

## #3618 & #3815 ANT\_Embedded\_3G\_WiFi\_BT\_UFL\_470mm

<b>Type</b>	Multiband antenna
<b>Frequencies</b>	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)
<b>Mounting</b>	Embedded Patch Mount
<b>Revision</b>	00



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)
Impedance	50 Ohms
Polarization	Linear
Gain	0dBi
VSWR	<2.5:1
Power handling	25W
Operating temperature	-40°C to +85°C

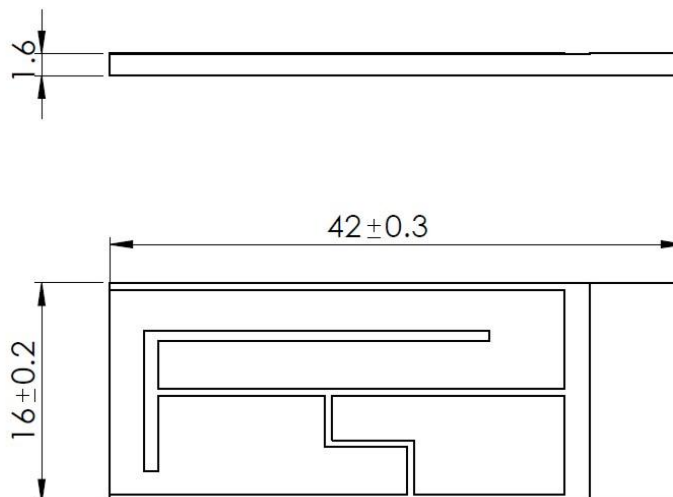
## 1.2. Connection Specifications

Connector type:	U.FL
Cable:	Microcoax 1.13
Cable length:	10 cm

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

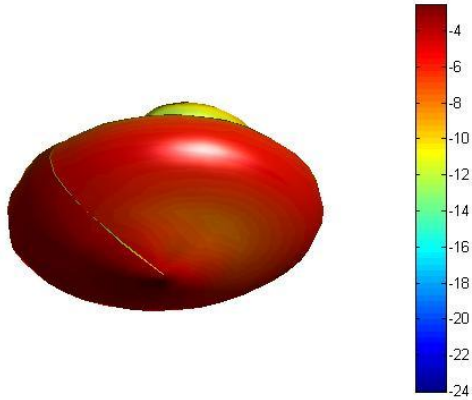
## 1.3. Mechanical Specifications and Dimensions

Material:	FR4
Max. dimensions:	16mm x 42mm x 1.6mm (H x L x T)
Weight:	2.6 g 'weight counted with cable above'

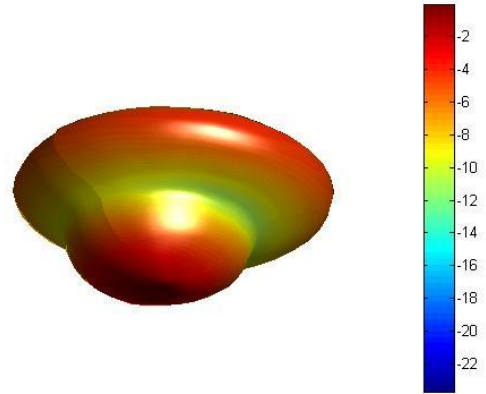


## 2. MEASUREMENT

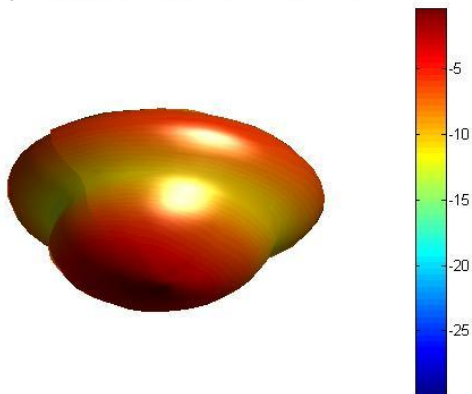
824MHz  
Freq = 0.8200GHz Az= 45 EL= -45



