

AMC-ANT-2JM1901GF

GNSS ceramic active patch antenna

Features

- GPS/GLONASS/QZSS/Galileo:
 - 1575 – 1606MHz
- Pre-filter
- 28dB gain
- Pre-filter
- Low noise figure
- Low power consumption
- Ground plane independent
- Dimensions: 13 x 13 x 6.6mm
- Customisable cable and connector



1. Antenna and Electrical Specifications

Parameters	GNSS ceramic active patch antenna	
Standards	GPS/QZSS/Galileo	GLONASS
Band (MHz)	1575	1602
Frequency (MHz)	1575.42	1598 - 1606
Passive gain (dBi)	~2.1	
Impedance (Ohms)	50	
Radiation pattern	Hemispherical	
Voltage range (V)	1.5 – 3.6	
Active gain (dB)	28 @ 2.7V	
Noise figure (dB)	1.8 @ 2.7V	
Current consumption (mA)	9 @ 2.7V	
SAW filter type	Pre-filter	
Out of band rejection (dBc)	43	
ESD protection (kV)	6	
Connector type	U.FL standard (other connectors available)	
Cable length	100mm standard (other cable lengths available)	
Cable type	1.37mm mini-coax standard (other cable types available)	

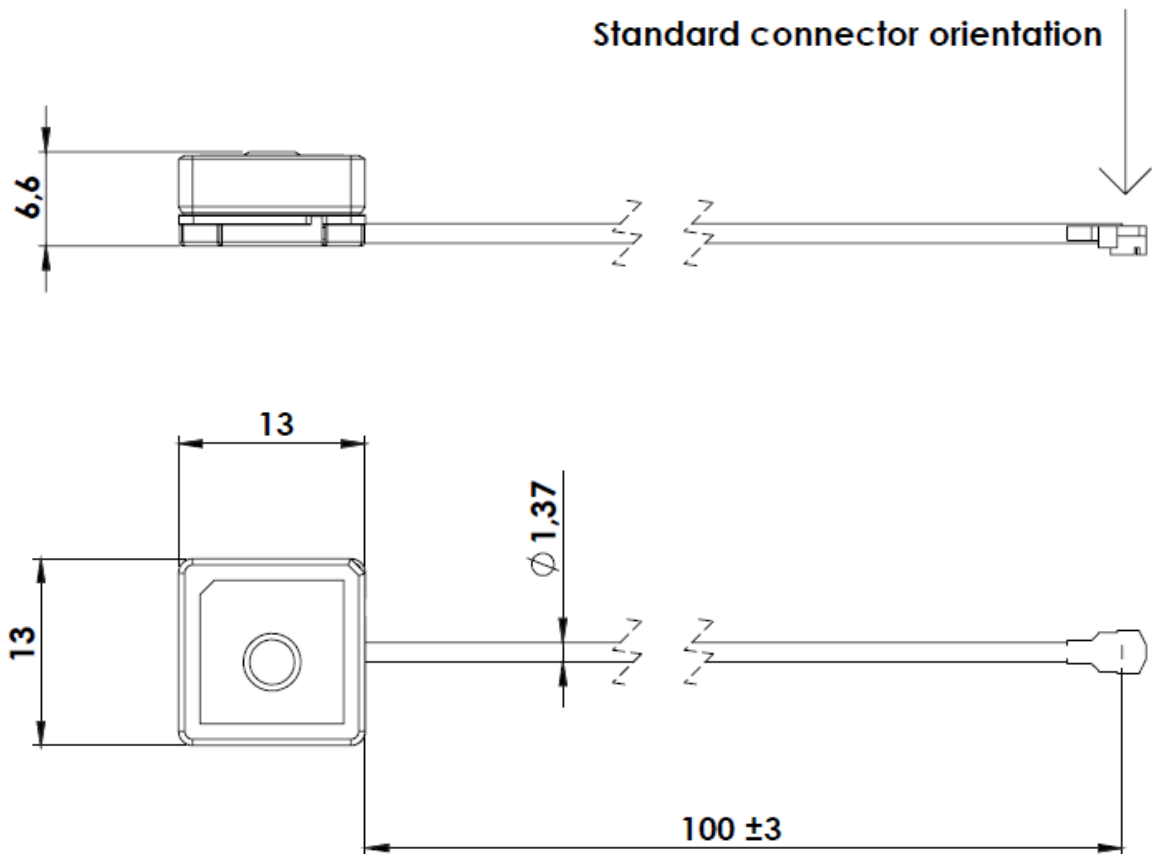
Antenna measurement conditions:

- Free space
- Measured in certified CTIA 3D anechoic chamber

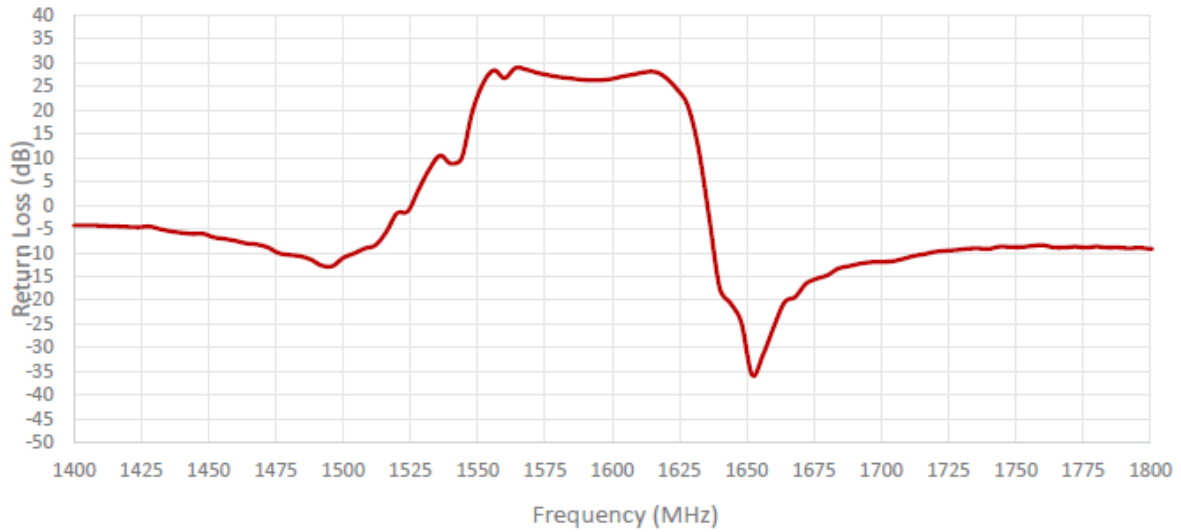


2. Mechanical and Environmental Specifications

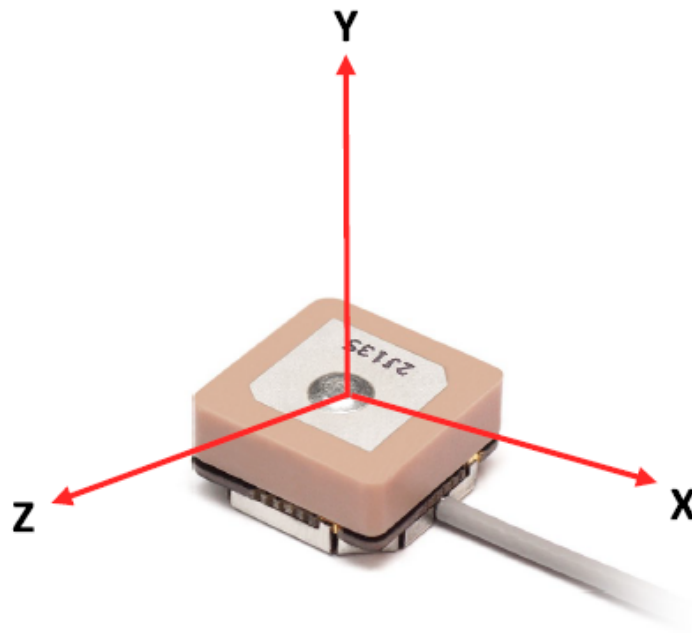
Dimensions (mm)	13 x 13 x 6.6
Operating temperature (°C)	-40 to +85
Storage temperature (°C)	-40 to +85
Substance compliance	RoHS



