

DATASHEET

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|--------------------|--|
| 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

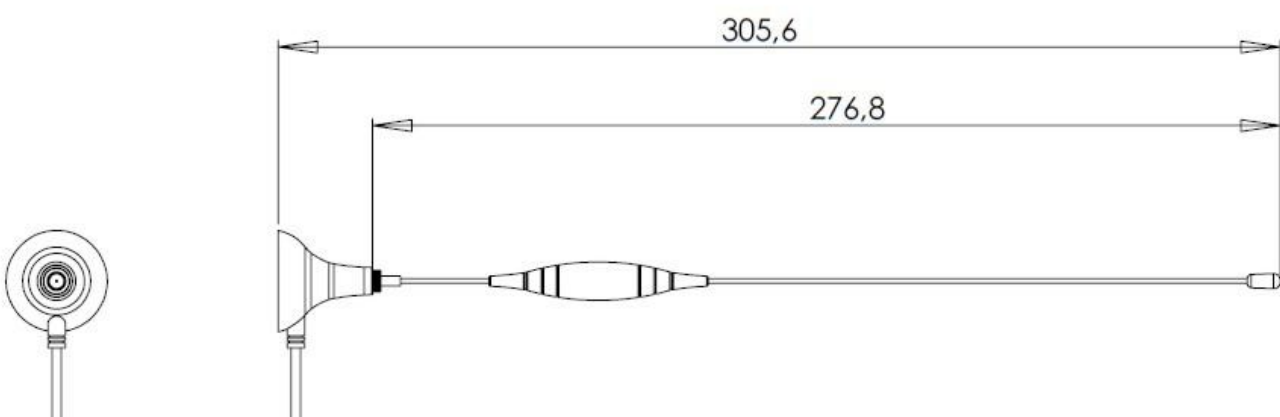
| | |
|-----------------|----------|
| Connector type: | SMA male |
| Cable: | RG174U |
| Cable length: | 500 cm |

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

1.3. Mechanical Specifications and Dimensions

1.3.1. Magnetic Mount

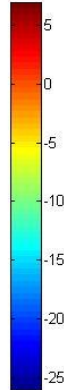
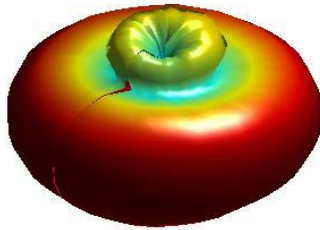
| | |
|------------------|---|
| Material: | Base: ABS / Whip: Steel |
| Max. dimensions: | 31.05mm x 308mm (D x H) |
| Weight: | 60 g 'weigh with 2.5m cable length and SMA connector' |
| Colour: | Black (for different colours please ask our sales team) |



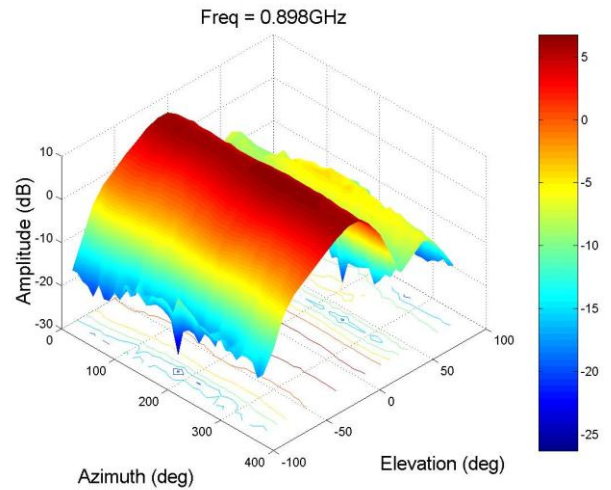
2. MEASUREMENT

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

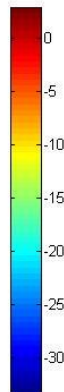
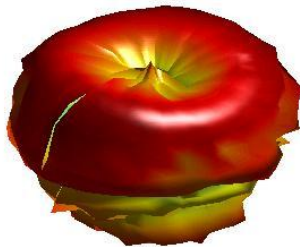
3D radiation pattern at 900MHz
Freq = 0.898GHz Az= 45 EL= 45



