




2J7529B 2J7529M (DATASHEET)

Type	Combined antenna
Frequencies	ORBCOMM (137-150 MHz) GPS (1575.42 MHz) GLONASS (1592 - 1610 MHz)
Mounting	B - Body Mount M – Magnetic Mount
Revision	00




P. Tipul


D. Noble



1. PRODUCT SELECTOR

- 2J7529B - Body mount version
- 2J7529M - Magnetic mount version

2. SPECIFICATION

2.1. *Electrical Specifications*

Navigation (Cable 1)

Frequencies	GPS (1575.42 MHz) GLONASS (1592 - 1610 MHz)
Impedance	50 Ohms
Noise figure	1.15 nominal
Polarization	RHCP
LNA Gain	26dB (3V) / 27dB (5V)
VSWR	<1.2:1
Voltage supply	2.7V - 5.5V
Current	15mA - 25mA
Power (max.)	138mW
Operating temperature	-40°C to +85°C

Smart Meter (Cable 2)

Frequencies	ORBCOMM (137-150 MHz)
Impedance	50 Ohms
Polarization	Linear
Gain	0dBi Max.
VSWR	<2:1
Operating temperature	-40°C to +85°C

2.2. *Connection Specifications*

Cable 1 (Navigation):

- Connector type: SMA male
- Cable: RG174U
- Cable length: 250 cm

Cable 2 (Satellite phone):

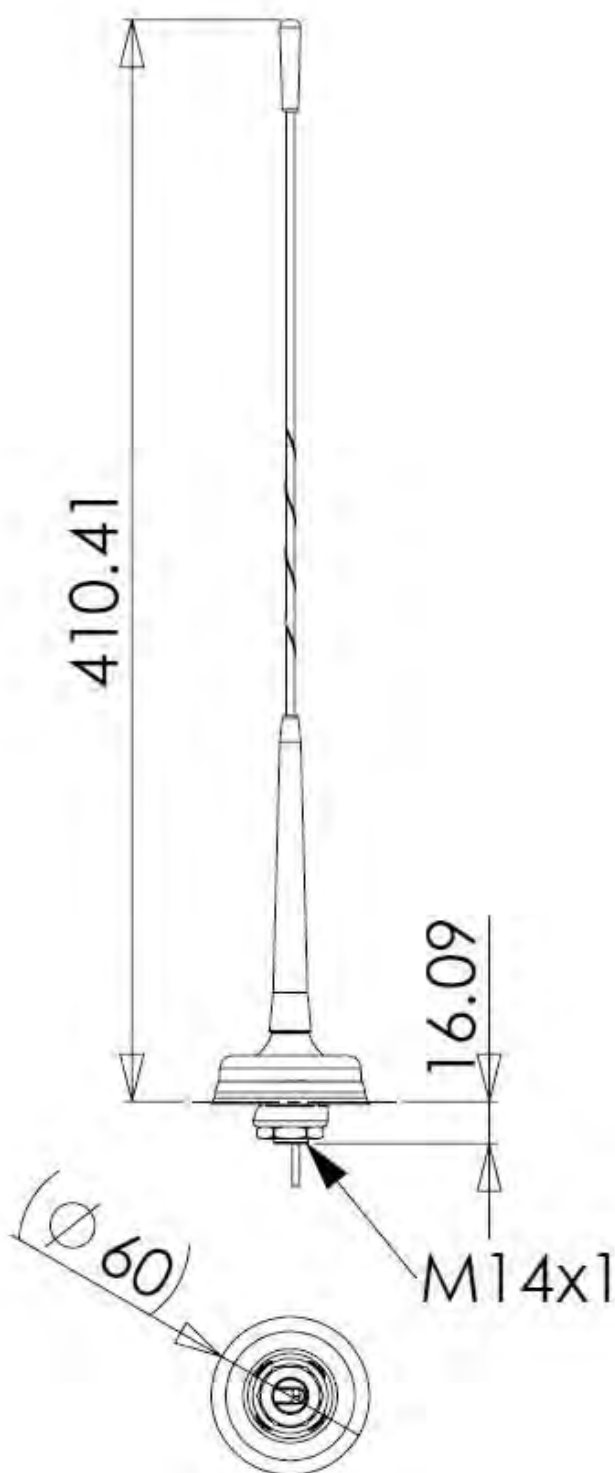
- Connector type: FME male
- Cable: RG174LL
- Cable length: 250 cm