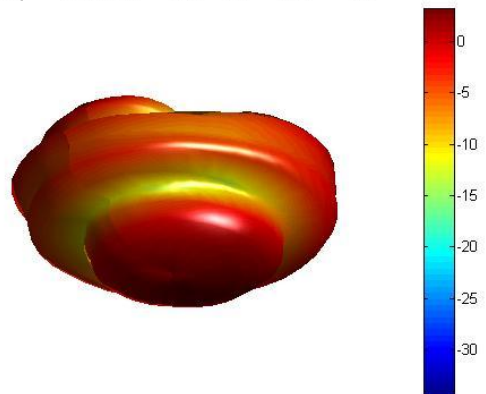
868MHz  
Freq = 0.8700GHz Az= 45 EL= -45



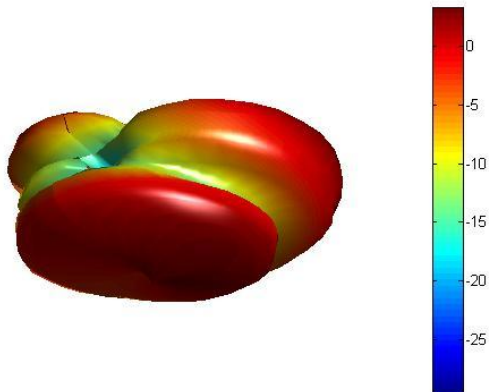
900MHz  
Freq = 0.9GHz Az= 45 EL= -45



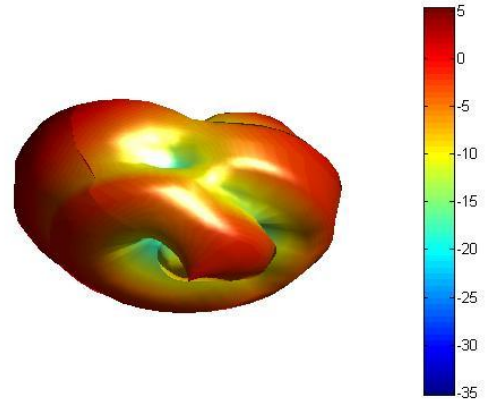
1800MHz  
Freq = 1.8GHz Az= 45 EL= -45



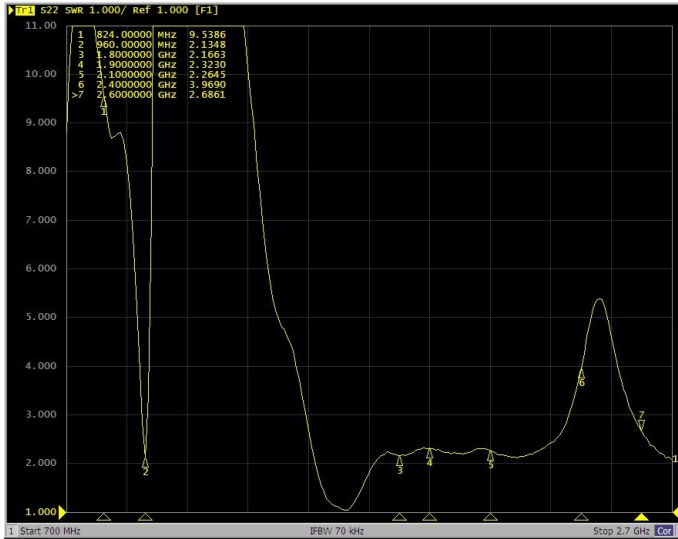
1900MHz  
Freq = 1.9GHz Az= 45 EL= -45



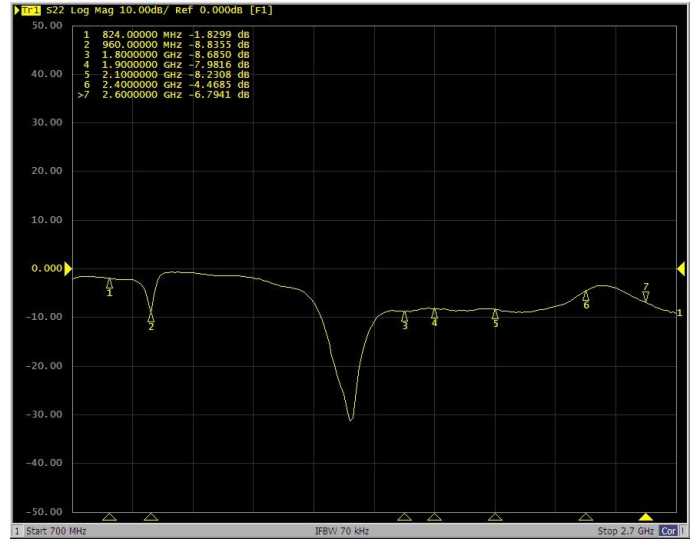
