

2J7929MG

ORBCOMM and GNSS Magnetic Mount

Key Features

Cable 1: ORBCOMM

- 137-150 MHz

Cable 2: GPS/GLONASS/QZSS/Galileo

- 1561-1606 MHz

Magnetic Mount

High Performance

Ground Plane Dependent

Customized Cable and Connector

Dimensions Ø 54 × 406 mm

Certificates IP67, IP69



1. Antenna and electrical specifications

Parameters	ORBCOMM Antenna
Standards	ORBCOMM
Band (MHz)	143.5 MHz
Frequency (MHz)	137-150
Return Loss (dB)	~-9.4
VSWR	~2.1:1
Peak Gain (dBi)	~2.4
Impedance (Ohm)	50
Polarisation	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	25
Connector Type	SMA-Male Standard (Other Connectors Available)
Cable Length	300 cm Standard (Any Cable Length Available)
Cable Type	LL100 Standard (Other Cables Available)

Parameters	GPS/GLONASS Antenna	
Standard	GPS / GLONASS	
Band (MHz)	1575	1602
Frequency(MHz)	1575.42	1598-1610
Return Loss (dB)	<-15	
VSWR	<1.4:1	
Impedance	50	
Radiation Pattern	Hemispherical	
Polarization	RHCP	
Saw Filter	No Filter	
Active Gain (dB)	26 @ 3V / 27dB @ 5V	
Noise Figure (dB)	1.5	
Voltage (V)	2.7 - 5.5	
Current (mA)	15 - 25	
Power Consumption (mW)	40 - 137	
Connector Type	SMA-Male Standard (Other Connectors Available)	
Cable Length	300 cm Standard (Any Cable Length Available)	
Cable Type	LL100 Standard (Other Cables Available)	

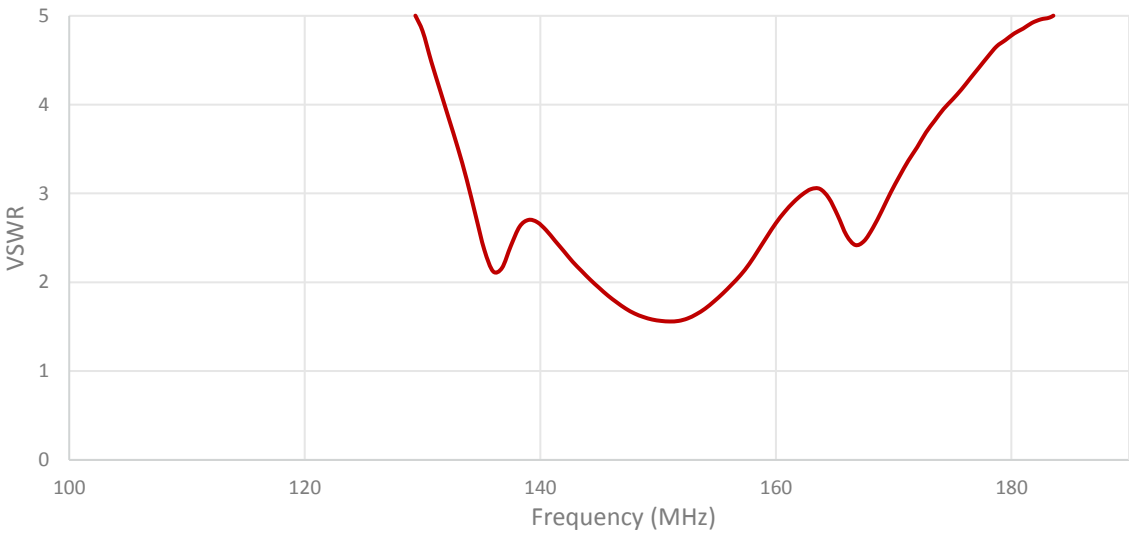
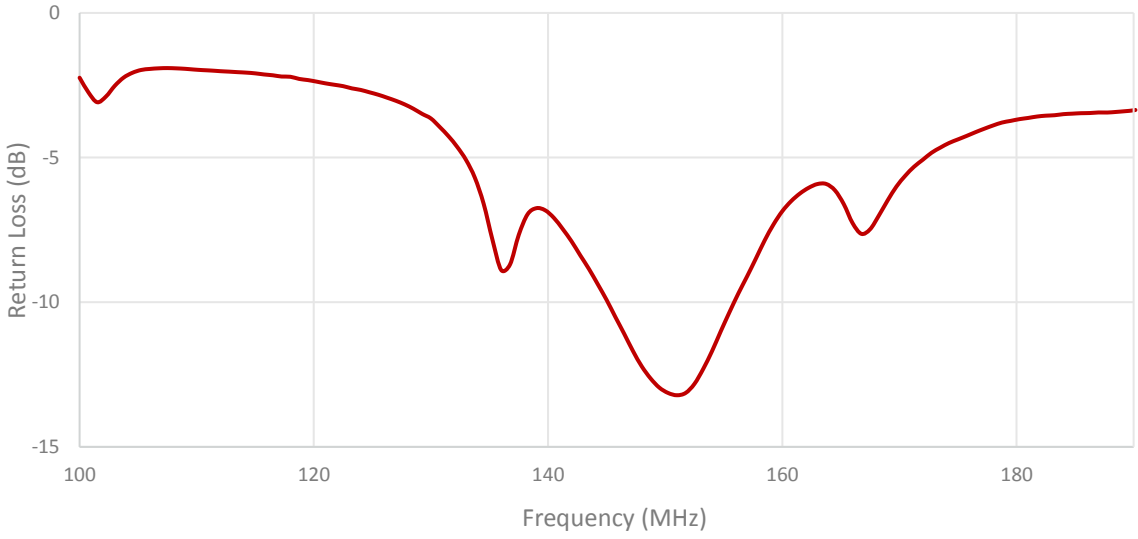
Antenna Measurement Conditions:

Mounted on 60 x 60 cm Metal Plate
200 cm LL100 Cable

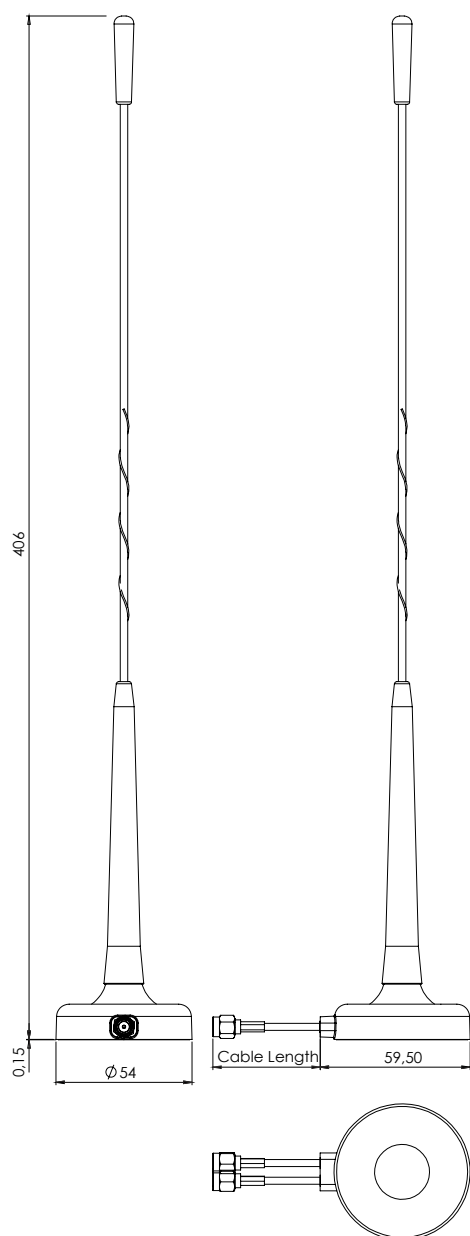
2. Mechanical and environmental specifications

Specifications	2J7929MG
Mounting Type	Magnetic Mount
Dimensions (mm)	Ø 54 × 406
Radome	ASA
Radome color	Black
Antenna Base	Zamak
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS
Certificates	IP67, IP69

3. Antenna parameters



4. Antenna drawings



Note: Dimensions are in millimeters

5. Antenna Images