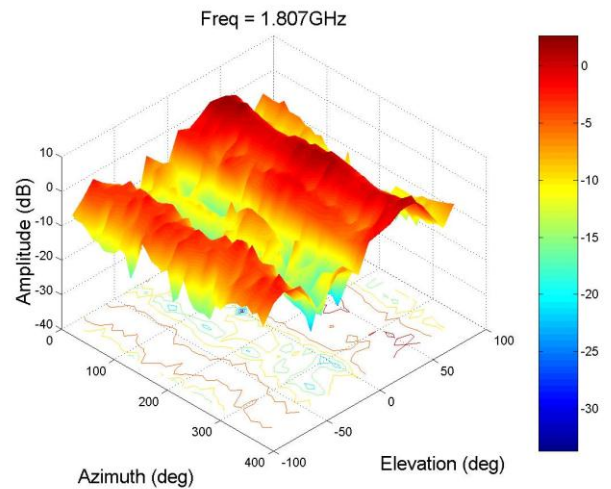
Plane radiation pattern at 900MHz



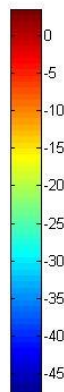
3D radiation pattern at 1.8GHz
Freq = 1.807GHz Az= 45 EL= 45



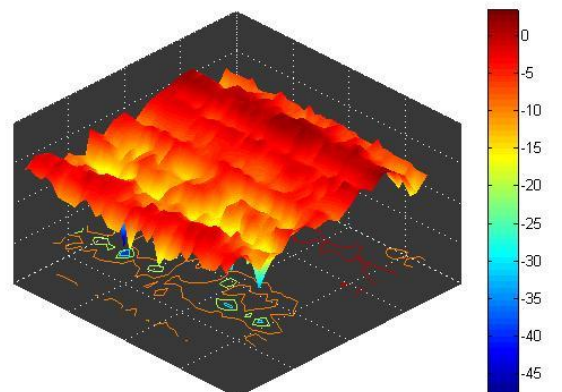
Plane radiation pattern at 1.8GHz



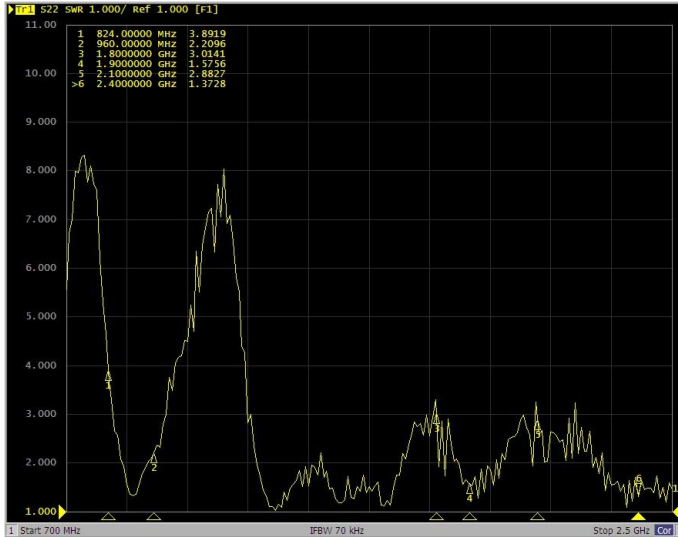
3D radiation pattern at 2.1GHz
Freq = 2.104GHz Az= 45 EL= 45



