2J474B
(DATASHEET)

Type	Multiband antenna
Frequencies	AMPS (824-894 MHz) GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz)
Mounting	Body 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	Linear
Gain	0dBi
VSWR	<3:1
Power handling	25W
Cable length	min 30cm
Operating temperature	-40°C to +85°C

1.2. Connection Specifications

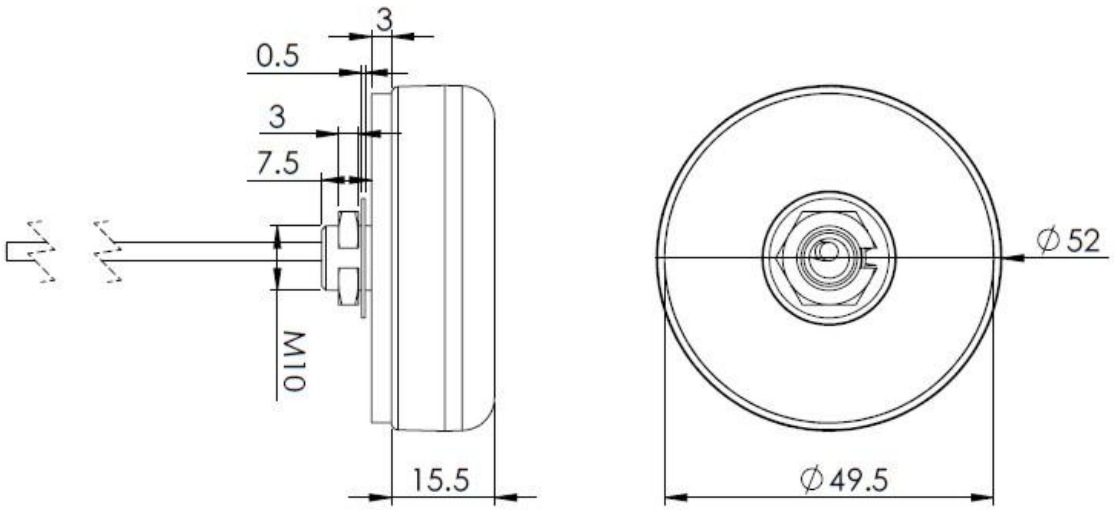
Connector type: SMA male
Cable: RG174
Cable length: 30 cm

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

1.3. Mechanical Specifications and Dimensions

1.3.1. Body mount

Material: ABS
Max. dimensions: 52mm x 26mm
Weight: 33 g 'weight counted with connection above'
Colour: Black (for different colours please ask our sales team)



2. MEASUREMENT

2.1. Set for Measurements

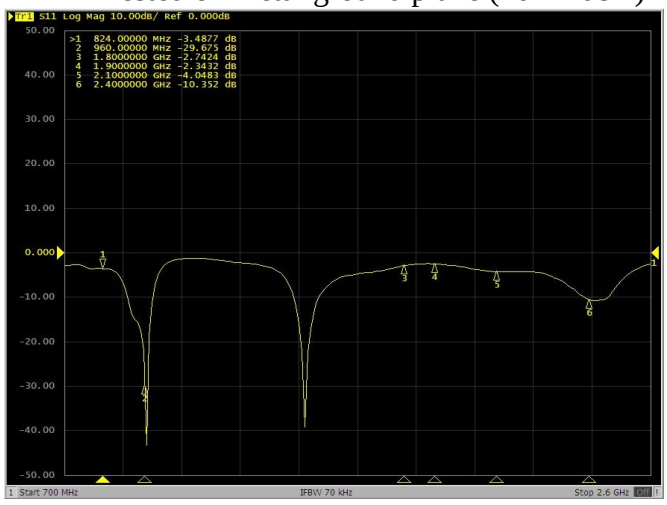
Connection: Tested with 30cm cable length.
Temperature: 25 °C
Output power: 0 dBm

