

# DATASHEET

<b>Type</b>	GSM/WiFi 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>	Glass Mount Patch Mount
<b>Part No.</b>	<b>2J500</b>
<b>Revision</b>	00





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## 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	<2:1
Power handling	25W
Operating temperature	-40°C to +85°C

### 1.2. Connection Specifications

#### 1.2.1. Default (recommended)

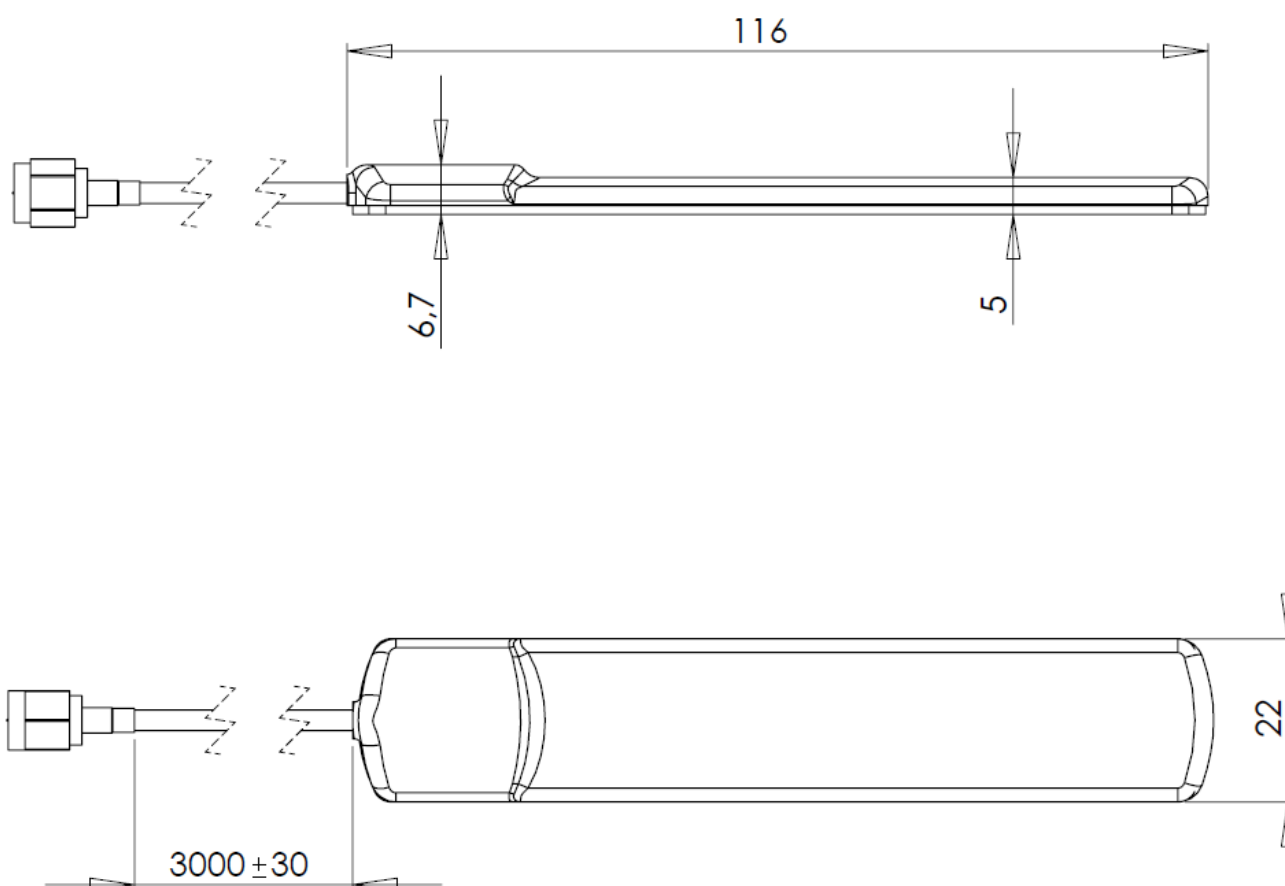
Connector type:	FME female
Cable:	RG174
Cable length:	250 cm

