


# DATASHEET

<b>Type</b>	Tetra antenna
<b>Frequencies</b>	TETRA (380 - 500 MHz)
<b>Mounting</b>	Body Mount Magnetic Mount
<b>Part No.</b>	<b>2J6510B</b> <b>2J6510M</b>
<b>Revision</b>	00



  
P. Tipul

  
D. Noble

# 1. SPECIFICATION

## 1.1. Electrical Specifications

Frequencies	TETRA (380 - 500 MHz)*
Impedance	50 Ohms
Polarization	Linear
Gain	6 dBi
Bandwidth	15 MHz +/- 5 MHz
VSWR	<2:1
Power handling	50 W
Operating temperature	-40 °C to +85 °C

\* Center frequency can be tuned between 380-500 MHz

## 1.2. Connection Specifications

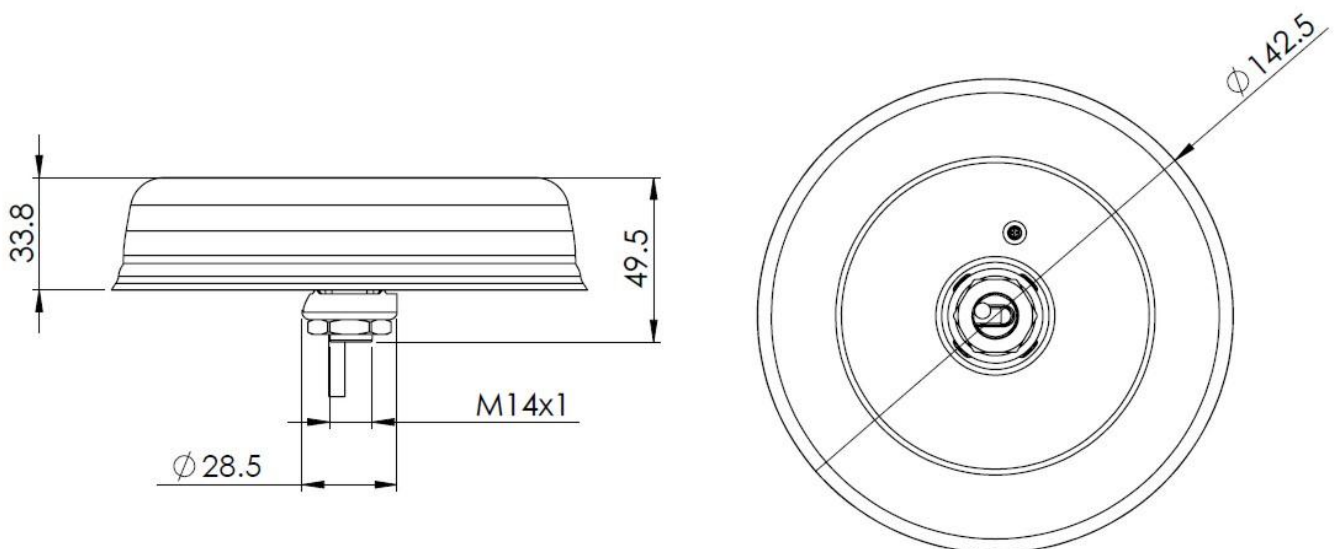
Connector type: FME female  
 Cable: RG58  
 Cable length: 15cm

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

## 1.3. Mechanical Specifications and Dimensions

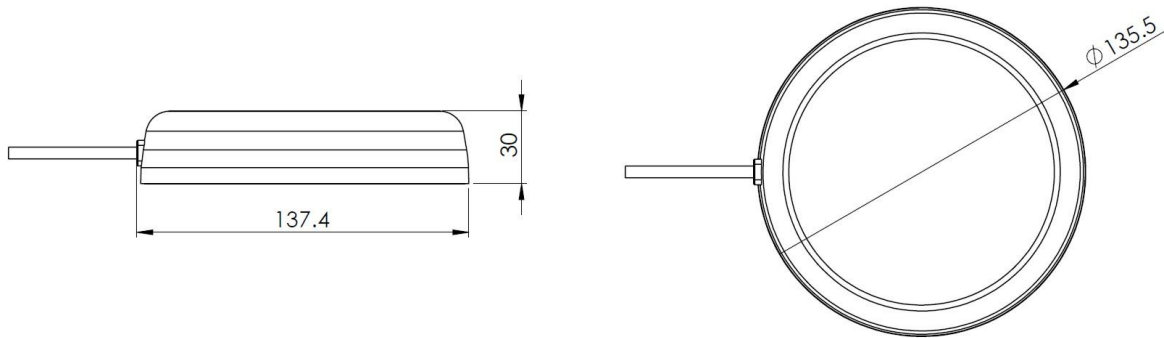
### 1.3.1. Body mount (2J6510B)

Material: Lid: ABS / Base: Zamak / Gasket: TPE  
 Max. dimensions: 142.6 mm x 49.5 mm  
 Weight: 450 g 'weight counted with connection above'  
 Colour: Black / Green / White (for different colours please ask our sales team)



### 1.1.1. Magnetic mount (2J6510M)

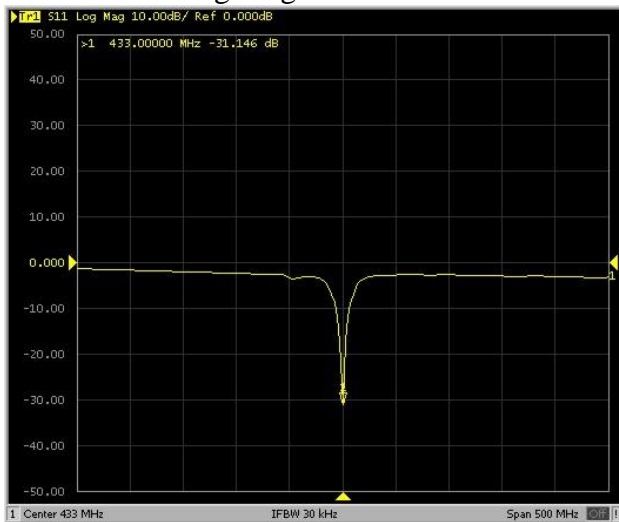
Material: Lid: ABS / Base: Zamak / Gasket: TPE  
 Max. dimensions: 135.5mm x 30mm  
 Colour: Black / Green / White (for different colours please ask our sales team)



## 2. MEASUREMENT

- Measured on a 45 cm x 45 cm groundplane with 1m cable length.

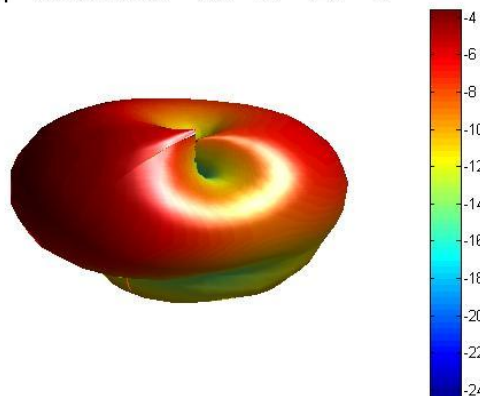
Log Mag at 430MHz



VSWR at 430MHz



- Measured on a 20 cm x 20 cm groundplane with 15cm cable length.  
 Freq = 0.4300GHz Az= 45 EL= 45



### 3. IMAGES

