


2JW031

(DATASHEET)

Type	Multiband antenna
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 (5.1 - 5.9 GHz)
Mounting	Telematic Mount
Revision	00




P. Tipul


D. Noble

1. SPECIFICATION

1.1. *Electrical Specifications*

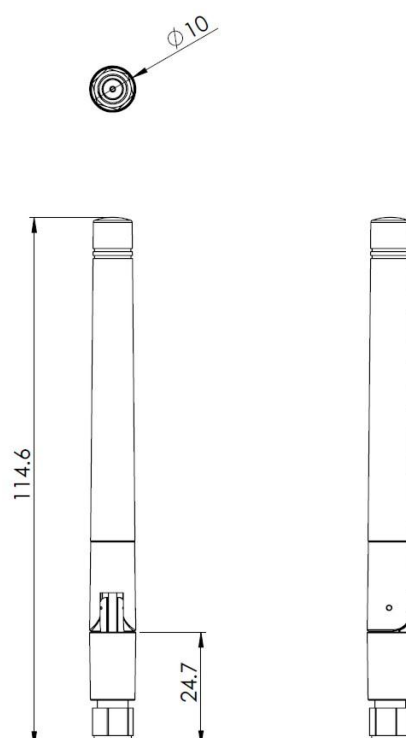
Frequencies	AMPS (824-894 MHz) ISM (868 MHz) GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz) WIFI / BLUETOOTH (2.4 GHz) WIFI (5.1 - 5.9 GHz)
Impedance	50 Ohms
Polarization	VERTICAL
Gain	3dBi Ave.
VSWR	<2.5:1
Operating temperature	-40°C to +85°C

1.2. *Connection Specifications*

Connector: SMA male

1.3. *Mechanical Specifications and Dimensions*

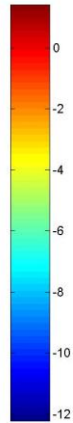
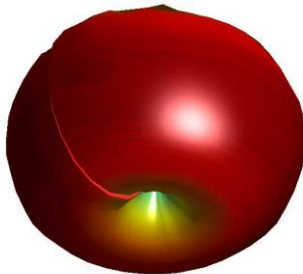
Material: ABS
 Max. dimensions: 10mm x 114.6mm (D x H)
 Weight: 13 g ‘weight counted with cable above’
 Colour: Black (for different colours please ask our sales team)



2. MEASUREMENT

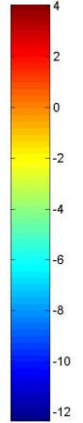
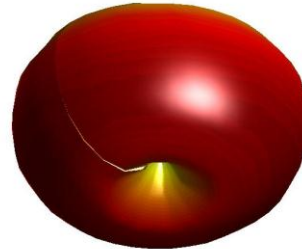
868MHz

Freq = 0.8700GHz Az= 45 EL= -45



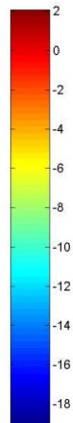
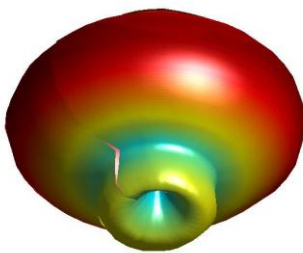
900MHz

Freq = 0.9GHz Az= 45 EL= -45



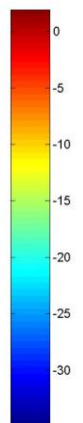
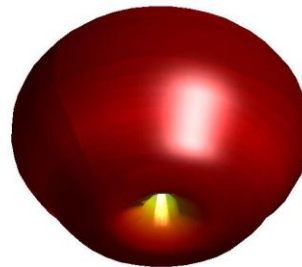
1800MHz

Freq = 1.8GHz Az= 45 EL= -45



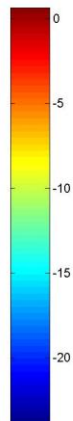
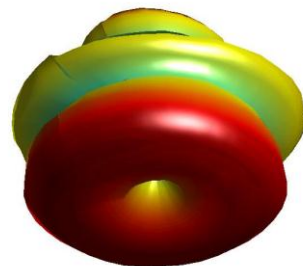
1900MHz

Freq = 1.9GHz Az= 45 EL= -45



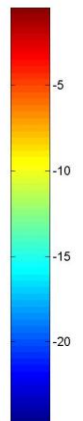
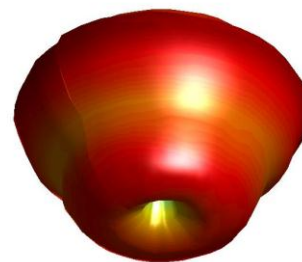
2100MHz

Freq = 2.1GHz Az= 45 EL= -45



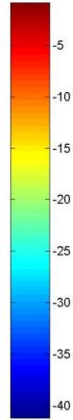
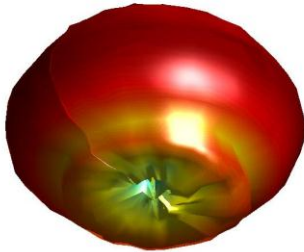
2440MHz

Freq = 2.44GHz Az= 45 EL= -45



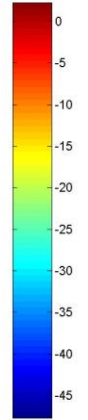
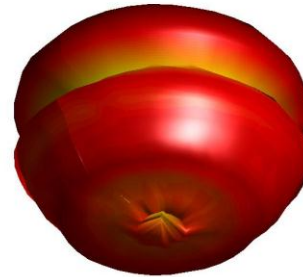
5GHz

