

DATASHEET

Type	GNSS Antenna
Frequencies	GPS/GLONASS (1572-1610 MHz)
Mounting	Any Surface/Magnetic Mount/Patch Mount
Part No.	J2J433G J2J433GF J2J433GFD
Revision	00



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1. PRODUCT SELECTOR:

- J2J433G:** Unfiltered version
J2J433GF: Filtered version
J2J433GFD: Filtered version with limiter diode

2. SPECIFICATION

2.1. *Electrical Specifications*

Unfiltered version:

Frequencies	GPS/GLONASS (1572-1610 MHz)
Impedance	50 Ohms
Noise figure	1.15dB
Polarization	RHCP
LNA Gain	26dB at 3V, 27dB at 5V
VSWR	<1.2:1
Voltage supply	2.7V - 5.5V
Current	15mA - 25mA
Power (max.)	138mW
Operating temperature	-40°C to +85°C

Filtered version:

Frequencies	GPS/GLONASS (1572-1610 MHz)
Impedance	50 Ohms
Polarization	RHCP
LNA Gain	23dB at 3V, 24dB at 5V
VSWR	<1.2:1
Voltage supply	2.7V - 5.5V
Current	15mA - 25mA
Power (max.)	138mW
Operating temperature	-40°C to +85°C

2.1. Connection Specifications

2.1.1. Default (recommended)

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

2.1.2. Optional

Suitable cables:	RG174, RG316
Cable length:	min. 10 cm
Suitable connectors:	All connectors suitable for cables above

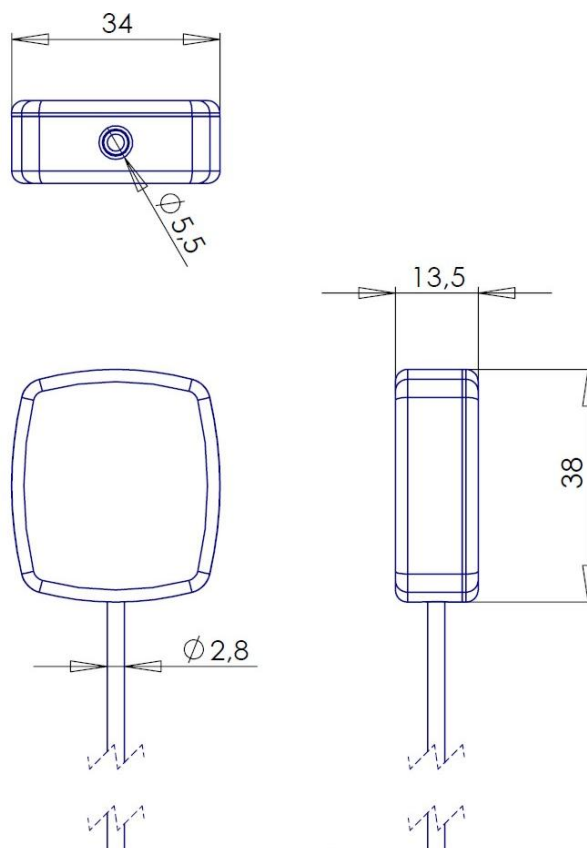
2.2. Mechanical Specifications and Dimensions

