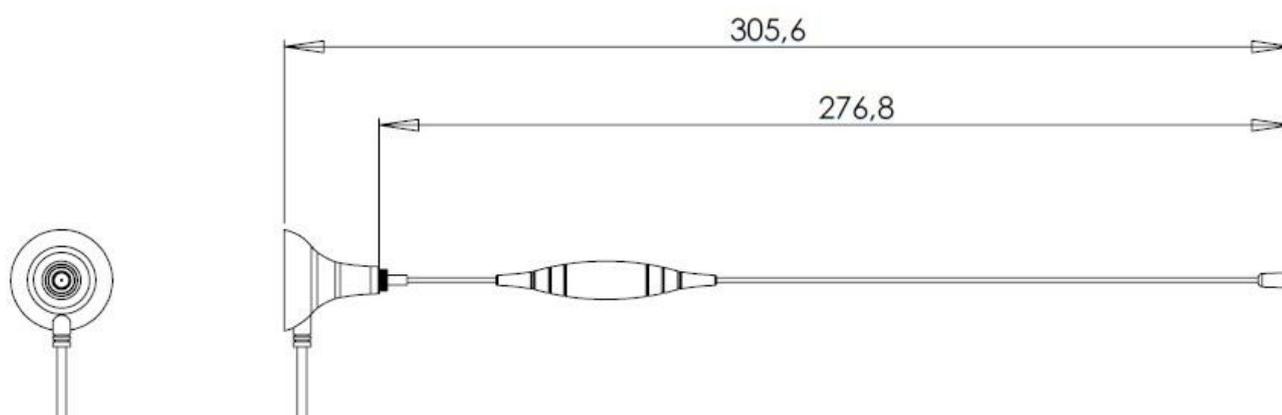
Connector type:	SMA male
Cable:	RG174U
Cable length:	250 cm

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

1.3. Mechanical Specifications and Dimensions

1.3.1. Magnetic Mount

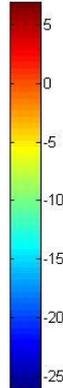
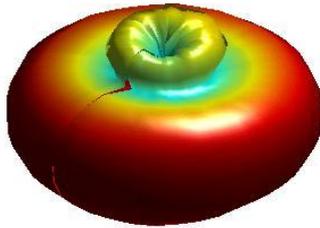
Material:	Base: ABS / Whip: Steel
Max. dimensions:	31.05mm x 308mm (D x H)
Weight:	60 g 'weigh with 2.5m cable length and SMA connector'
Colour:	Black (for different colours please ask our sales team)



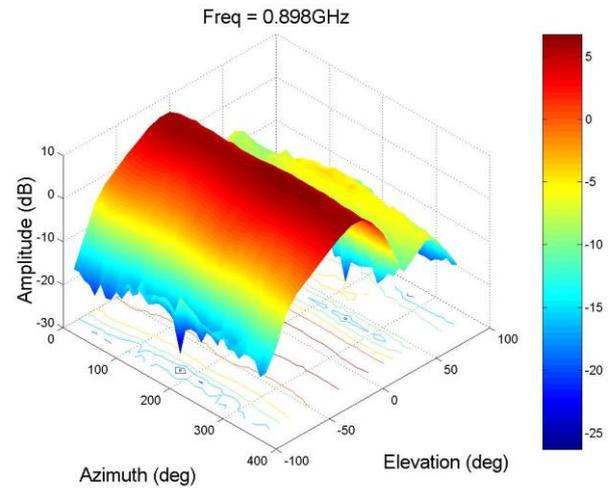
2. MEASUREMENT

- Tested with 15cm cable length - RG174 with SMA male

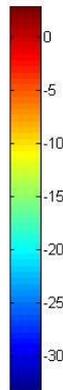
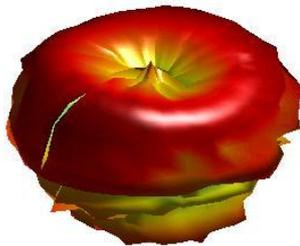
3D radiation pattern at 900MHz
Freq = 0.898GHz Az= 45 EL= 45