### 1.2.2. Optional

Suitable cables: RG174, RG316  
Cable length: min. 80 cm  
Suitable connectors: All connectors suitable for cables above

### 1.3. Mechanical Specifications and Dimensions

Material: ABS  
Max Dimensions: 7mm x 116.5mm x 22mm (H x L x W)  
Weight: 55 g 'counted with default connection'  
Color: Black (for different colours please ask our sales team)

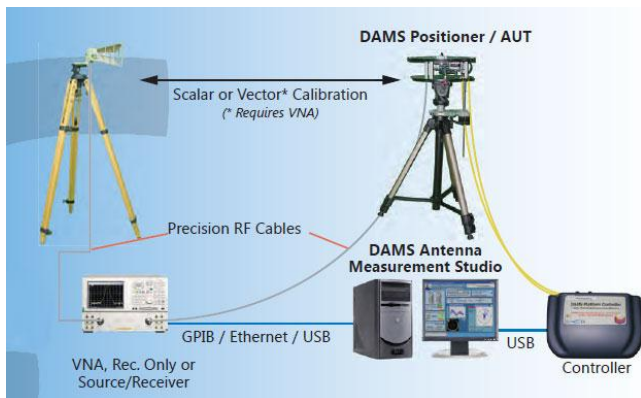


## 2. MEASUREMENT

### 2.1. Set for Measurements

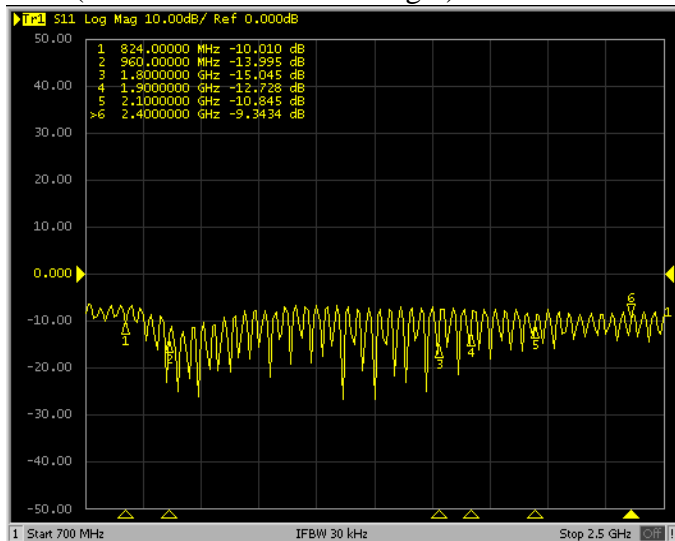
Connection: Used default cable length and connection.  
 Temperature: 25 °C  
 Input power: 0 dBm

DAMS positioner with AUT and reference antenna are placed in anechoic chamber

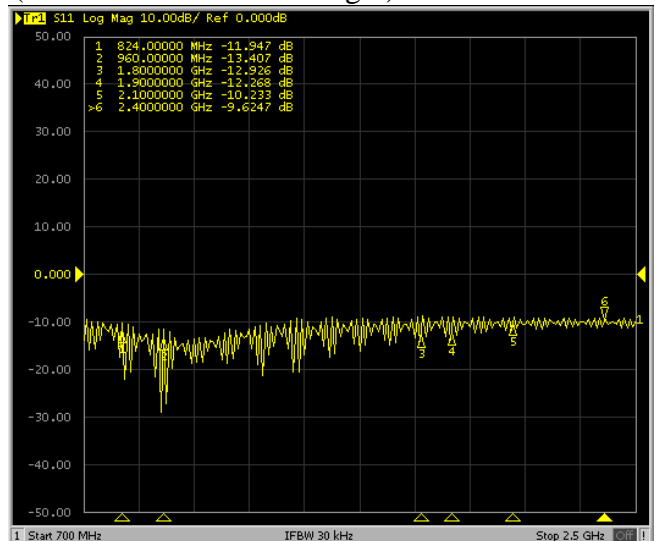


### 2.2. Electrical Characteristics

S11: (Tested with 3m cable length)



(Tested with 3m cable length)



## 3. PLACEMENT RECOMMENDATIONS

- Clean flat surfaces
- Tuned for working on glass
- Don't cover with any materials

## 4. IMAGES

