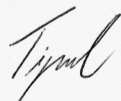



2JW031

(DATASHEET)

Type	Multiband antenna
Frequencies	AMPS (824-894 MHz) ISM (868 MHz) ISM (915 MHz) GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz) WIFI / BLUETOOTH (2.4 GHz) WIFI (5.1 - 5.9 GHz)
Mounting	Telematic Mount
Revision	01



P. Tipul



D. Noble

1. SPECIFICATION

1.1. Electrical Specifications

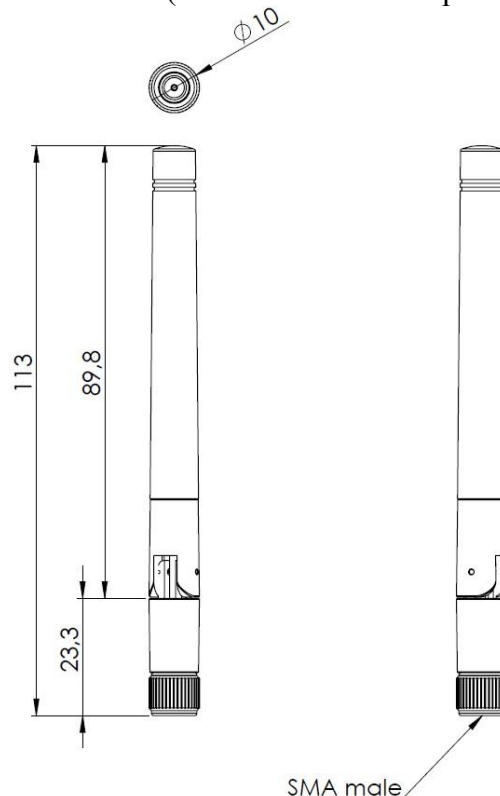
Frequencies	AMPS (824-894 MHz) ISM (868 MHz) ISM (915 MHz) GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz) WIFI / BLUETOOTH (2.4 GHz) WIFI (5.1 - 5.9 GHz)
Impedance	50 Ohms
Polarization	VERTICAL
Gain	3dBi Ave.
Power handling	25W
VSWR	<2.5:1
Operating temperature	-40°C to +85°C

1.2. Connection Specifications

Connector: SMA male plastic black jagged

1.3. Mechanical Specifications and Dimensions

Material: ABS, PA
 Max. dimensions: 10mm x 113mm (D x H)
 Weight: 13 g 'weight counted with cable above'
 Colour: Black (for different colours please ask our sales team)

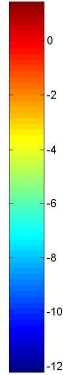
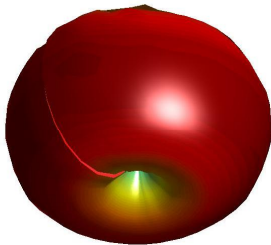


2. MEASUREMENT

- Measured straight on then test platform without ground plane
- Antenna is ground plane independent

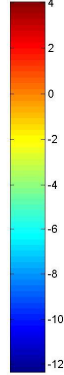
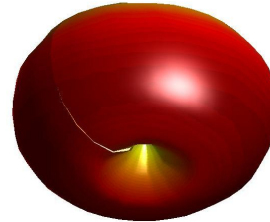
868MHz

Freq = 0.8700GHz Az= 45 EL= -45



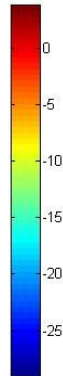
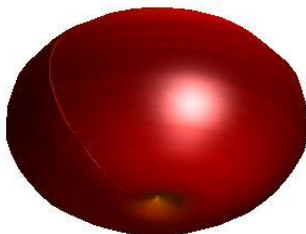
900MHz

Freq = 0.9GHz Az= 45 EL= -45



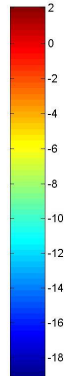
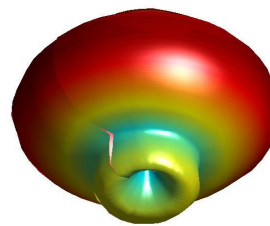
915MHz

Freq = 0.92GHz Az= 45 EL= -45



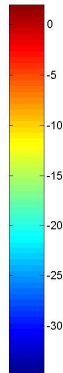
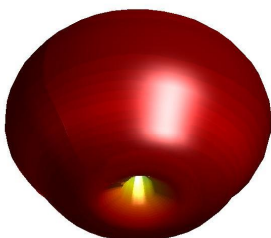
1800MHz

Freq = 1.8GHz Az= 45 EL= -45



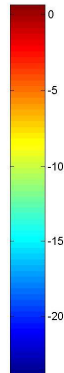
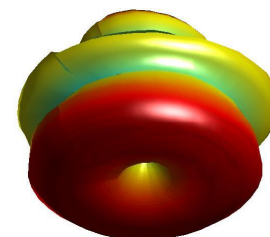
1900MHz

Freq = 1.9GHz Az= 45 EL= -45



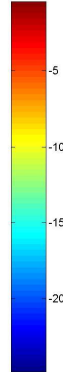
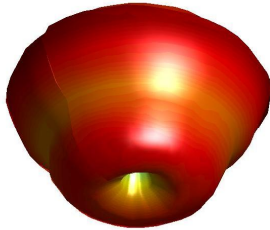
2100MHz

Freq = 2.1GHz Az= 45 EL= -45



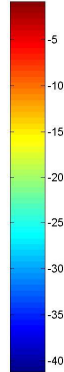
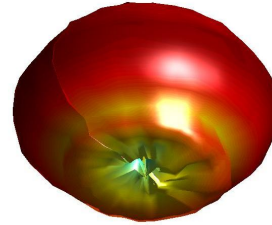
2440MHz