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

2.3. Mechanical Specifications and Dimensions

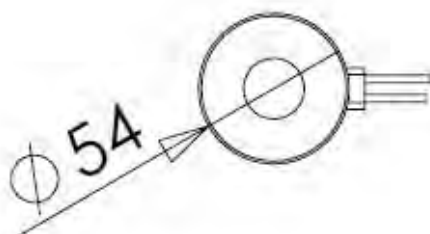
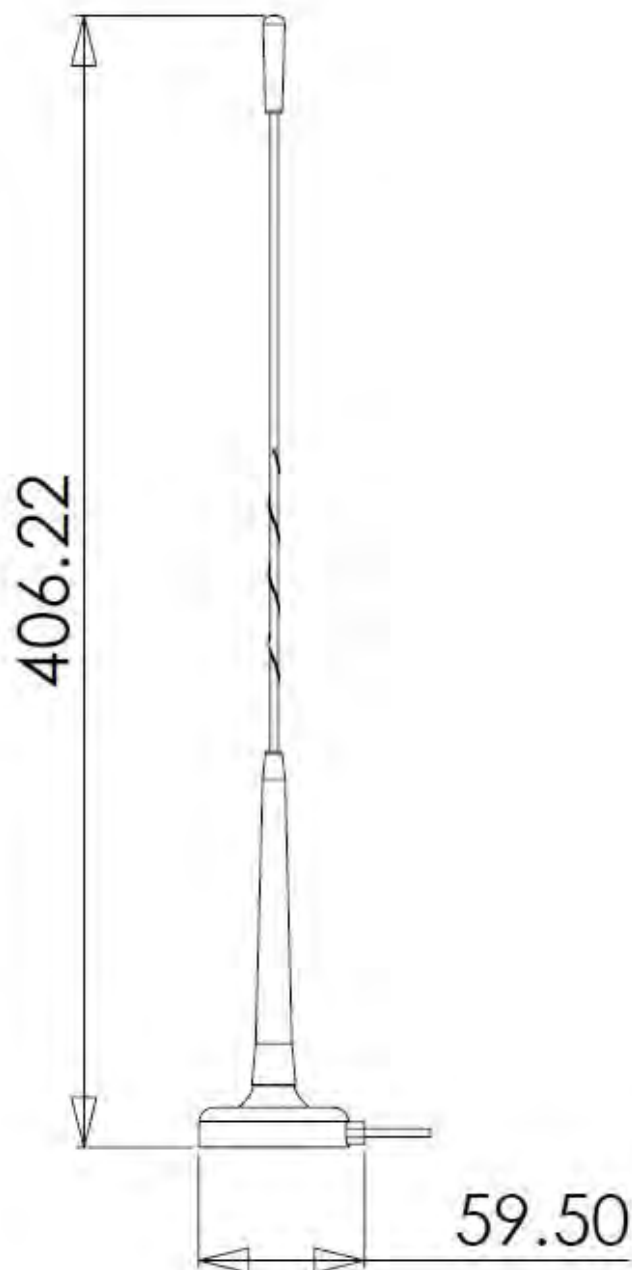
2.3.1. Body mount (2J7529B)

Material: Base: Zamak / Lid: ABS / Whip: TPE / Gasket: TPE
Max. dimensions: 60mm x 410.41mm (D x H – after mounting)
Colour: Black (for different colours please ask our sales team)



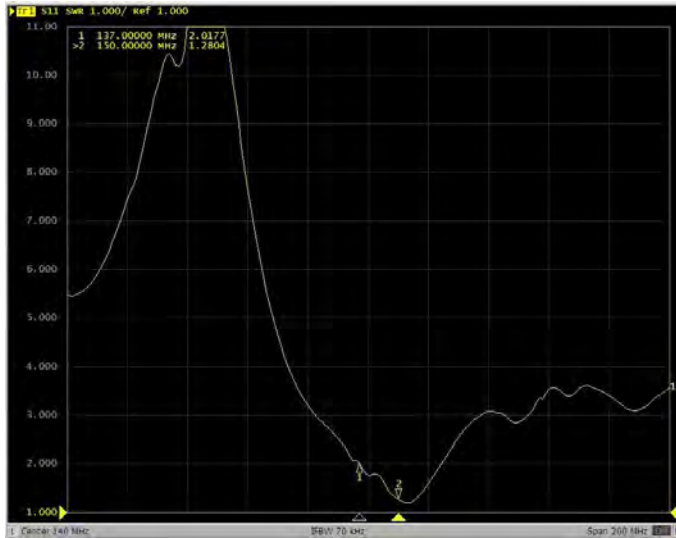
1.1.1. Magnetic mount (2J7529M)

