

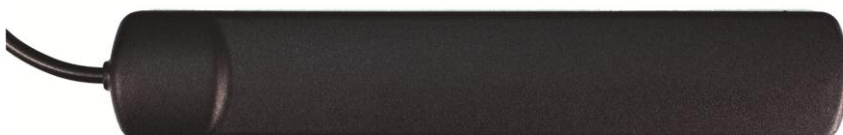
2J500LR

(Datasheet)

Type
Frequencies

Multiband Antenna
TETRA (380 - 500 MHz)
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)
Glass Mount
00

Mounting
Revision



P. Tipul



D. Noble

1. SPECIFICATION

1.1. Electrical Specifications

Frequencies	TETRA (380 - 500 MHz) 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	2.2dBi
VSWR	<2:1
Power handling	25W
Operating temperature	-40°C to +85°C
Diagnostic resistor	10K Ohm (+/- 5%)

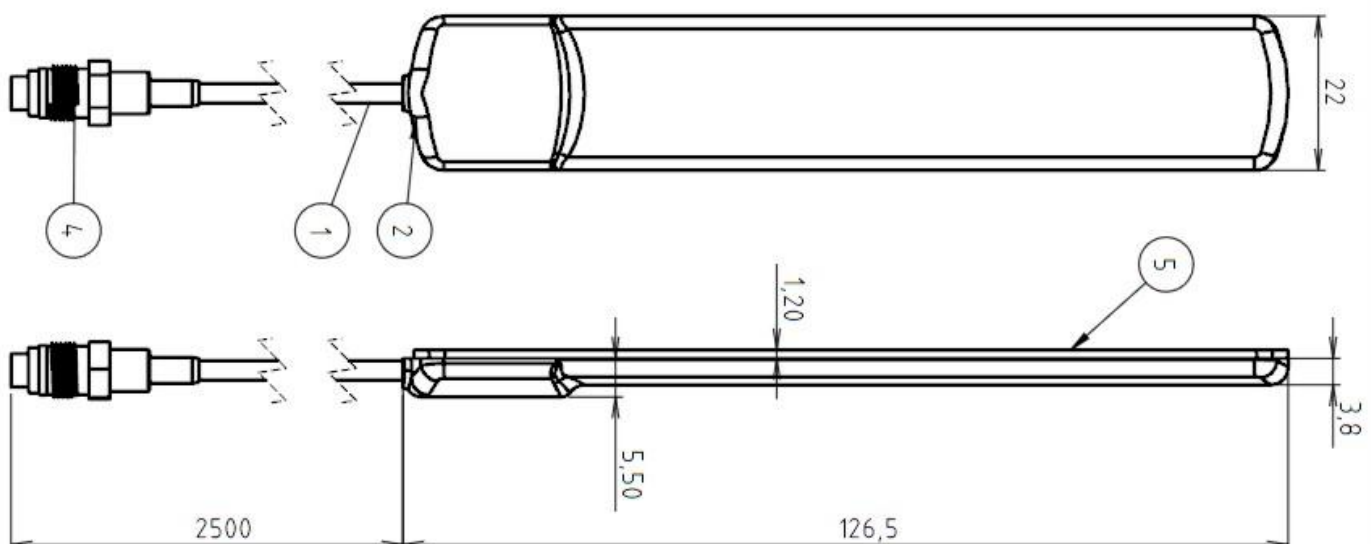
1.2. Connection Specifications

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

For different cable or connector type please ask our sales team.

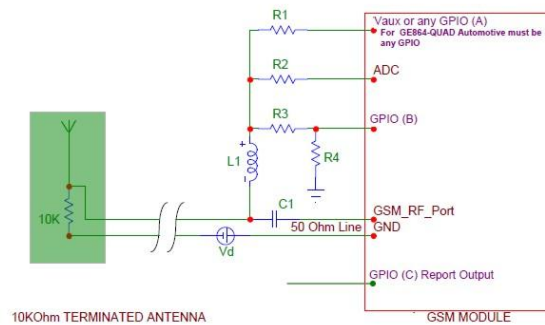
1.3. Mechanical Specifications and Dimensions

Material: ABS
Dimensions: 6.7mm x 126.5mm x 22mm (H x L x W)
Weight: 55 g 'weight with connection lead above'
Color: Black (for different colours please ask our sales team)



2. ANTENNA CONNECTION

Antenna is terminated with 10k Ohm (+/- 5%) resistor what can be used in application where you need check if antenna is connected, or if there is open circuit. On the picture below you can see example of connecting antenna into that circuit.

