

AMC-ANT-2JM3201C2F

High precision GNSS L1/L2 ceramic active antenna

Features

- GPS/GLONASS/BeiDou/QZSS/Galileo/SBAS/RTK/L1/L2
 - 1227MHz & 1561 - 1606MHz
- High precision navigation
- Pre-filter
- 28dB gain
- Low noise figure
- Low power consumption
- Dimensions: 25 x 25 x 12mm
- Customisable cable and connector



1. Antenna and electrical specifications

Parameters	GNSS active antenna	
Technologies	GPS/Galileo/QZSS/GLONASS/BeiDou/SBAS/RTK/L1/L2	
Bandwidth (MHz)	1227	1561 - 1606
Bands	L2	L1
Frequency (MHz)	1227.6	1561.09 1575.42 1602.00
Standards	GPS(L2C) QZSS(L2C)	GPS(L1C) GLONASS(L1OF) BeiDou(B1) QZSS(L1C) Galileo(E1) SBAS(L1)
Return loss (dB)	~-15.0	~-10.4
VSWR	~1.6:1	~1.8:1
Passive peak gain (dBi)	~1.7	~3.6
Impedance (Ohms)	50	
Radiation pattern	Hemispherical	
Axial ratio (dB)	3dB max	
Polarisation	RHCP	
Voltage range	1.5 - 6	
Active gain (dB)	28 @ 3V	
Noise figure (dB)	1.6 @ 3V	
Current consumption (mA)	16 @ 3V	
Power consumption (mW)	48 @ 3V	
SAW filter type	Pre-filter	
Out of Band rejection (dB)	~40	
ESD protection (kV)	2	
Connector type	U.FL standard (other connectors available)	
Cable length	100mm standard (other lengths available)	
Cable type	1.37mm mini-coax (other types available)	

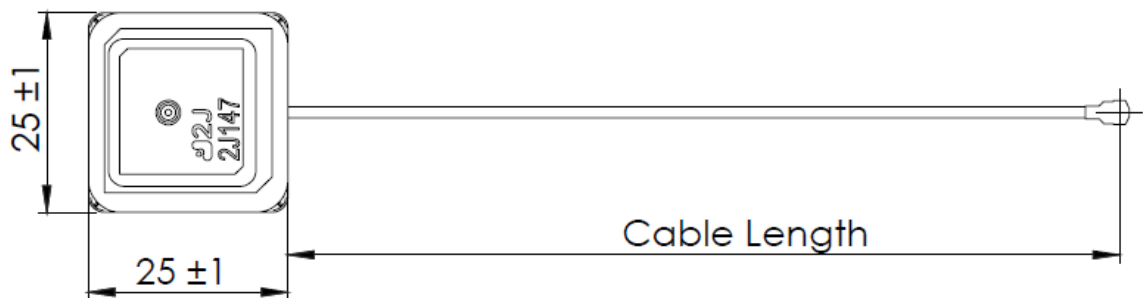


Antenna measurement conditions:

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

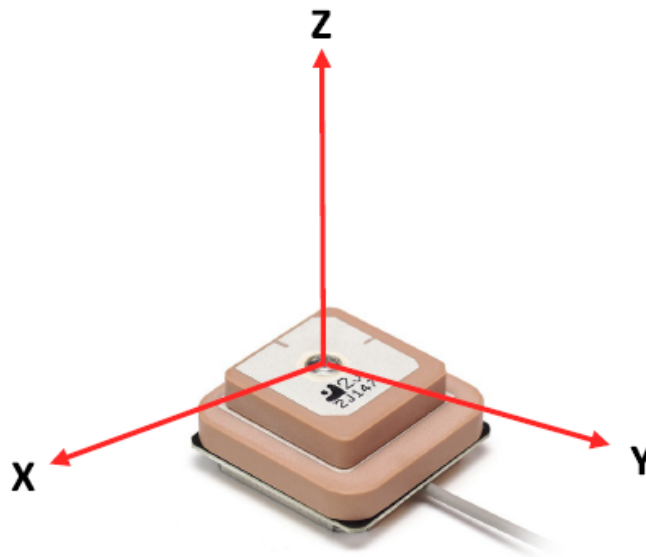
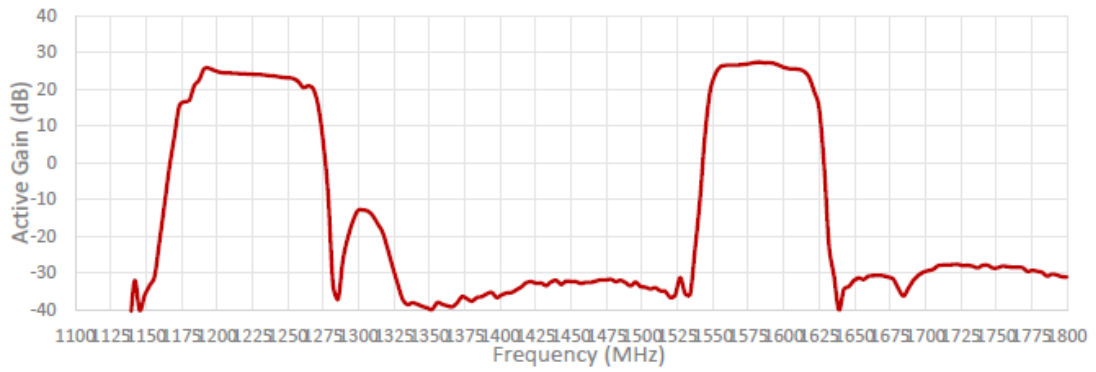
2. Mechanical and environmental specifications