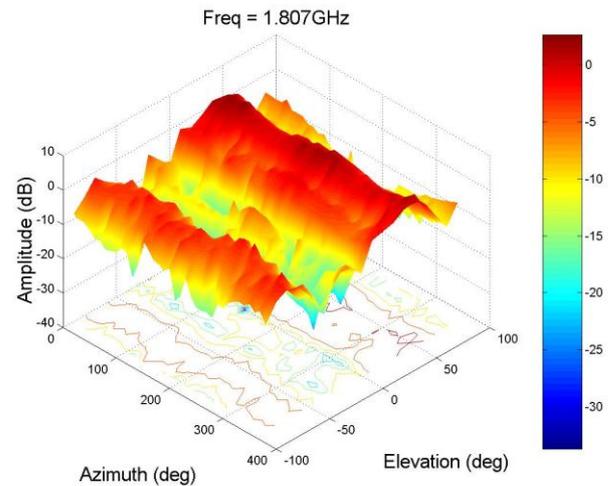
Plane radiation pattern at 900MHz



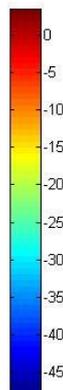
3D radiation pattern at 1.8GHz
Freq = 1.807GHz Az= 45 EL= 45



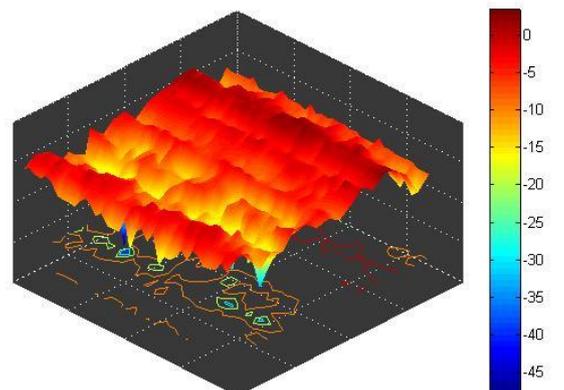
Plane radiation pattern at 1.8GHz



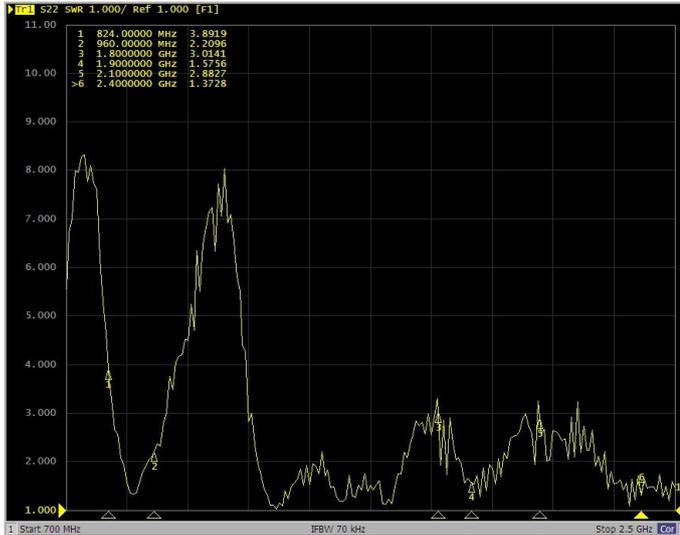
3D radiation pattern at 2.1GHz
Freq = 2.104GHz Az= 45 EL= 45



