2J674B
(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	Horizontal
Gain	2,2 dBi
VSWR	<2:1
Power handling	35W
Operating temperature	-40°C to +85°C

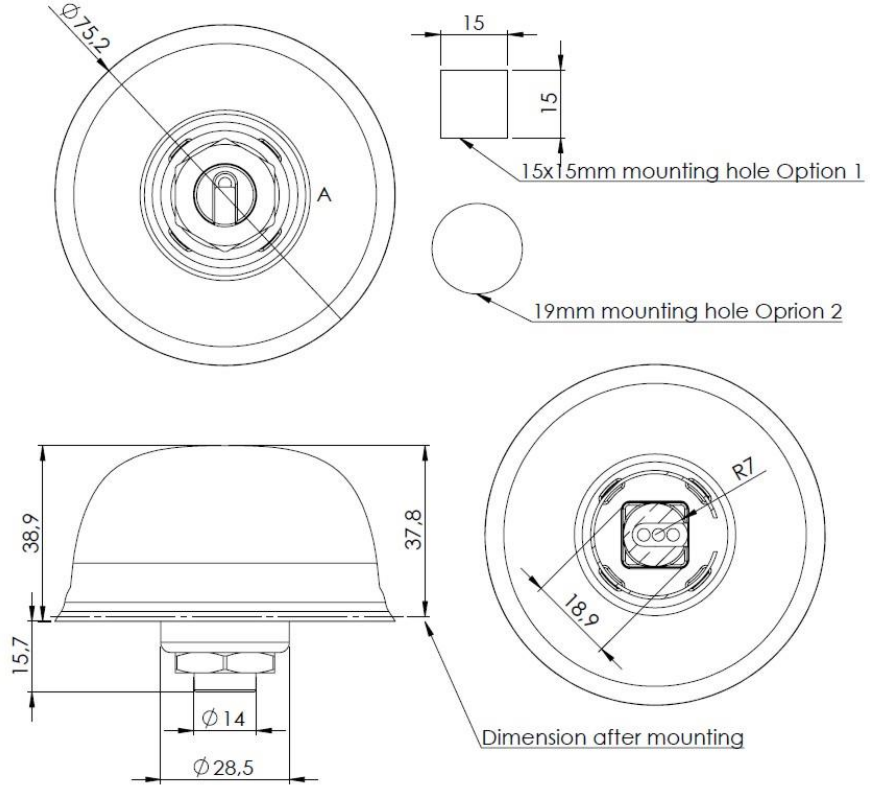
1.2. Connection Specifications

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

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

1.3. Mechanical Specifications and Dimensions

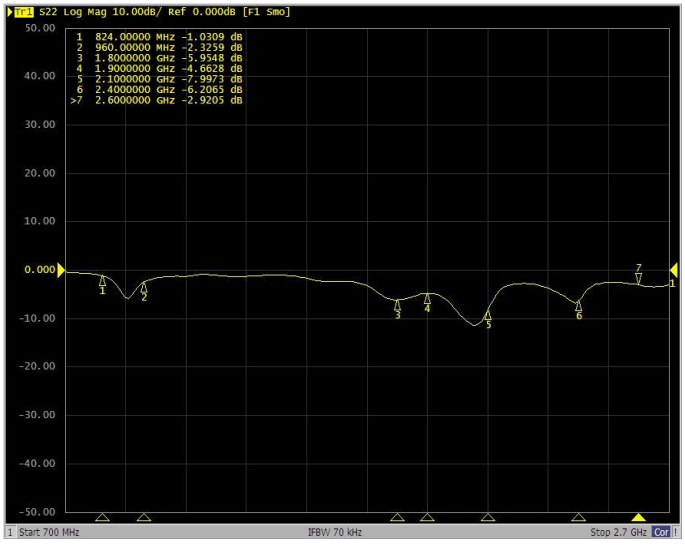
Material: Lid: ABS / Base: Zamak / Gasket: TPE
Max. dimensions: 77.3mm x 37,8mm (D x H - dimensions after mounting)
Weight: 120 g 'weight counted with 30cm cable and SMA connector'
Colour: Black (for different colours please ask our sales team)



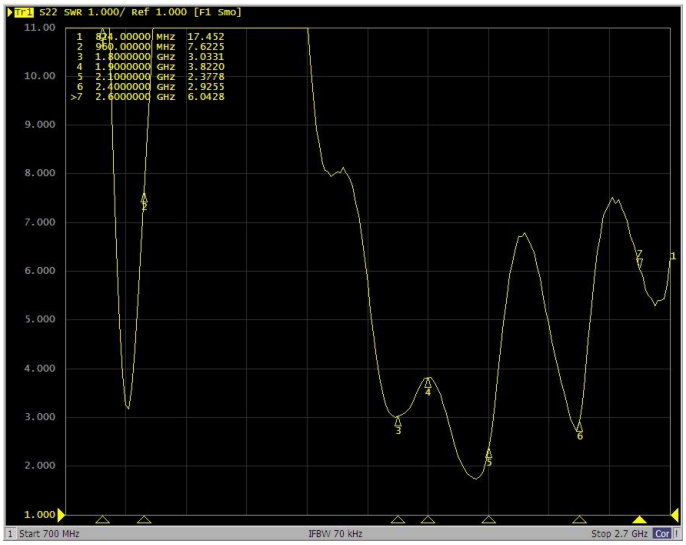
2. MEASUREMENT

- Tested with 30cm cable length, on 20x20cm groundplane.