3. Antenna Parameters

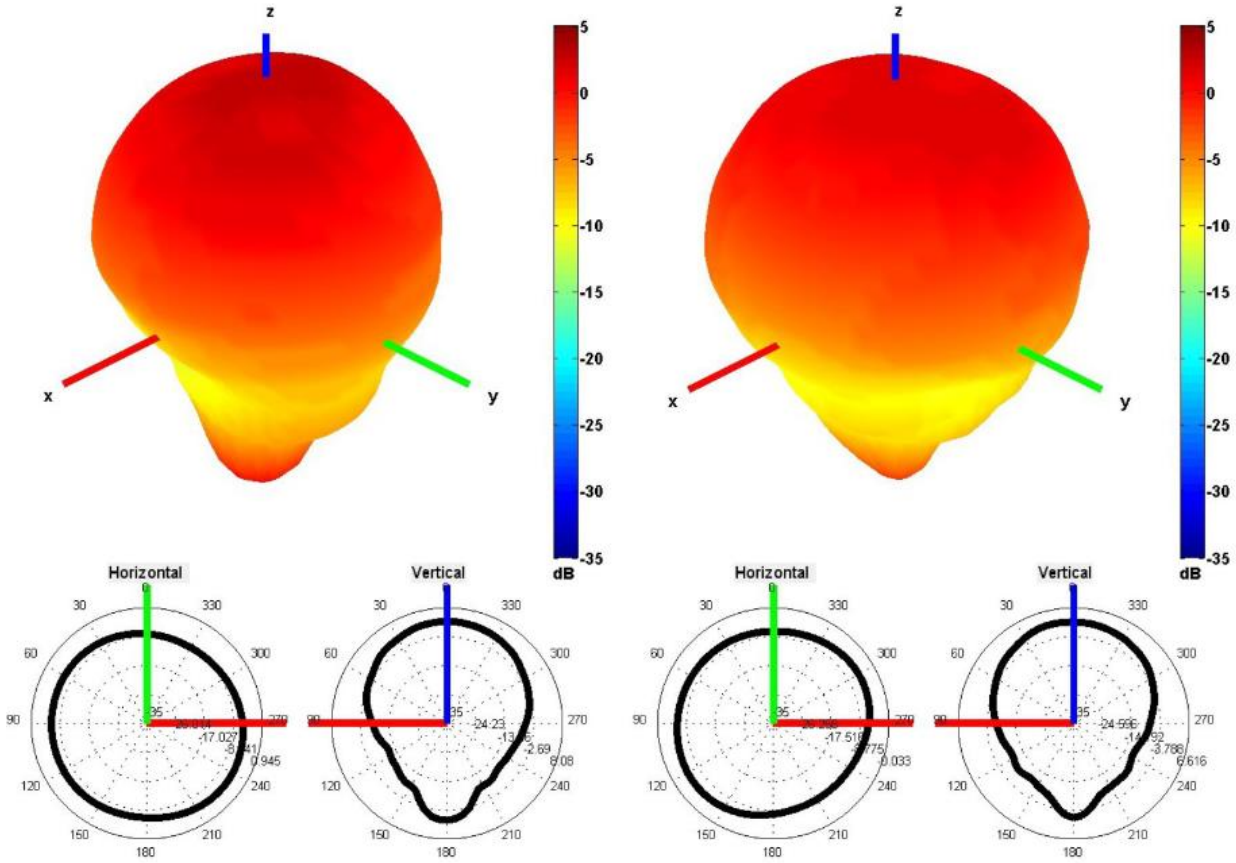


* Measured at 2.7 V



Radiation pattern reference





1575 AND 1602 MHz RADIATION PATTERN

