

2J560RPCB

(DATASHEET)

Type	Patch antenna with diagnostic resistor
Frequencies	AMPS (824-894 MHz) ISM (868 MHz) GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz) WIFI / BLUETOOTH (2.4 GHz) WIFI (5.0 GHz)
Mounting	Patch Mount
Revision	00

Application

Mobile applications
Wireless applications
Smart meters

Features

Antenna detection resistor



1. SPECIFICATION

1.1. Electrical Specifications

Frequencies	AMPS (824-894 MHz) ISM (868 MHz) GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz) WIFI / BLUETOOTH (2.4 GHz) WIFI (5.0 GHz)
Impedance	50 Ohms
Polarization	Vertical
Gain	2.2 dBi
VSWR	<2:1
Power handling	35W
Operating temperature	-40°C to +85°C

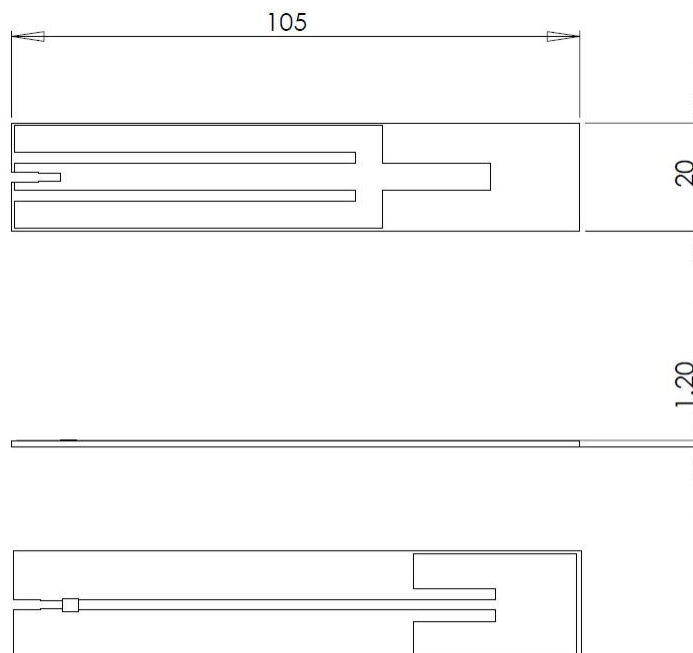
1.2. Connection Specifications

- Cable type and connector are upon request.
- Minimum cable length what is suitable for this antenna is 30cm

1.3. Mechanical Specifications and Dimensions

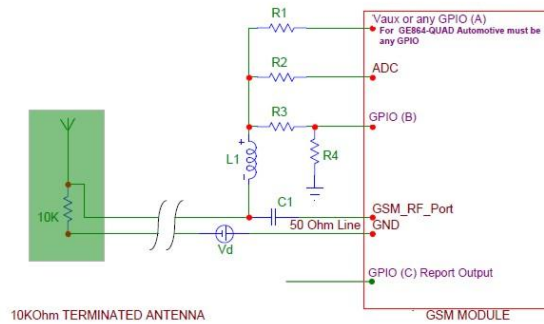
1.3.1. Patch mount

Max. dimensions: 105mm x 2.7mm x 20.5mm
 Weight: 12 g 'weight with default connection'
 Colour: Black solder mask on bottom side of PCB



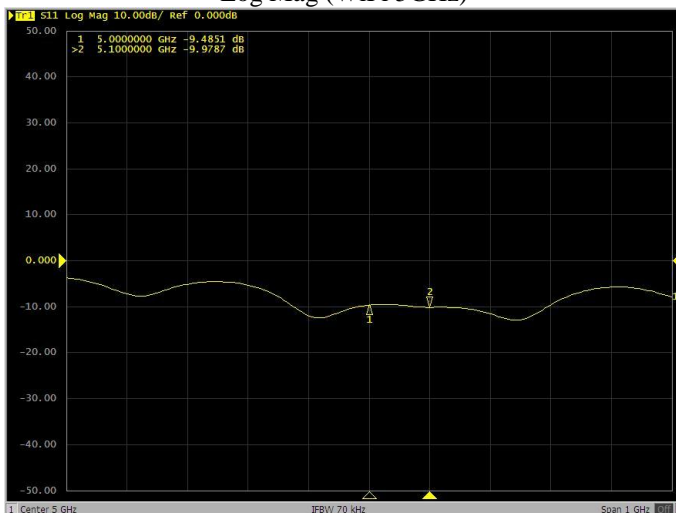
2. ANTENNA CONNECTION

Antenna is terminated with 10k Ohm resistor what can be used in application where you need check if antenna is connected, or if there is open circuit. On the picture below you can see example of connecting antenna into that circuit.



