



2J7510B 2J7510M (DATASHEET)

Type	Tetra antenna
Frequencies	TETRA (380 - 500 MHz)
Mounting	B -Body Mount M -Magnetic Mount
Revision	00




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

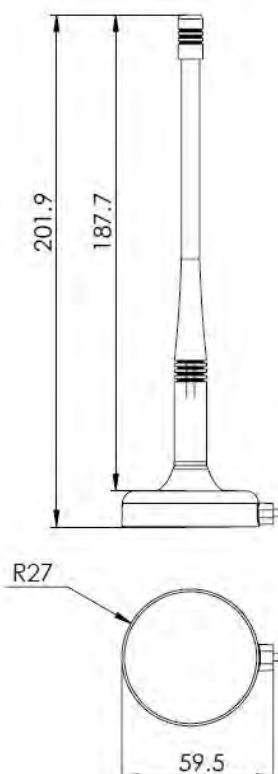
Connector type: SMA male
 Cable: RG174
 Cable length: 250 cm

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

1.3. Mechanical Specifications and Dimensions

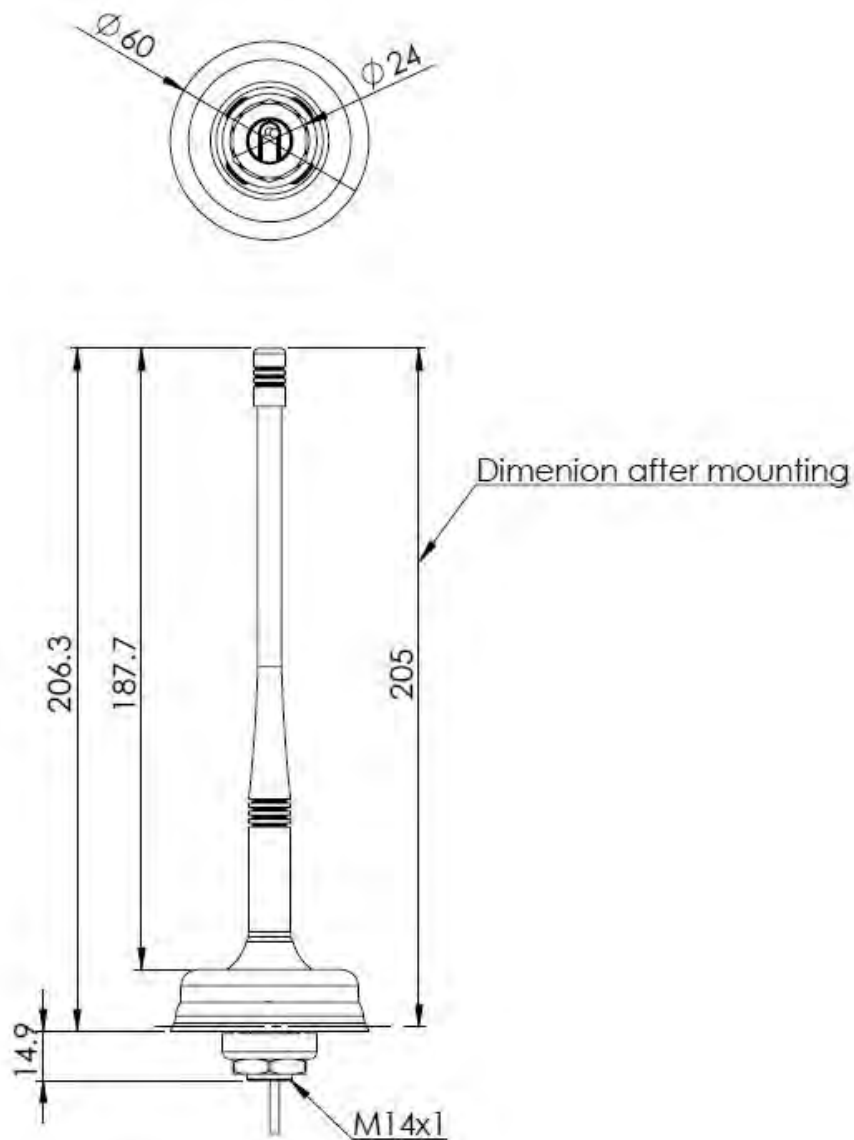
1.3.1. 2J7510M

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)