Freq = 2.44GHz Az= 45 EL= -45



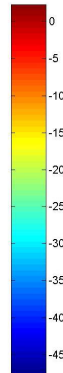
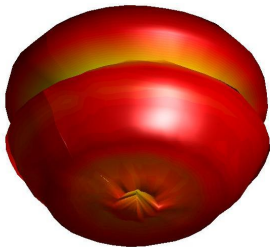
5GHz

Freq = 5GHz Az= 45 EL= -45

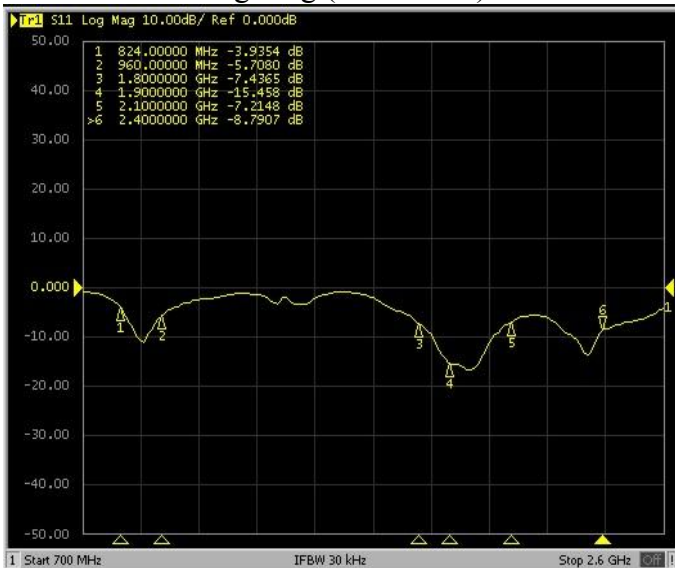


5.9GHz

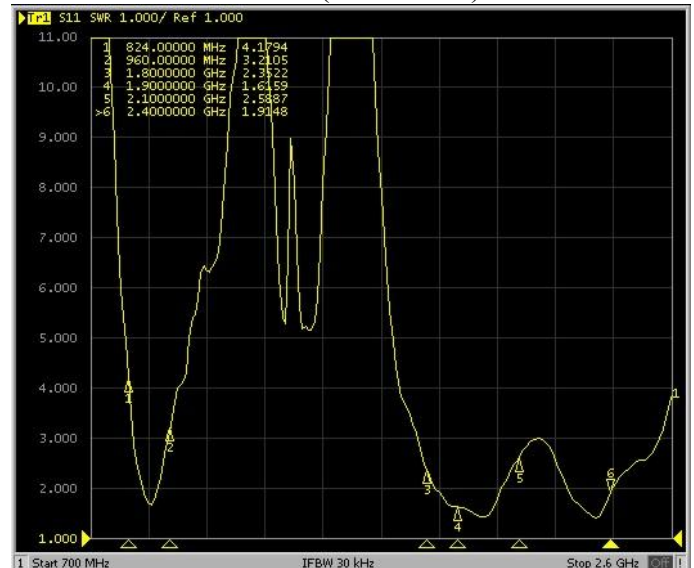
Freq = 5.9GHz Az= 45 EL= -45



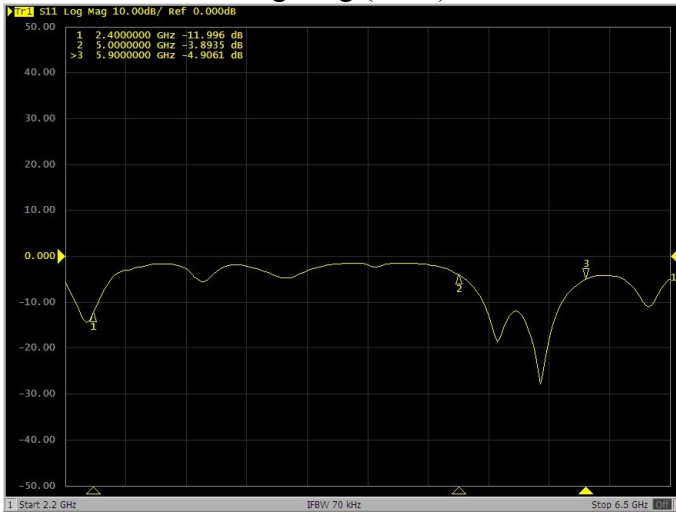
Log Mag (Penta band)



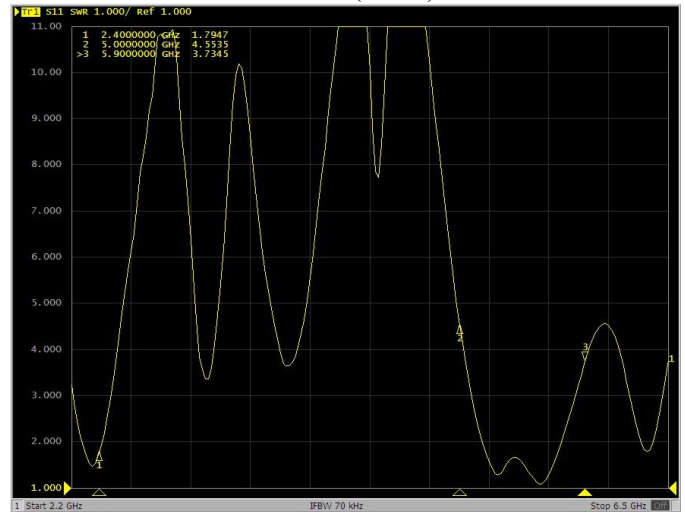
VSWR (Penta band)



Log Mag (WiFi)



VSWR (WiFi)



3. IMAGES