Dimensions (mm)	25 x 25 x 12
Operating temperature (°C)	-40 to +85
Storage temperature (°C)	-40 to +85
Substance compliance	RoHS



3. Antenna parameters

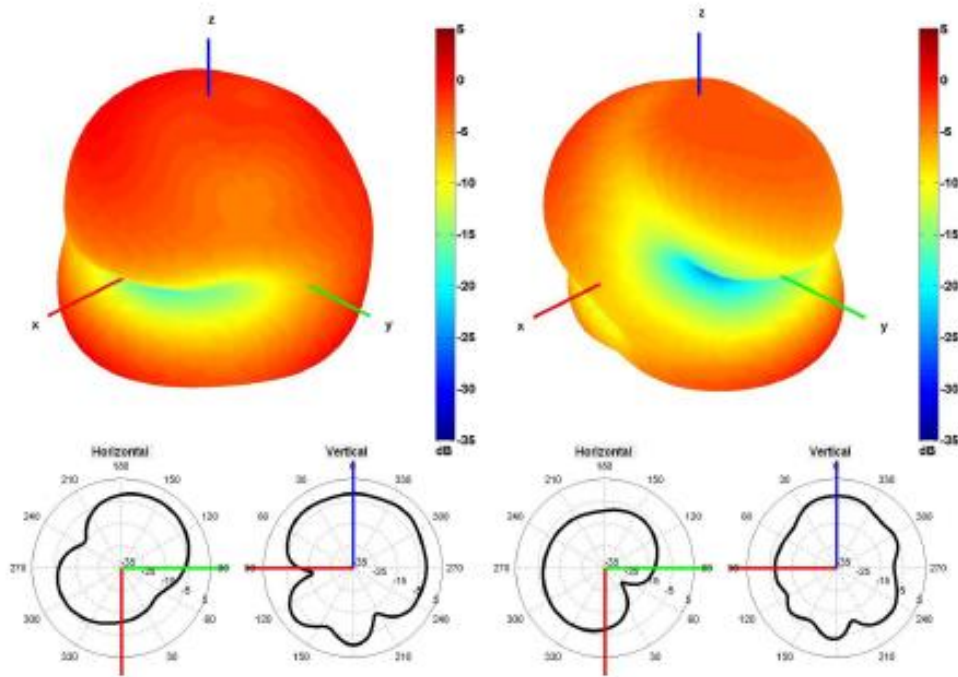
Cable 1: GNSS/L1L2



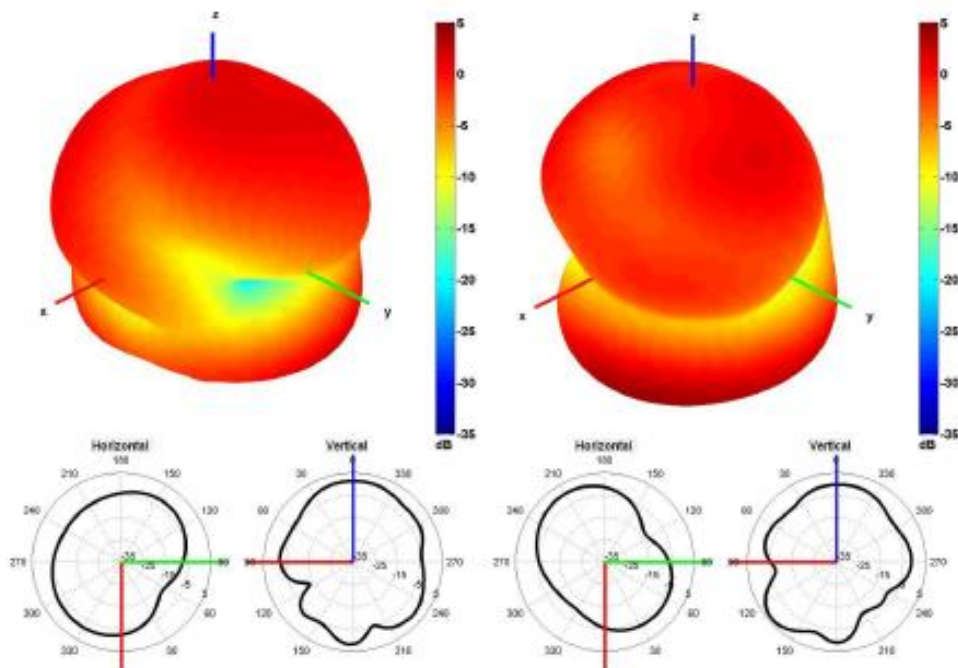
Radiation pattern reference



Table 1: GNSS/L1L2



1227 AND 1561 MHz Radiation pattern



1575 AND 1602 MHz Radiation pattern