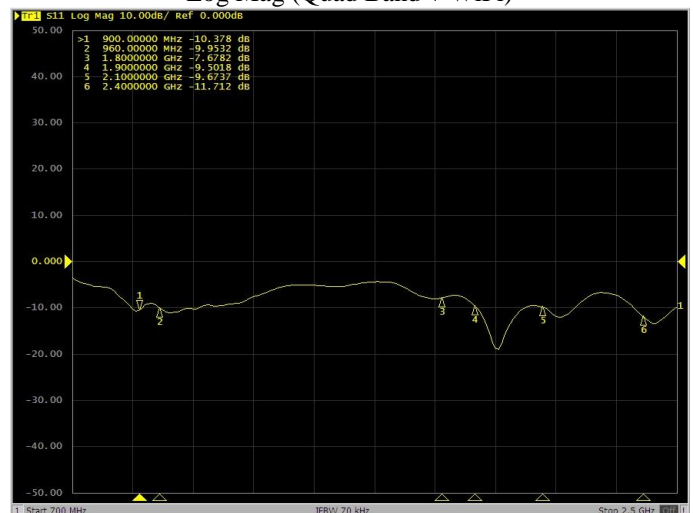
3. MEASUREMENT

Log Mag (WiFi 5GHz)



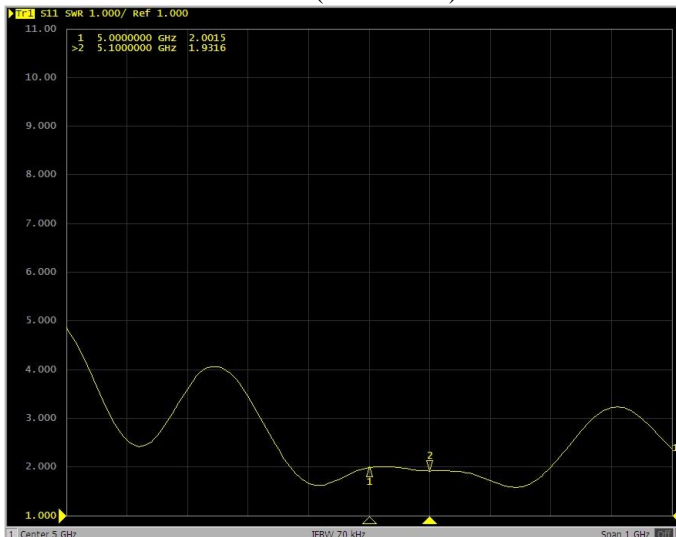
Tested with 30cm cable length

Log Mag (Quad Band + WiFi)



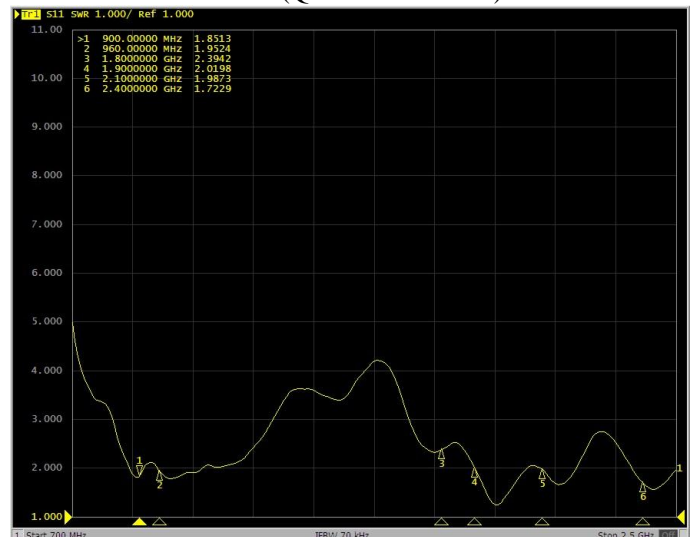
Tested with 30cm cable length

VSWR (WiFi 5GHz)



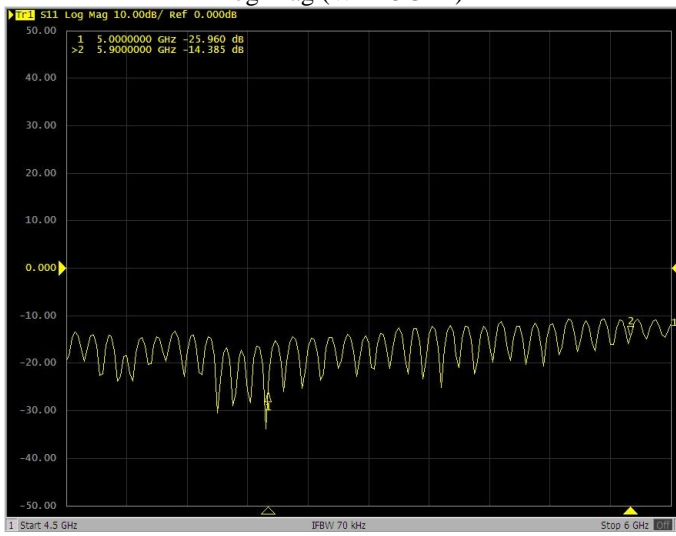
Tested with 30cm cable length

VSWR (Quad Band + WiFi)



