


2J425 2J425G (DATASHEET)

Type	Combined Antenna
Frequencies	GSM (900 MHz) GPS (1575.42 MHz) GLONASS (1592 - 1610 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz)
Mounting	Any Surface Glass Mount Patch Mount
Revision	00




P. Tipul


D. Noble

1. SPECIFICATION

1.1. *Electrical Specifications*

Navigation (Cable 1)

	2J425	2J425G
Frequencies	GPS (1575.42 MHz)	GPS (1575.42 MHz) GLONASS (1592 - 1610 MHz)
Impedance	50 Ohms	
Polarization	RHCP	
LNA Gain	26dB at 3V, 27dB at 5V	
Voltage supply	2.7V - 5.5V	
Current	15mA - 25mA	
Power (max.)	138mW	
Operating temperature	-40°C to +85°C	

Mobile (Cable 2)

Frequencies	GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz)
Impedance	50 Ohms
Polarization	Horizontal
Gain	0dBi
VSWR	<2:1
Power handling	35W
Operating temperature	-40°C to +85°C

1.2. *Connection Specifications*

Cable 1 (Navigation):

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

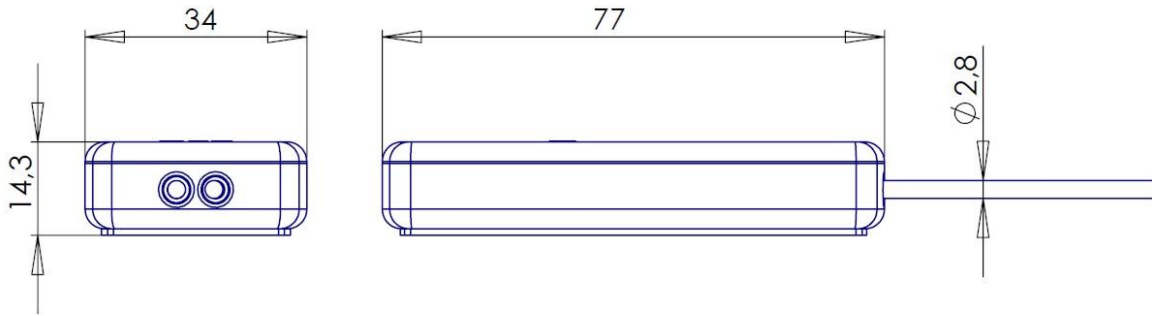
Cable 2 (Mobile):

Connector type: FME female
Cable: RG174U
Cable length: 250 cm

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

1.3. Mechanical Specifications and Dimensions

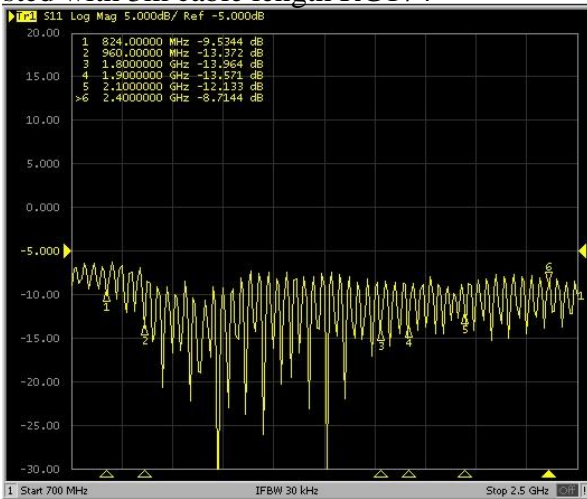
Material: ABS
 Dimensions: 14.3mm x 77mm x 34mm (H x L x W)
 Weight: 115 g 'counted with default connection'
 Colour: Black (for different colours please ask our sales team)



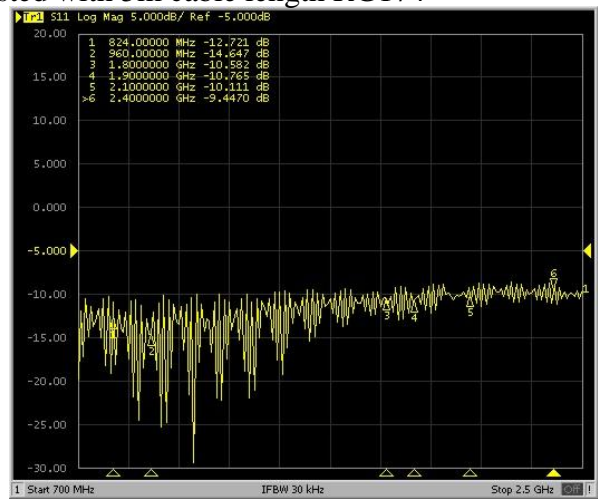
2. MEASUREMENT

Log Mag (Quad band):