2.2.1. Mounting Type

- Any Surface
- Magnetic Mount
- Patch Mount

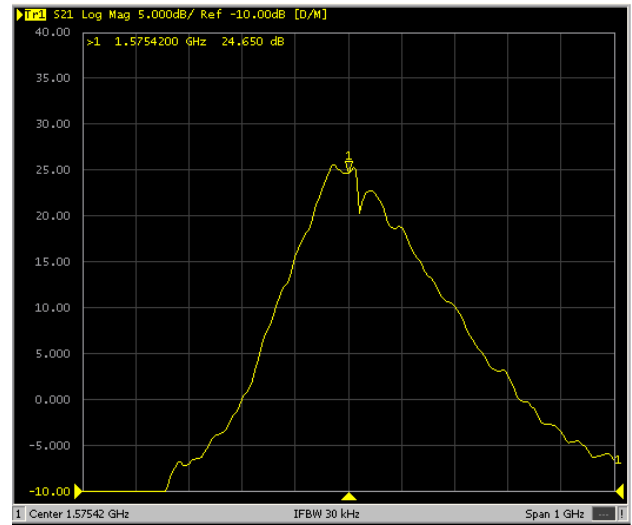
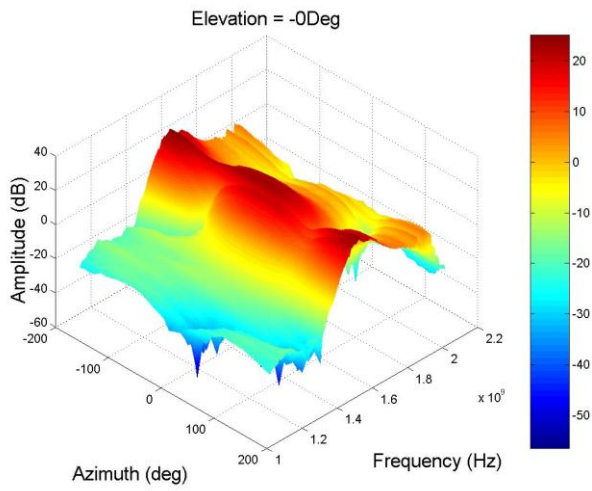
2.2.2. Mechanical Specification

Material:	ABS
Max. dimensions:	14.1mm x 38.6mm x 34.1mm (H x L x W)
Weight:	66 g 'counted with default connection'
Colour:	Black (for different colours please ask our sales team)

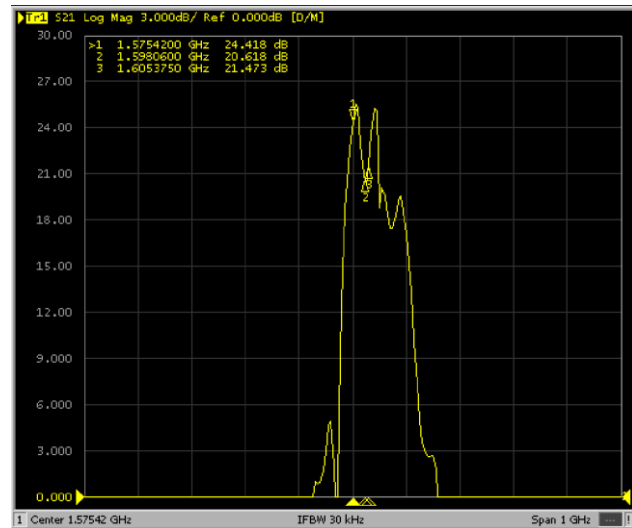
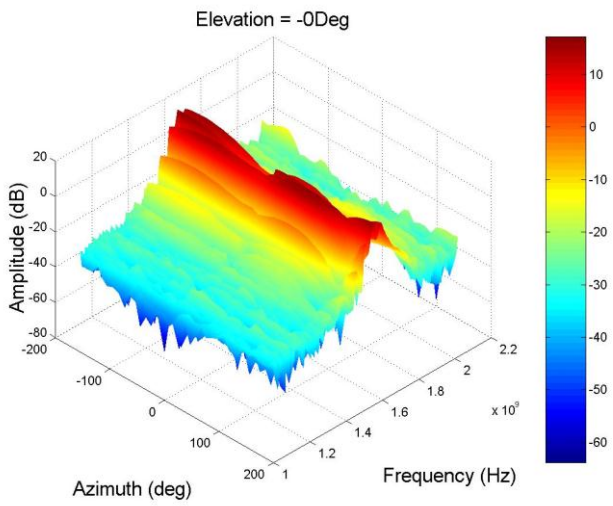


