2J301M
(DATASHEET)

Type	Multiband Antenna
Frequencies	AMPS (824-894 MHz) GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz)
Mounting	Magnetic 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	2.2dBi Max
VSWR	<3:1
Operating temperature	-40°C to +85°C

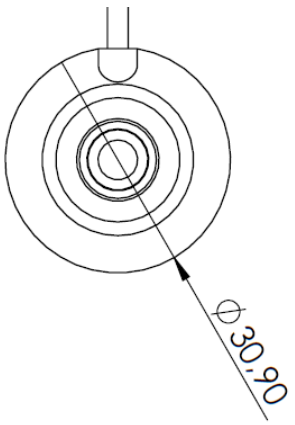
1.2. Connection Specifications

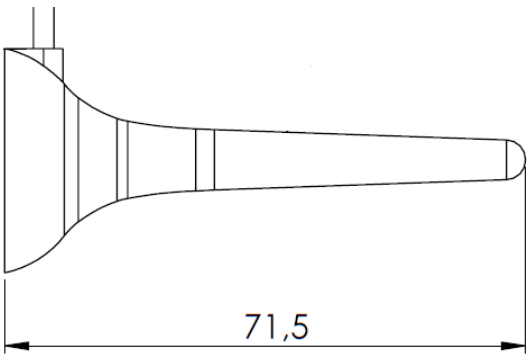
Connector type: FME female
Cable: RG174U
Cable length: 250 cm

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

1.3. Mechanical Specifications and Dimensions

Material: ABS
Max. dimensions: 30.9mm x 71.5mm (D x H)
Weight: 50g ‘weight with connection above’
Colour: Black (for different colours please ask our sales team)

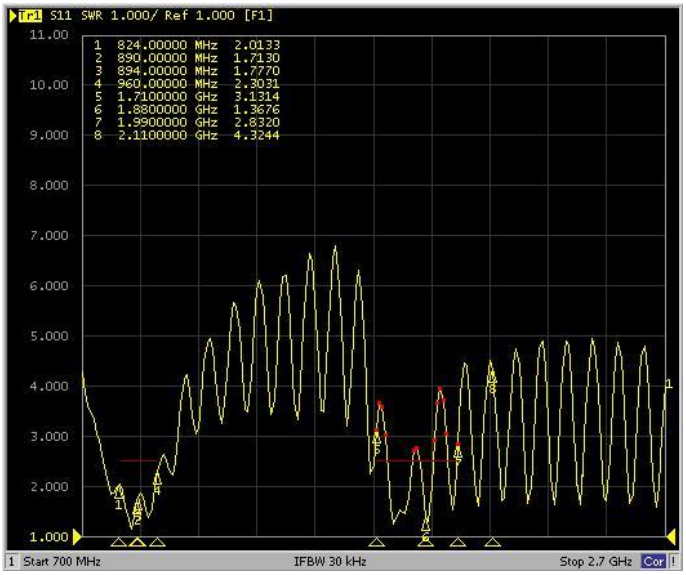




2. MEASUREMENT

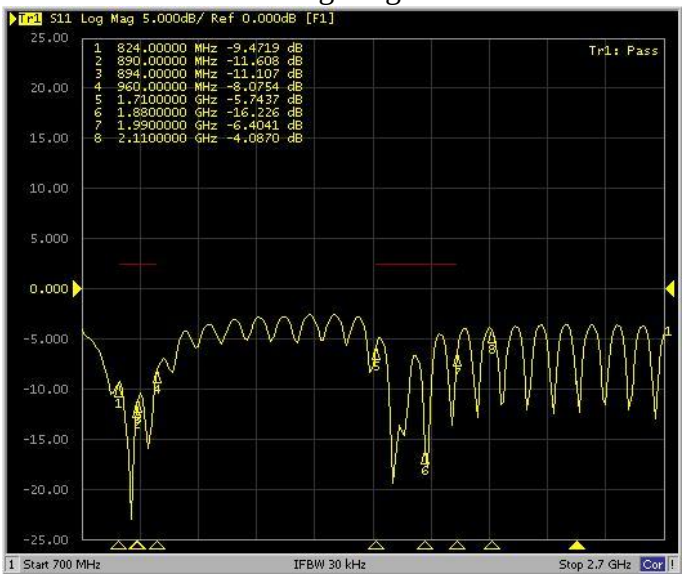
2.1. S11

VSWR



Tested with 100cm cable length - RG174 with FME female

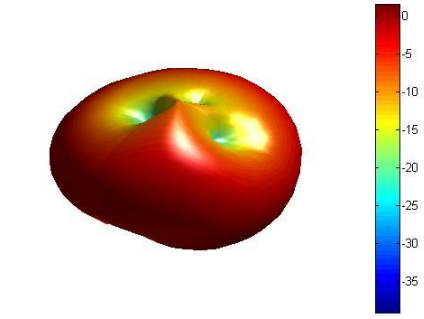
Log Mag



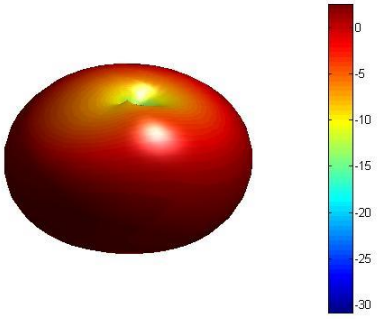
Tested with 100cm cable length - RG174 with FME female

2.2. 3D Spherical

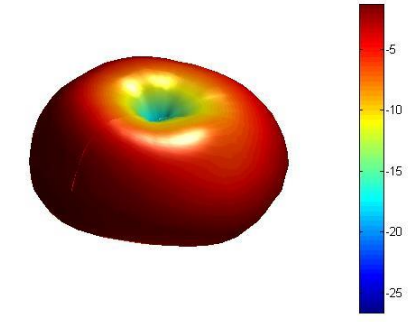
Freq = 0.8500GHz Az= 45 EL= 45



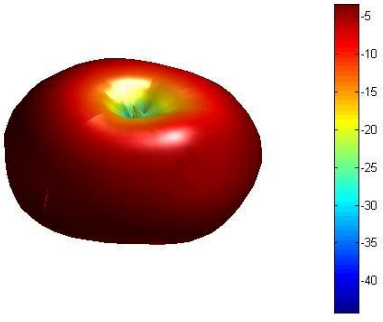
Freq = 0.9GHz Az= 45 EL= 45



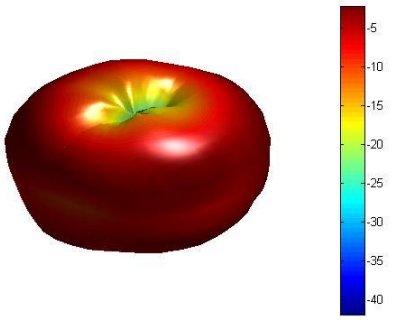
Freq = 1.8GHz Az= 45 EL= 45



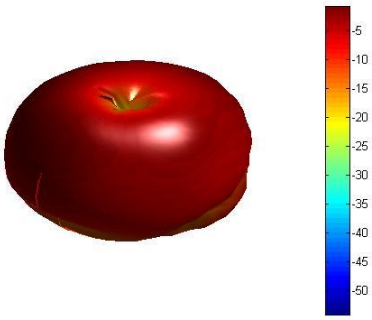
Freq = 1.9GHz Az= 45 EL= 45



Freq = 2.1GHz Az= 45 EL= 45



Freq = 2.4GHz Az= 45 EL= 45



3. IMAGES