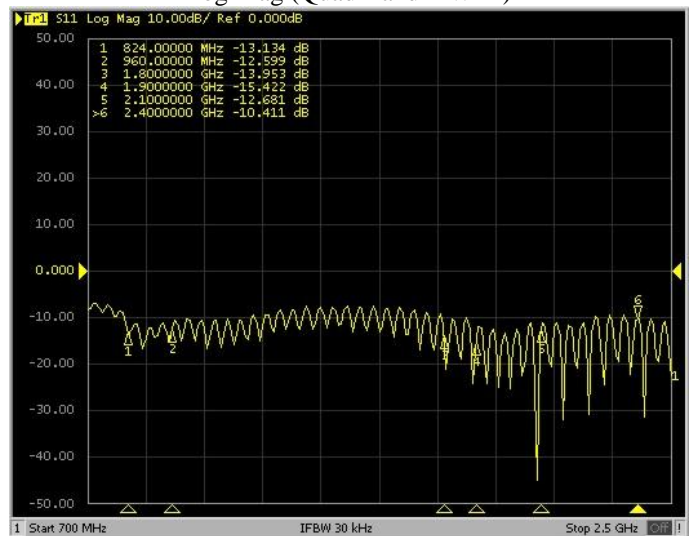
Tested with 30cm cable length

Log Mag (WiFi 5GHz)



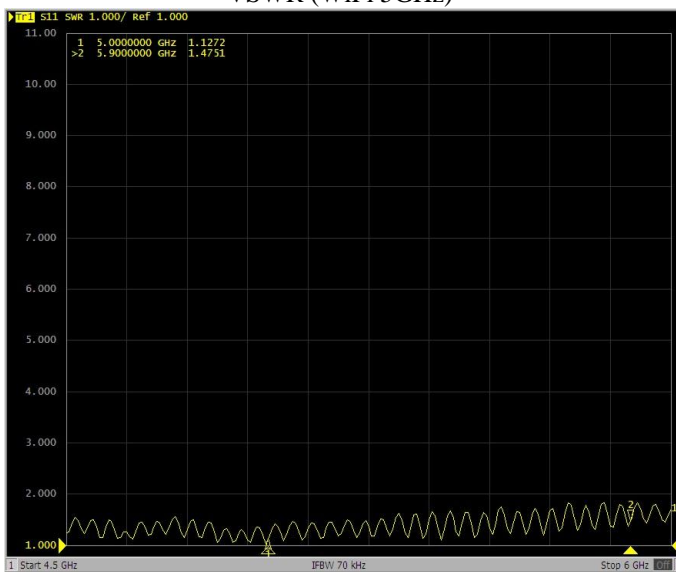
Tested with 2.5m cable length

Log Mag (Quad Band + WiFi)



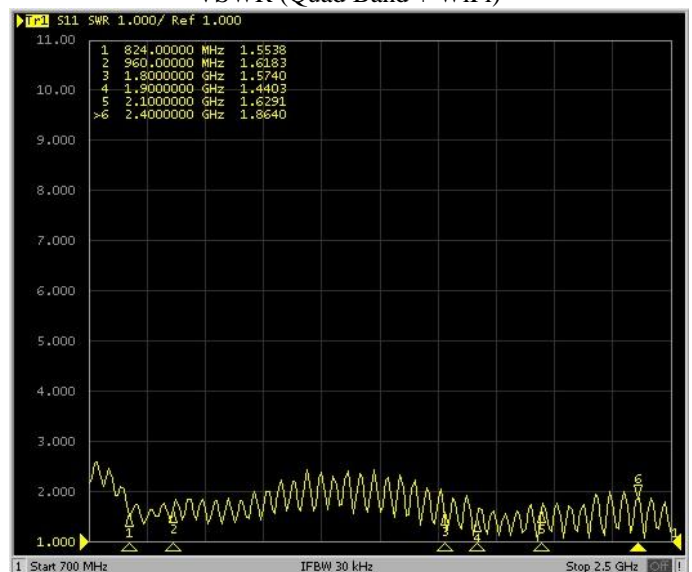
Tested with 2.5m cable length

VSWR (WiFi 5GHz)



Tested with 2.5m cable length

VSWR (Quad Band + WiFi)



Tested with 2.5m cable length