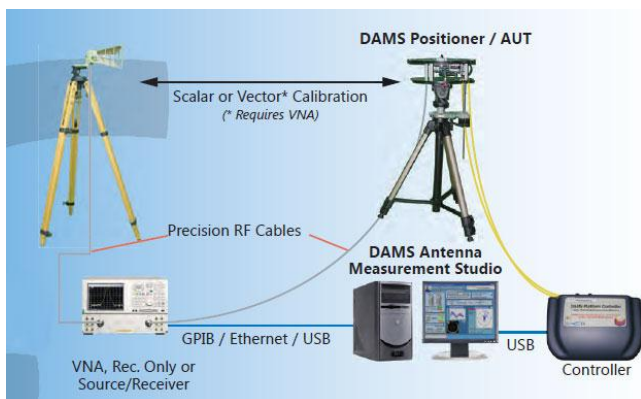


3. MEASUREMENT

3.1. Set for Measurements

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

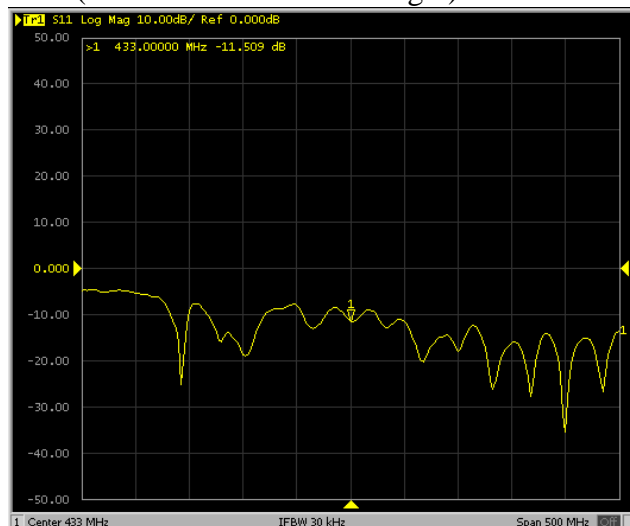
DAMS positioner with AUT and reference antenna are placed in anechoic chamber



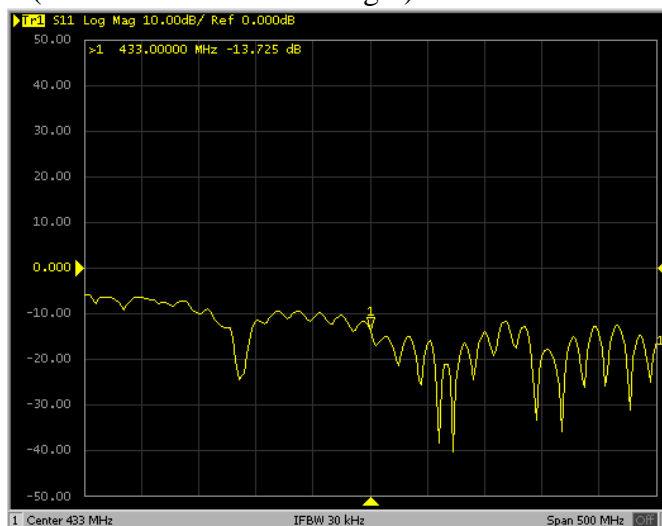
3.2. Electrical Characteristics

3.2.1. Tetra

S11: (Tested with 3m cable length)

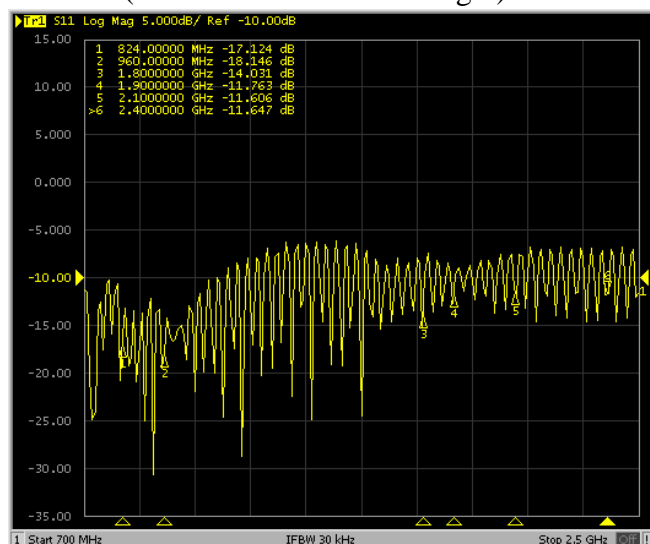


(Tested with 5m cable length)

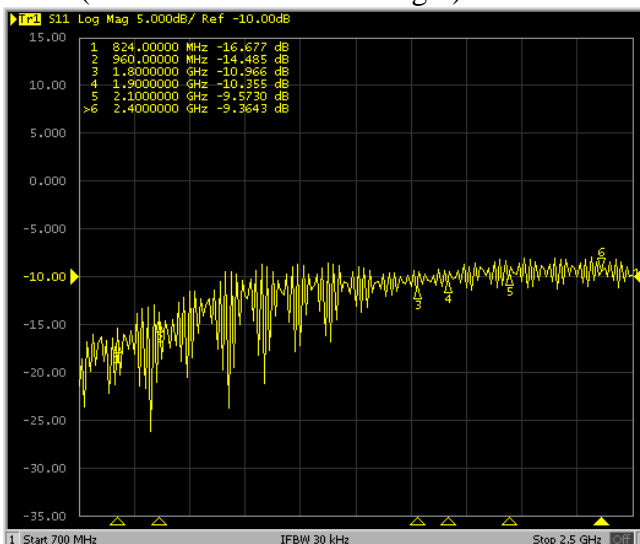


3.2.2. Quad Band + WiFi

S11: (Tested with 3m cable length)



(Tested with 5m cable length)



4. PLACEMENT RECOMMENDATIONS

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

5. IMAGES