Material: Base: Zamak / Lid: ABS / Whip: TPE
Max. dimensions: 54mm x 406.2mm (D x H)
Colour: Black (for different colours please ask our sales team)



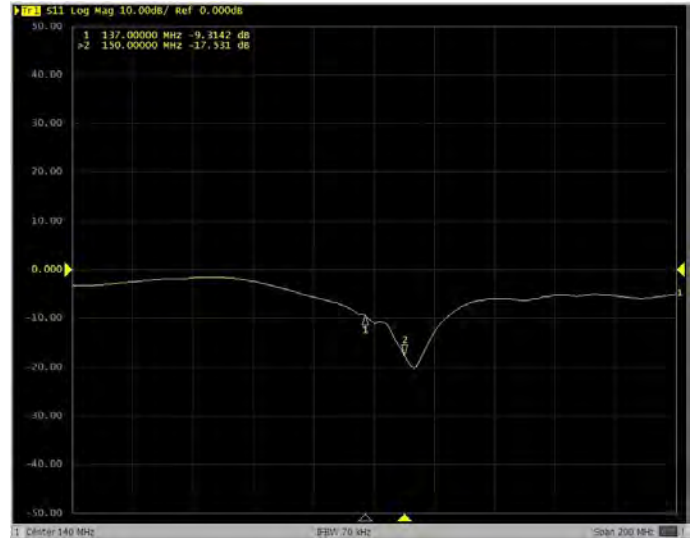
2. MEASUREMENT

VSWR (ORBCOMM)



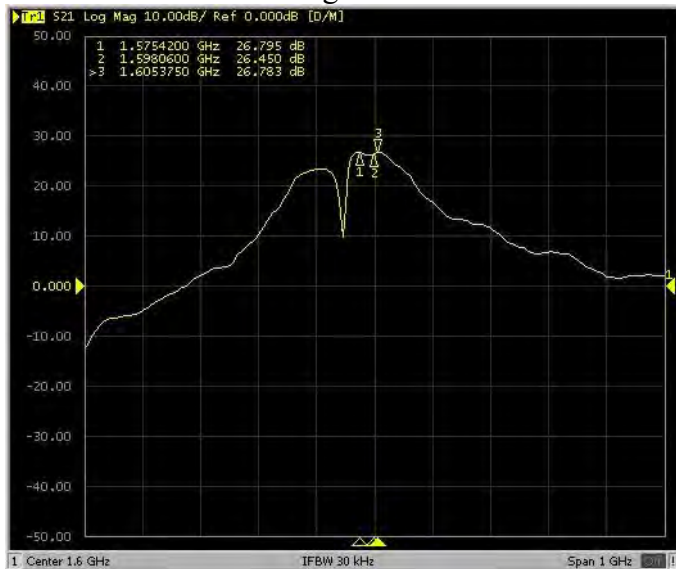
Tested with 30cm cable length.

Log Mag (ORBCOMM)



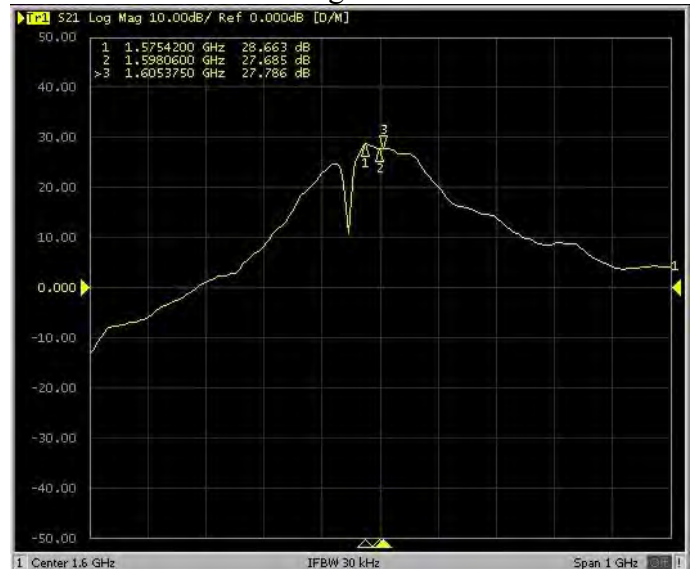
Tested with 30cm cable length.

GNSS gain at 3V



Tested with 30cm cable length.

GNSS gain at 5V



Tested with 30cm cable length.



3. IMAGES