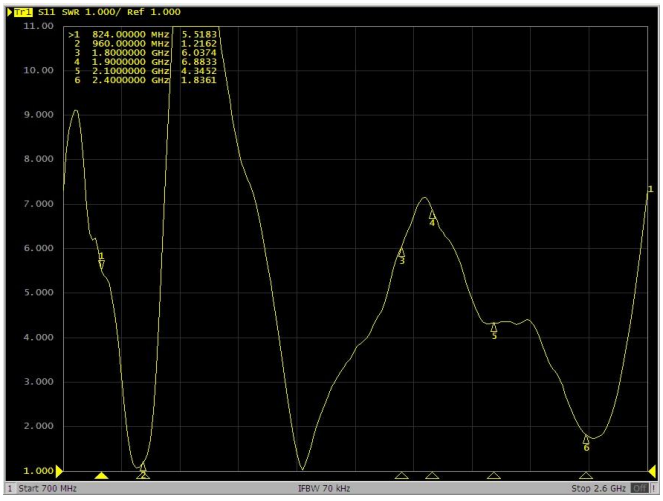
DAMS positioner with AUT and reference antenna are placed in anechoic chamber

2.2. Electrical Characteristics

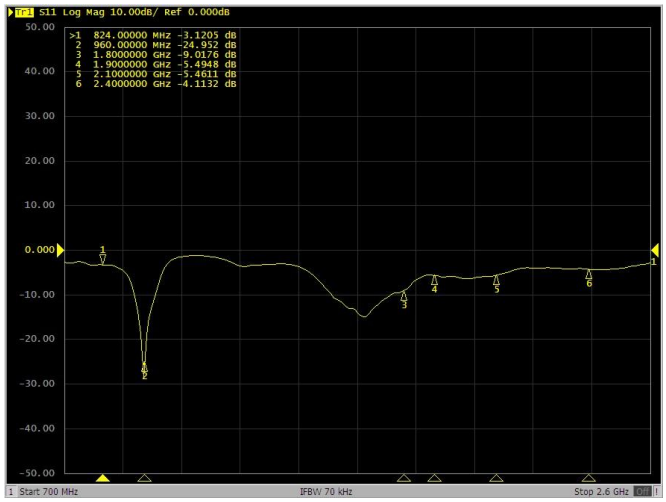
Log Mag VSWR

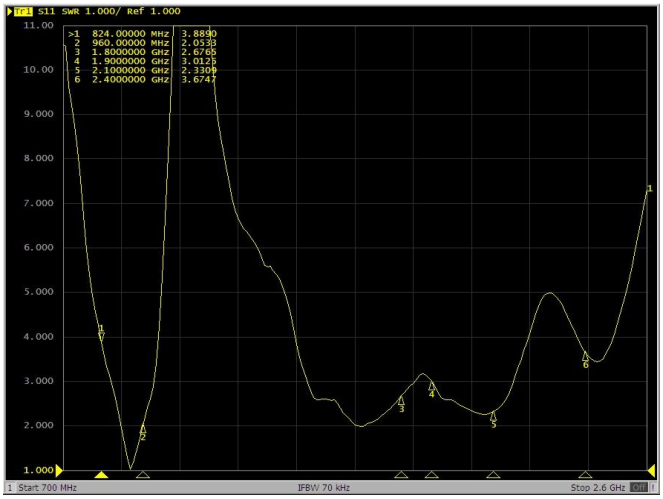
- Tested on metal ground plane (20 x 20cm)





- Tested on non-metal ground plane (20 x 20cm)

