


# 2J7510B 2J7510M (DATASHEET)

**Type**  
**Frequencies**  
**Mounting**

Tetra antenna  
TETRA (380 - 500 MHz)  
**B**-Body Mount  
**M**-Magnetic Mount  
00

**Revision**



  
**P. Tipul**

  
**D. Noble**

## 1. SPECIFICATION

### 1.1. Electrical Specifications

Frequencies	TETRA (380 - 500 MHz)*
Impedance	50 Ohms
Polarization	VERTICAL
Gain	2dBi
VSWR**	<2:1
Power handling	50W
Power (max.)	138mW
Operating temperature	-40°C to +85°C
Certificates	IP67

\*Center frequency can be tuned from 380 to 500MHz with 90MHz bandwidth at -10dB

\*\*Values stated when measured on 20x20cm ground plane with 30cm cable length

### 1.2. Connection Specifications

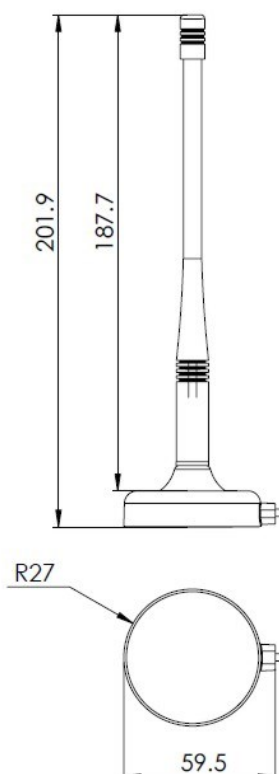
Connector type:	SMA male
Cable:	RG174
Cable length:	250 cm

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

### 1.3. Mechanical Specifications and Dimensions

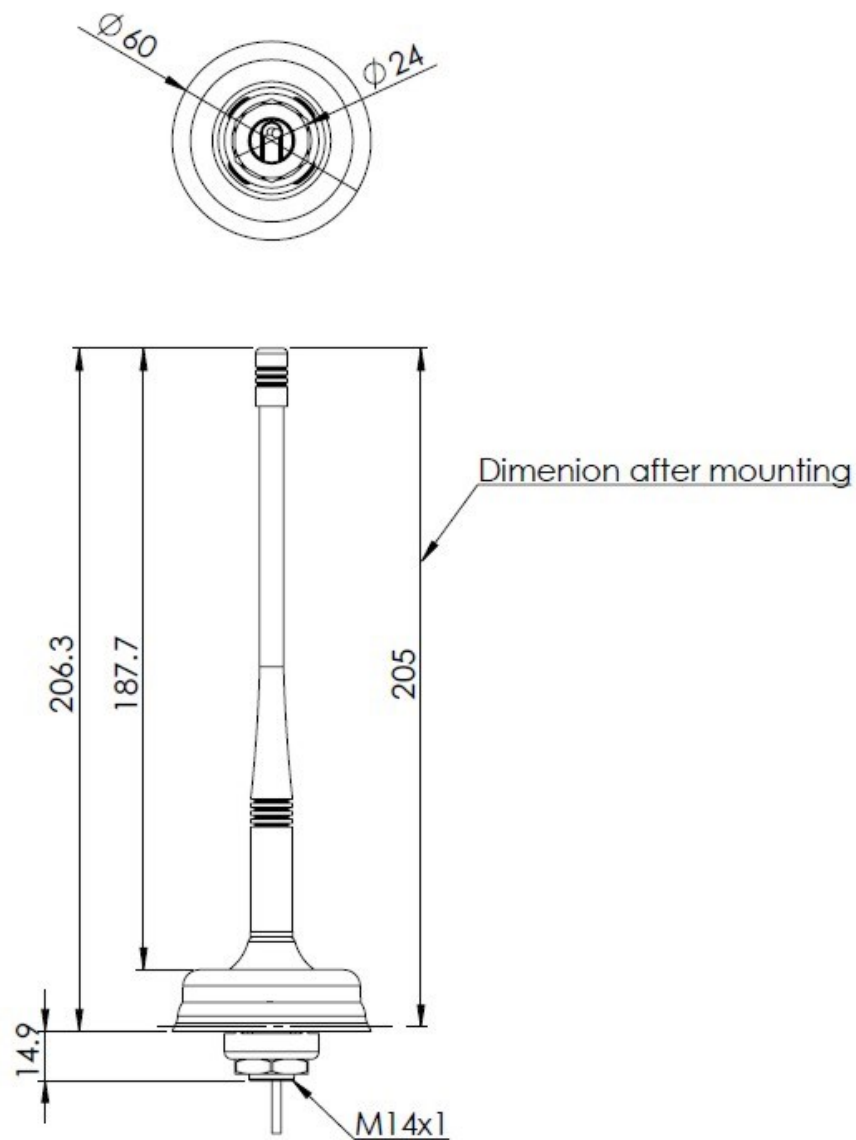
#### 1.3.1. 2J7510M

Material:	Base: Zamak / Lid: ABS / Whip: TPE
Max. dimensions:	54mm x 201.9mm
Colour:	Black (for different colours please ask our sales team)