Plane radiation pattern at 2.1GHz

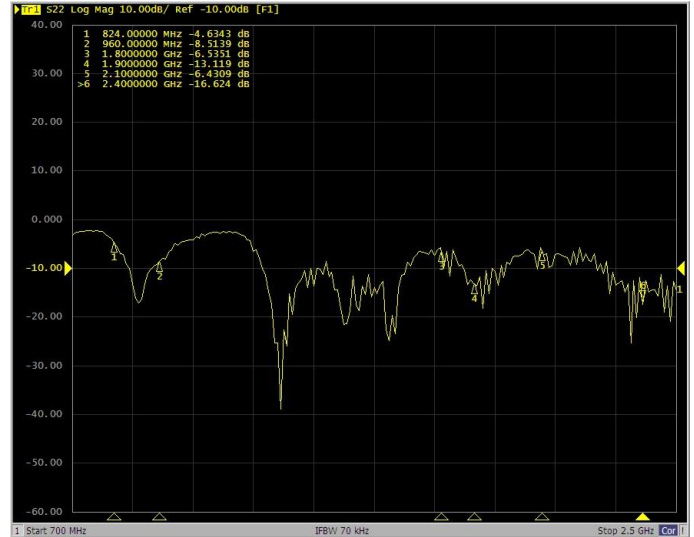


VSWR (Quad Band + WiFi)



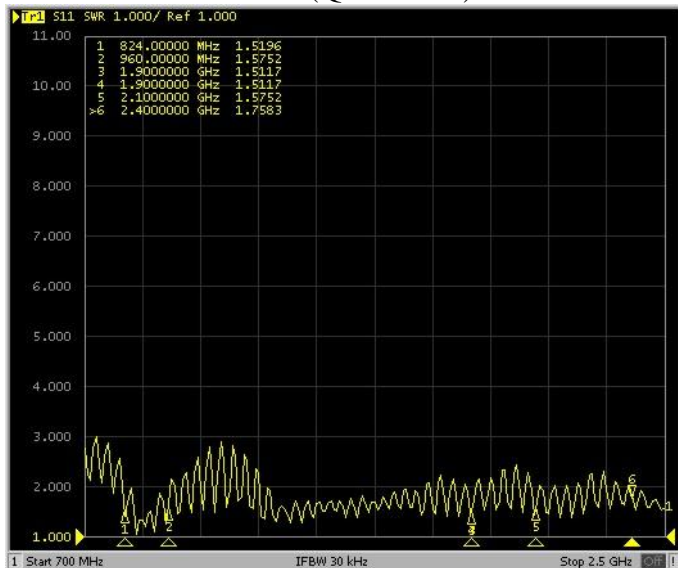
Tested with 15cm cable length - RG174 with SMA male

Log Mag (Quad Band + WiFi)



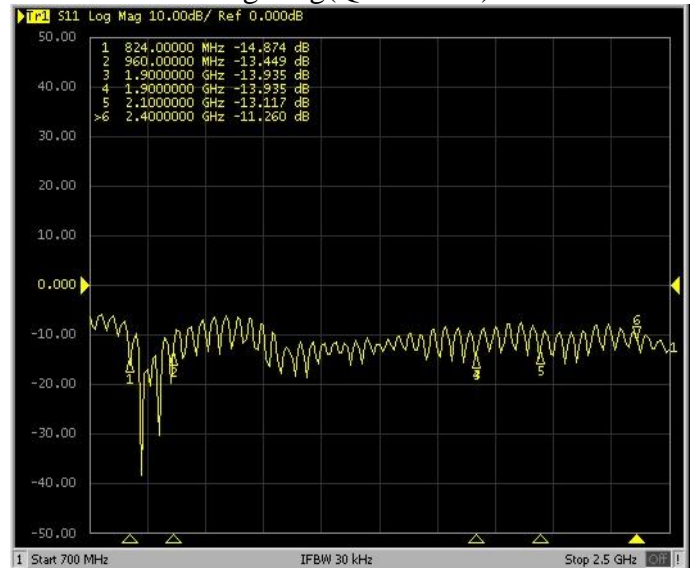
Tested with 15cm cable length - RG174 with SMA male

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