Plane radiation pattern at 2.1GHz

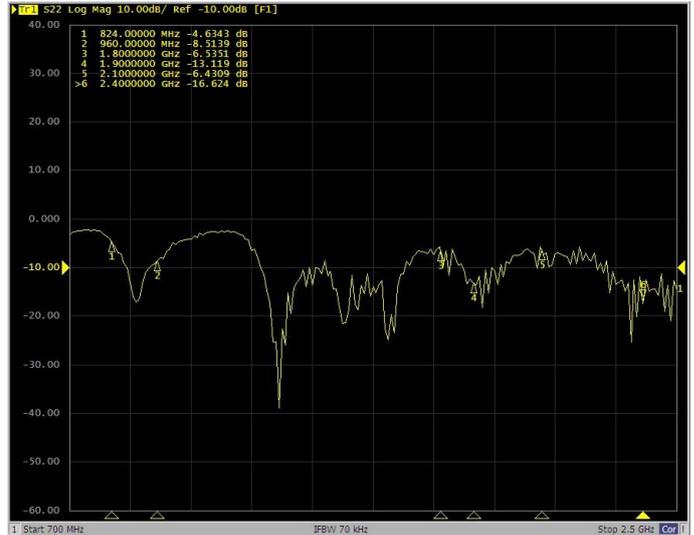


VSWR (Quad Band + WiFi)



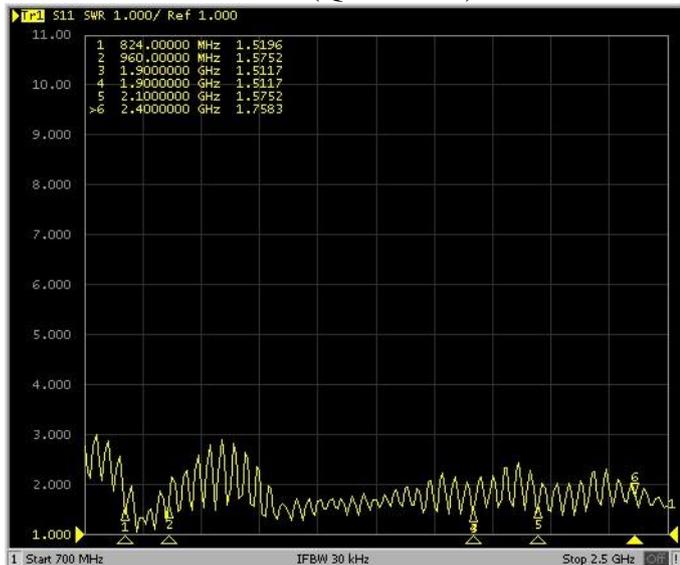
Tested with 15cm cable length - RG174 with SMA male

Log Mag (Quad Band + WiFi)



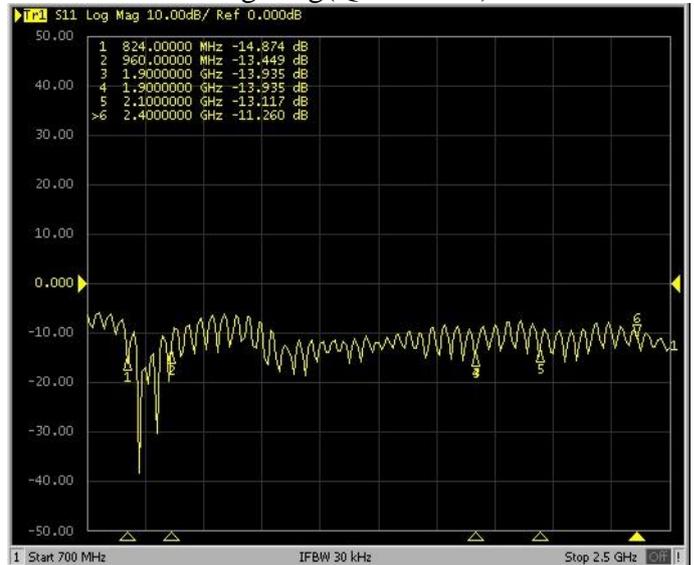
Tested with 15cm cable length - RG174 with SMA male

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