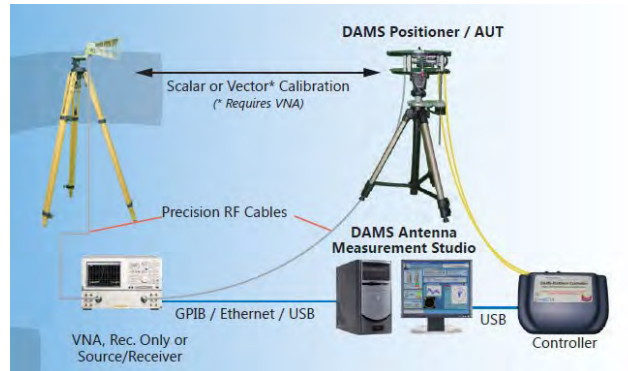


2. MEASUREMENT

2.1. Set for Measurements

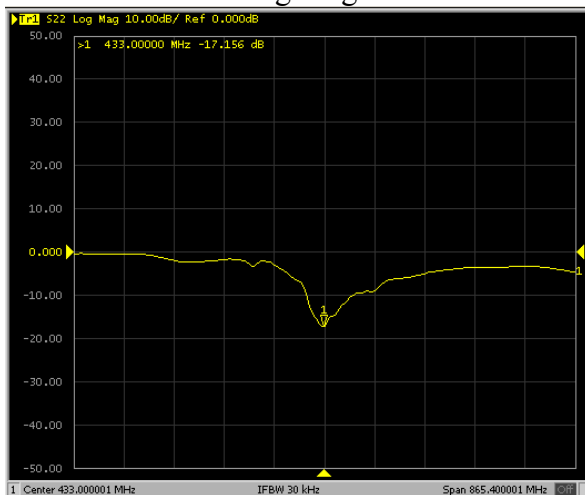
Connection: 30cm RG174
 Temperature: 25 °C
 Input power: 0 dBm

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

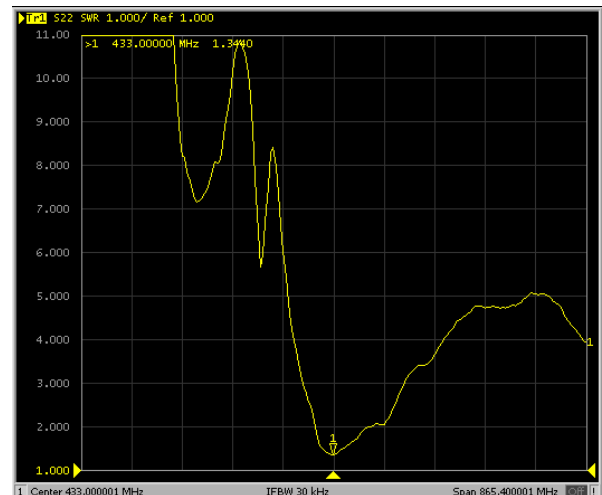


2.2. Electrical Characteristics

Log Mag



VSWR



Freq = 0.4330GHz Az= 45 EL= 45

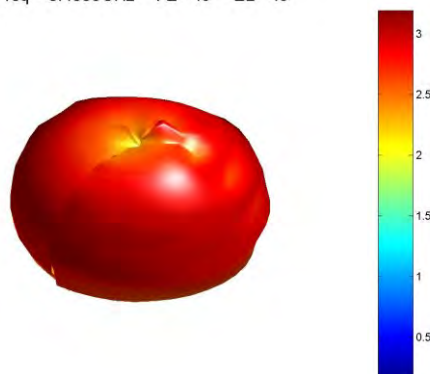


Figure 1 - 3D radiation pattern