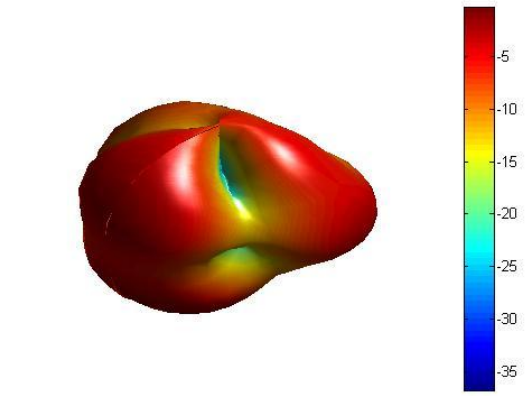




2.3. Radiation Patterns

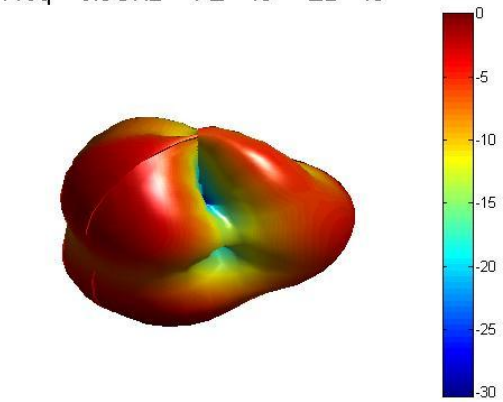
868MHz

Freq = 0.8700GHz Az= 45 EL= 45



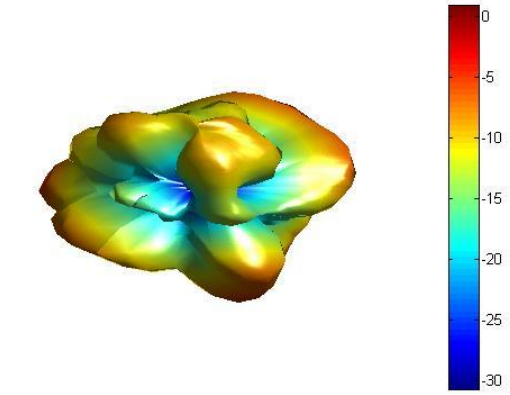
900MHz

Freq = 0.9GHz Az= 45 EL= 45



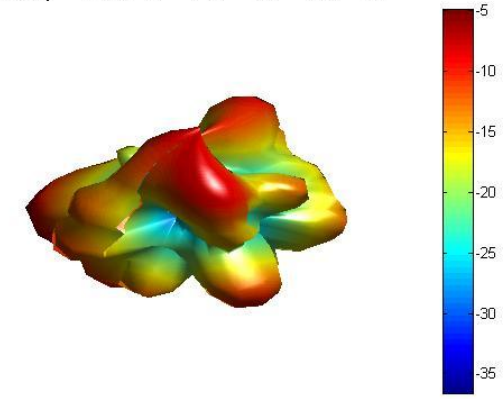
1800MHz

Freq = 1.8GHz Az= 45 EL= 45



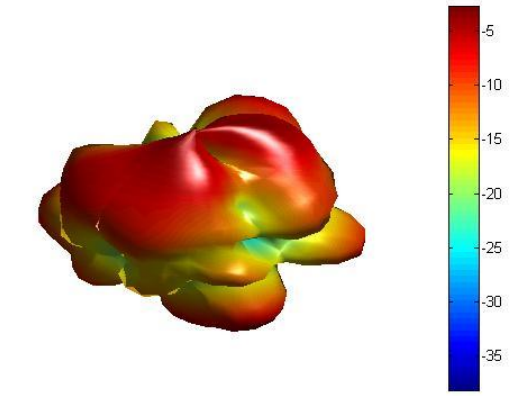
1900MHz

Freq = 1.9GHz Az= 45 EL= 45



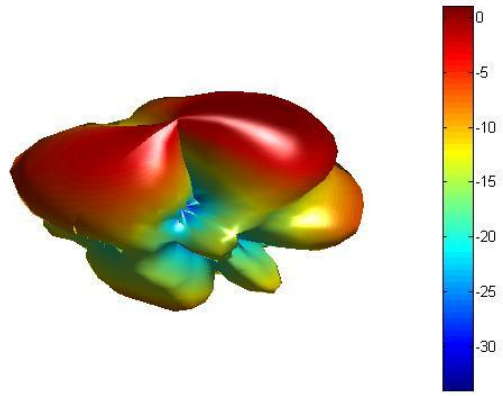
2100MHz

Freq = 2.1GHz Az= 45 EL= 45



2400MHz

Freq = 2.4GHz Az= 45 EL= 45



3. IMAGES