3. MEASUREMENT

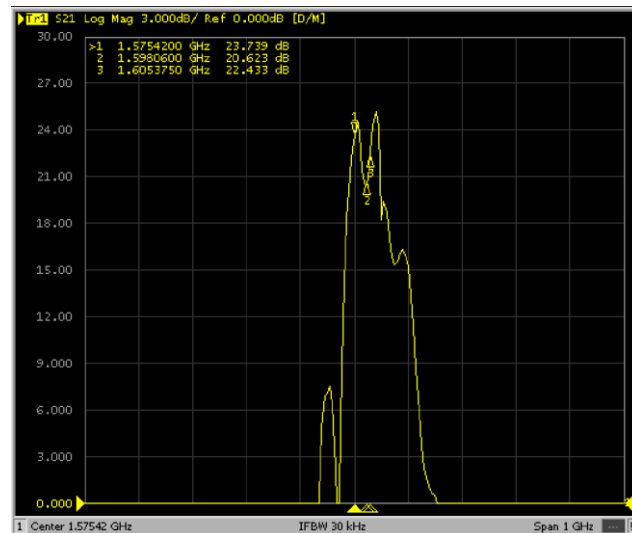
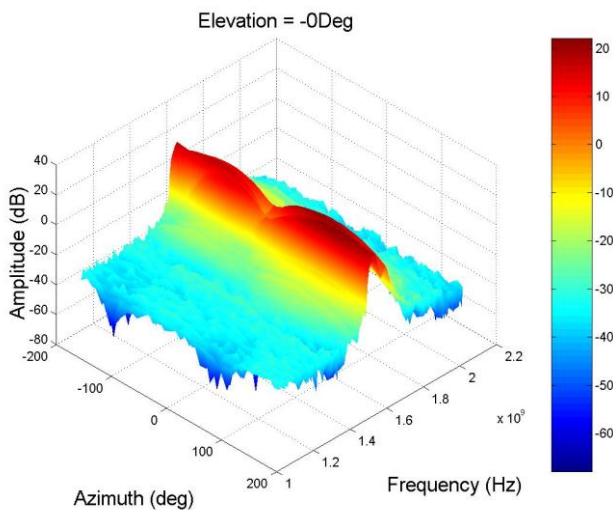
J2J433G at 3V:



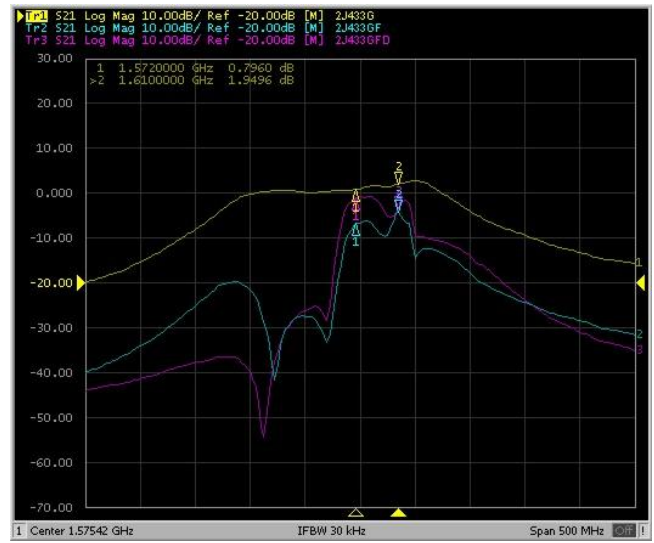
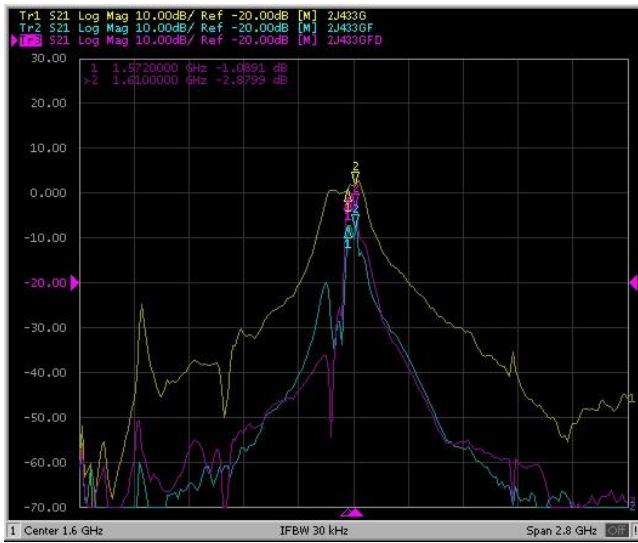
J2J433GF at 3V:



J2J433GFD at 3V:



Comparacy of all 3 models:



4. IMAGES

