

2J010 2J020 (DATASHEET)

Type	Multiband antenna
Frequencies	AMPS (824-894 MHz) GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz)
Mounting	Telematic Mount
Revision	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	VERTICAL
Gain	2.14 dBi Max
VSWR	<2:1
Power handling	25W
Connector	SMA male
Operating temperature	-40°C to +85°C
Note	¼ wave antenna

1.2. Connection Specifications

2J010: SMA R/A male

2J020: SMA male

1.3. Mechanical Specifications and Dimensions

Material:

Lid: ABS

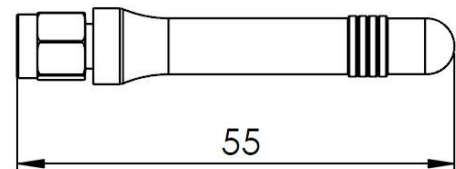
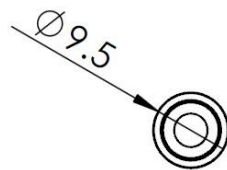
Weight:

10 g

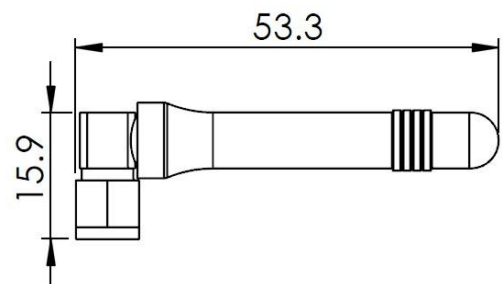
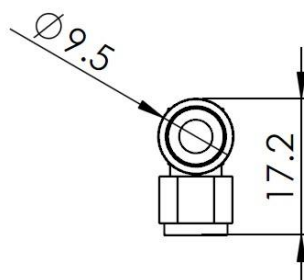
Colour:

Black (for different colours please ask our sales team)

2J020



2J010

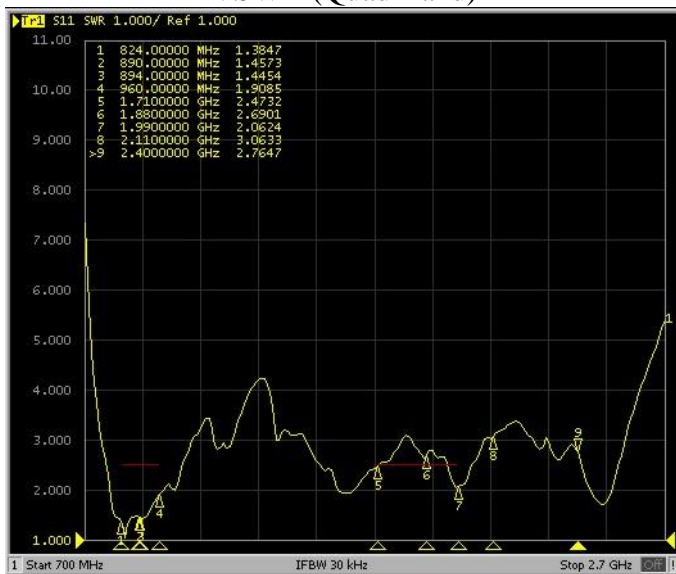


2. MEASUREMENT

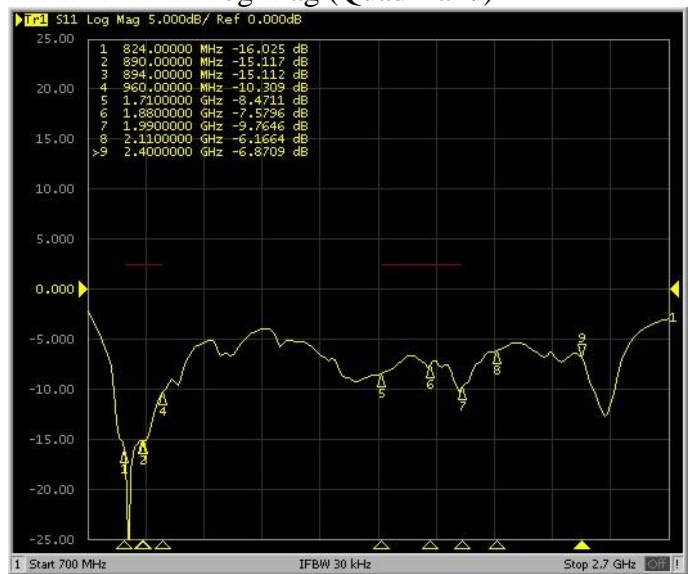
- Antenna measured straight on the Vector Network Analyzer port S11
- Size of the ground plane can affect antenna tuning and will shift freq.

2.1. 2J010

VSWR (Quad Band)

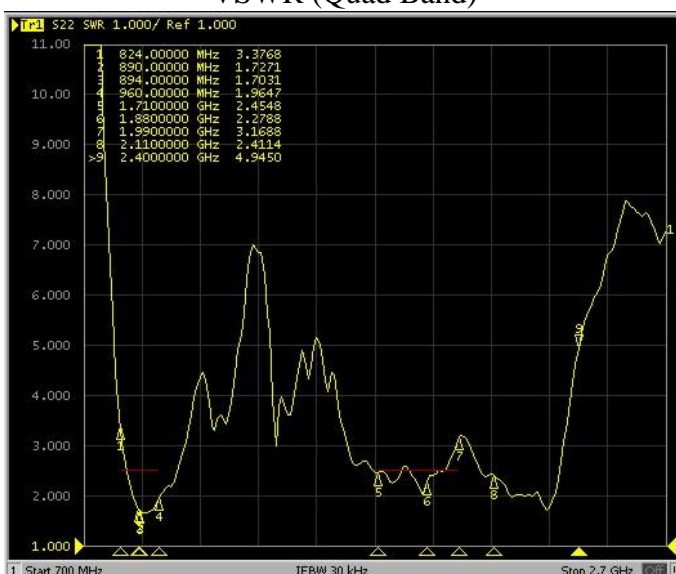


Log Mag (Quad Band)



2.2. 2J020

VSWR (Quad Band)



Log Mag (Quad Band)



3. IMAGES

3.1. 2J010



3.2. 2J020