Freq = 5GHz Az= 45 EL= -45

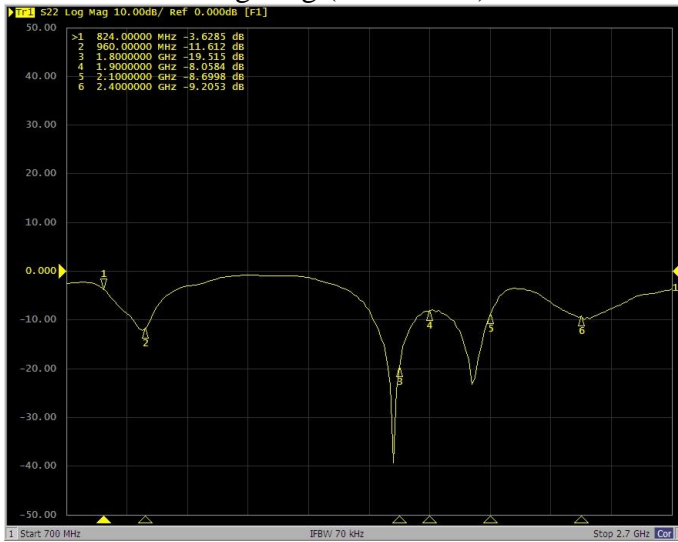


5.9GHz

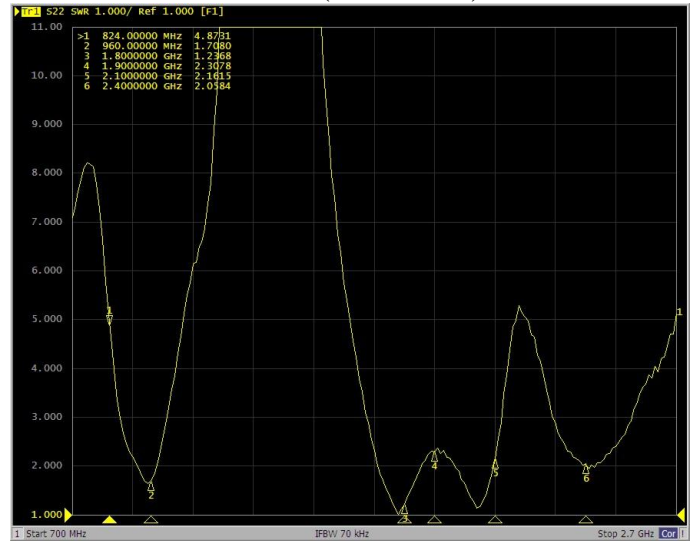
Freq = 5.9GHz Az= 45 EL= -45



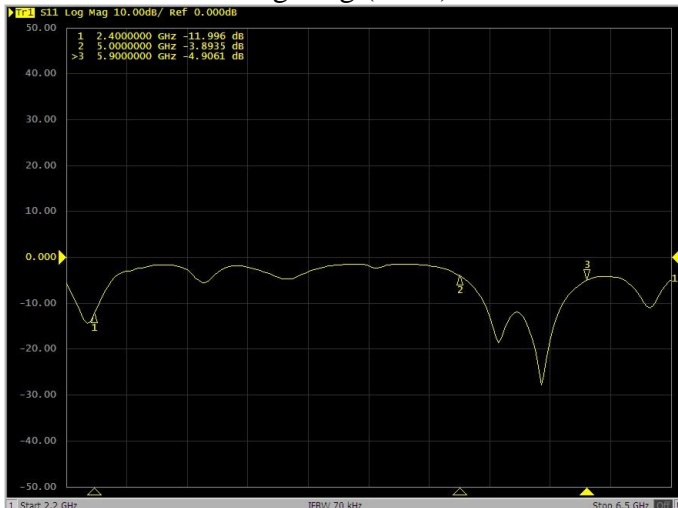
Log Mag (Penta band)



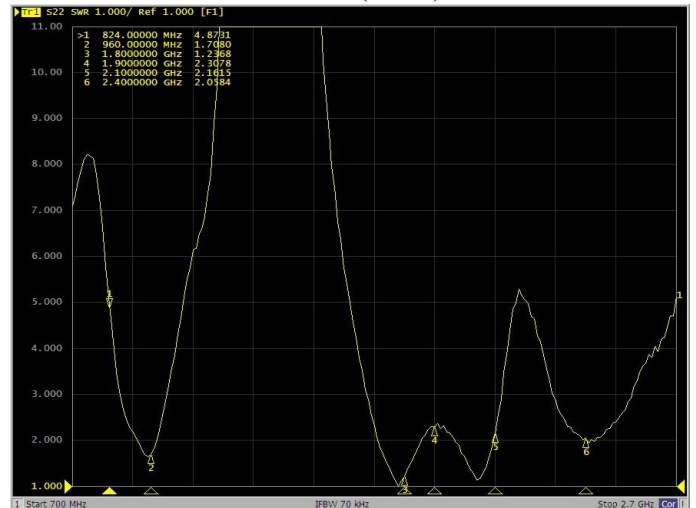
VSWR (Penta band)



Log Mag (WiFi)



VSWR (WiFi)



3. IMAGES