### 1.3.2. 2J7510B

Material: Base: Zamak / Lid: ABS / Whip: TPE  
 Max. dimensions: 60mm x 205mm (dimensions after mounting)  
 Colour: Black (for different colours please ask our sales team)

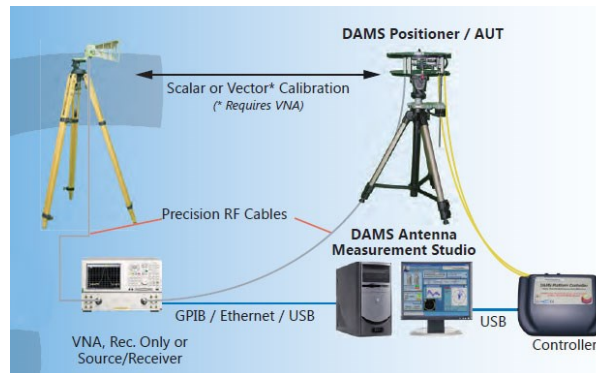


## 2. MEASUREMENT

### 2.1. Set for Measurements

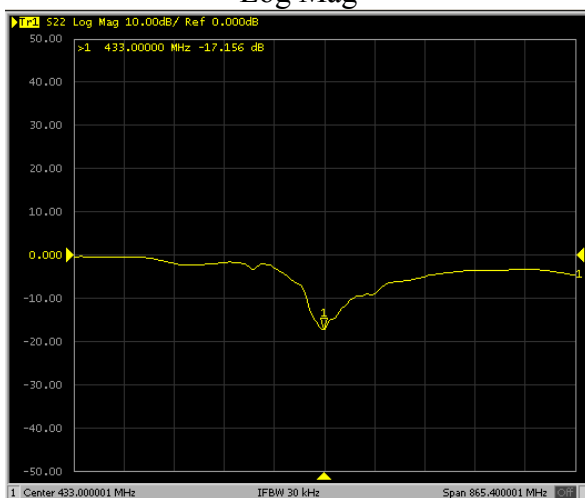
Connection: 30cm RG174  
 Temperature: 25 °C  
 Input power: 0 dBm

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

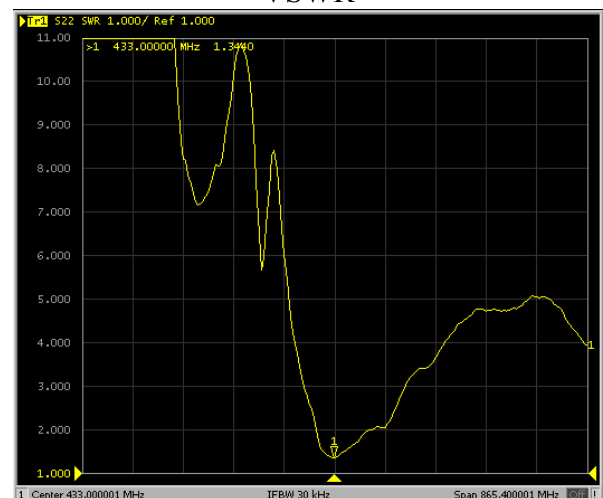


### 2.2. Electrical Characteristics

Log Mag



VSWR



Freq = 0.4330GHz Az= 45 EL= 45

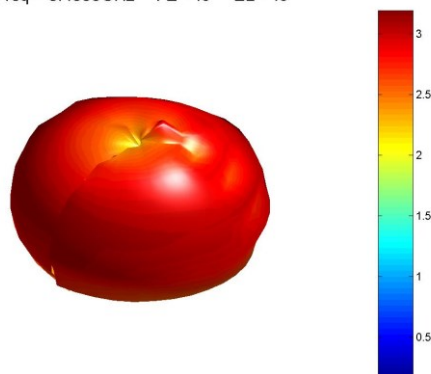


Figure 1 - 3D radiation pattern