2100MHz  
Freq = 2.1GHz Az= 45 EL= -45



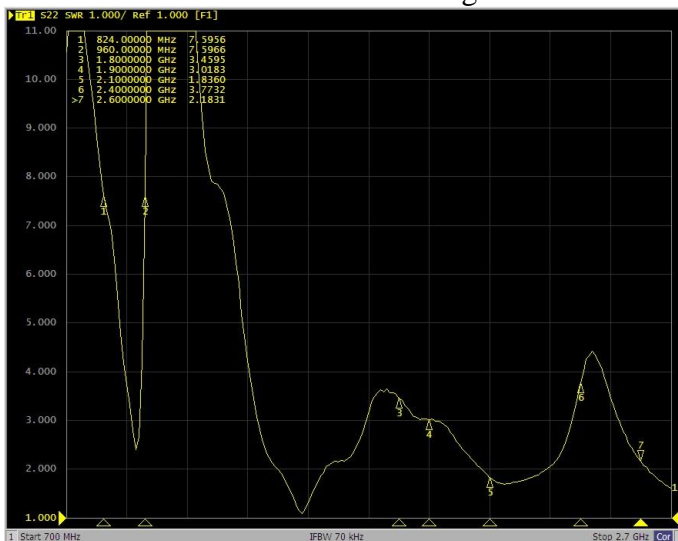
VSWR without housing



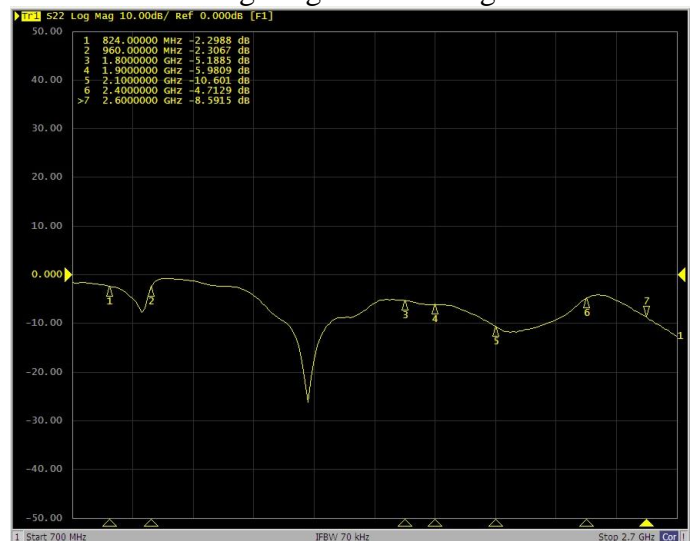
Log Mag without housing



VSWR with housing



Log Mag with housing



Tested inside housing 2J630, with 10cm cable length.

Tested inside housing 2J630, with 10cm cable length.

### 3. IMAGES