Tested with 3m cable length RG174

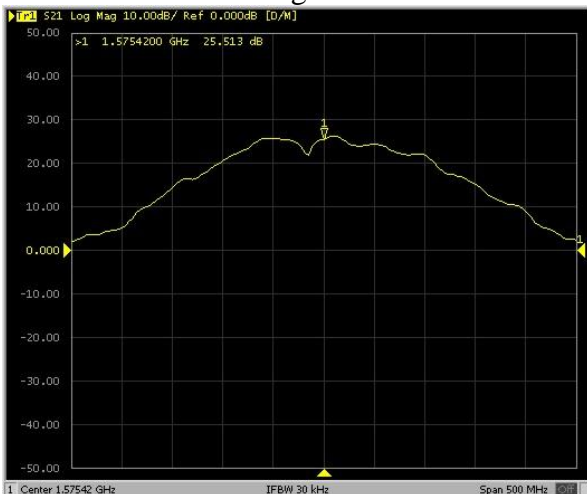


Tested with 5m cable length RG174

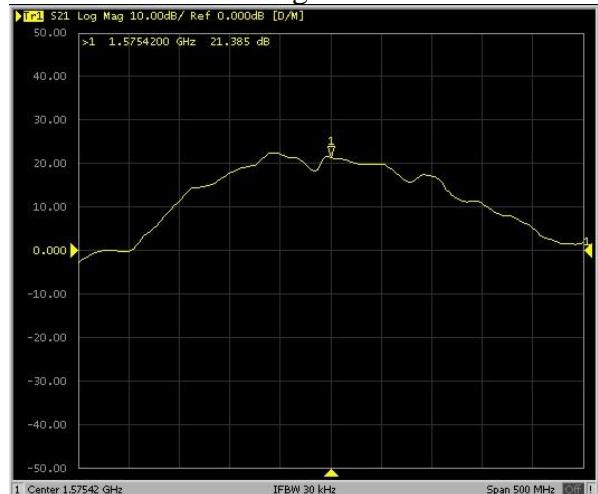


Log Mag (GNSS) at 3V:

Tested with 3m cable length RG174

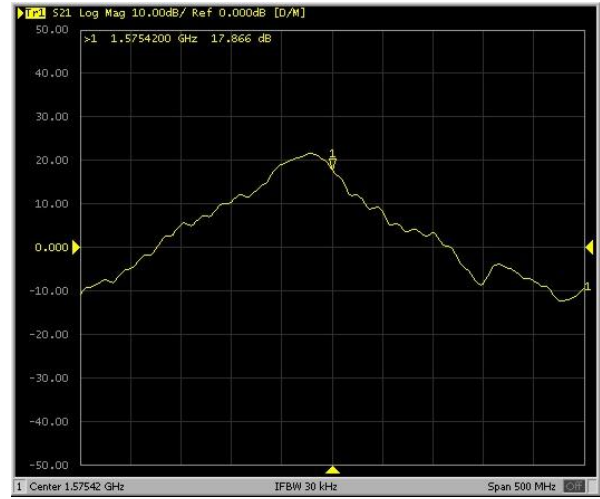
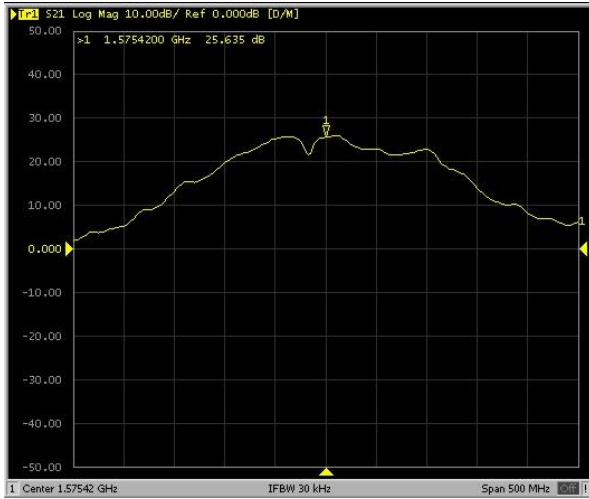


Tested with 5m cable length RG174



Log Mag (GNSS) at 5V:
Tested with 3m cable length RG174

Tested at 5m cable length RG174



3. IMAGES