LOG MAG

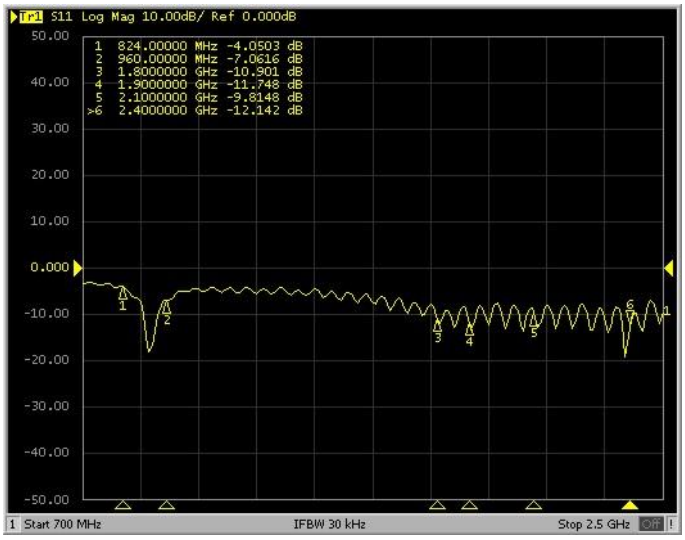


VSWR

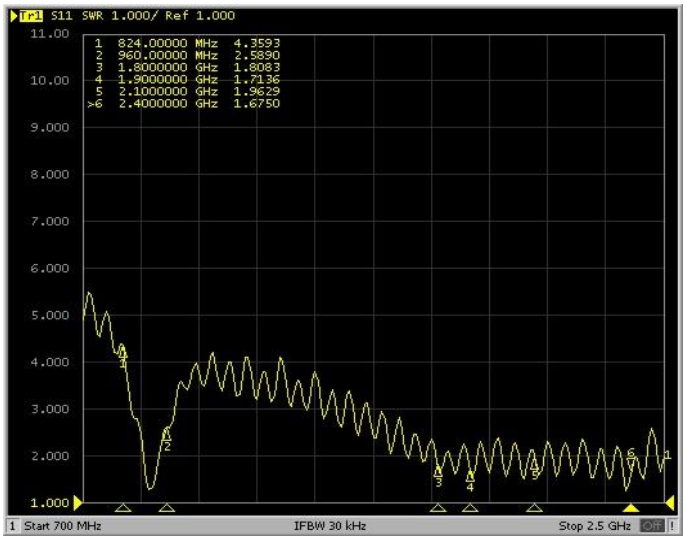


- Tested with 200cm cable length, on 20x20cm groundplane.

LOG MAG



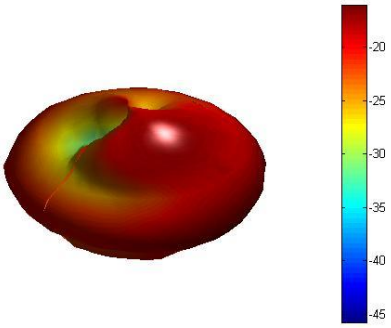
VSWR



2.1. 3D Radiation pattern

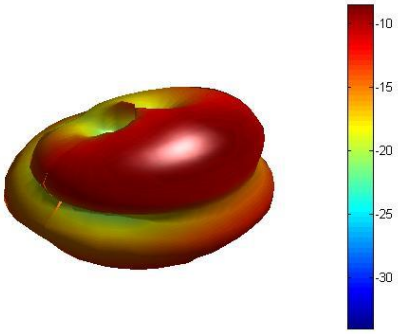
824MHz

Freq = 0.8200GHz Az= 45 EL= 45



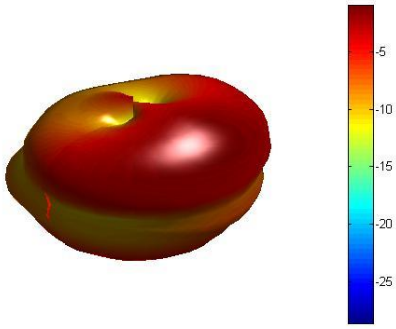
868MHz

Freq = 0.8600GHz Az= 45 EL= 45



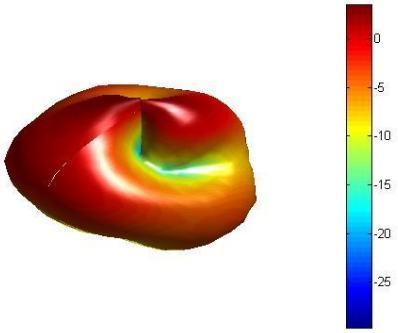
900MHz

Freq = 0.9GHz Az= 45 EL= 45



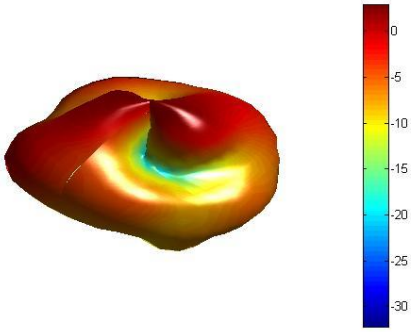
1800MHz

Freq = 1.8GHz Az= 45 EL= 45



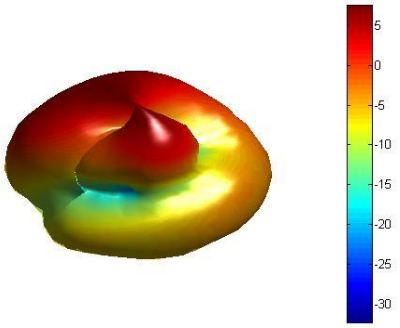
1900MHz

Freq = 1.9GHz Az= 45 EL= 45



2.1GHz

Freq = 2.1GHz Az= 45 EL= 45



2.4GHz

Freq = 2.4GHz Az= 45 EL= 45

