

2J0B01C6-C884G

Passive GNSS/L1L2L5L6 Connector Mount

Key Features

GPS/GLONASS/BeiDou/QZSS/Galileo/
/IRNSS/SBAS/L1L2L5L6
- 1176-1606 MHz
Connector Mount
Low Profile
Wide band Antenna
Ground Plane Dependent
Dimensions 44 × 19.1 × 9 mm



2. Antenna and electrical specifications

Parameters	Passive GNSS Antenna			
Technologies	GPS/Glonass/BeiDou/QZSS/Galileo/IRNSS/SBAS/L1L2L5L6			
Bandwidth (MHz)	1176-1208	1227-1246	1268-1279	1561-1606
Bands	L5	L2	L6	L1
Frequency (MHz)	1176.45, 1207.14	1227.6, 1246.00	1268.52, 1278.75	1561.09, 1575.42, 1602
Standards	GPS(L5), BeiDou(B2a, B2b), QZSS(L5), Galileo(E5a), IRNSS(L5)	GPS(L2C), GLONASS(L2OF), QZSS(L2C)	GPS(L6), BeiDou(B3), QZSS(L6), Galileo(E6)	GPS(L1C), GLONASS(L1OF), BeiDou(B1), QZSS(L1C), Galileo(E1), SBAS (L1)
Return Loss (dB)	~-5.2	~-5.5	~-6.5	~-7.4
VSWR	~3.5:1	~3.3:1	~2.8:1	~2.5:1
Efficiency (%)	~61.1	~63.1	~66.9	~64.4
Passive Peak Gain (dBi)	~-0.7	~-0.9	~-1.2	~-1.9
Average Gain (dB)	~-2.1	~-2.0	~-1.7	~-1.9
Impedance (Ohms)	50			
Polarisation	Linear			
Radiation Pattern	Omni-Directional			
Max. Input Power (W)	25			
Connector Type	SMA-Male Standard (Right-Angle)			

Antenna Measurement Conditions:

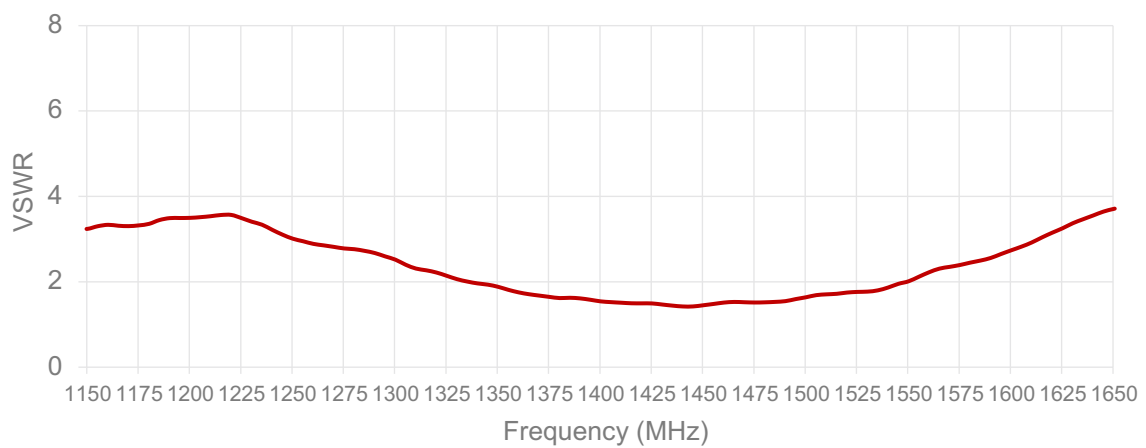
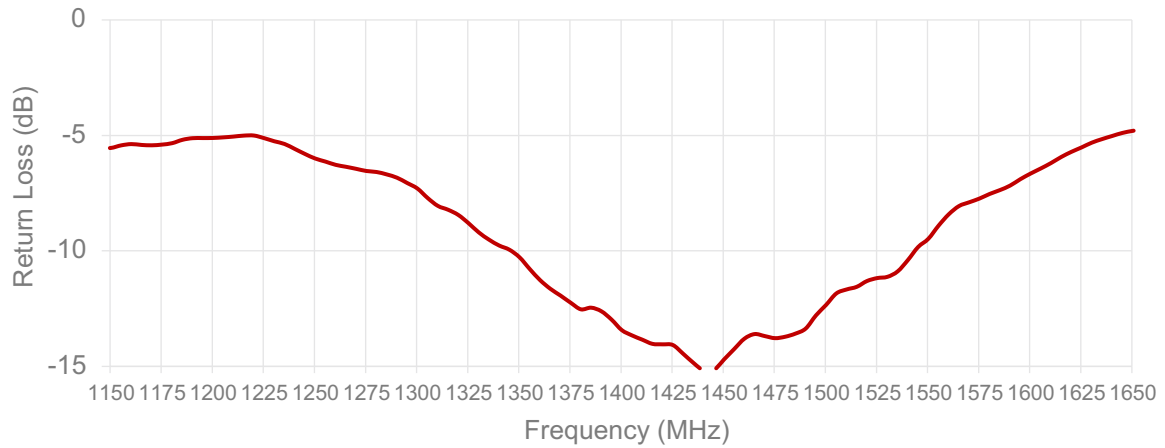
Mounted on Ground Plane of 83 x 40 mm

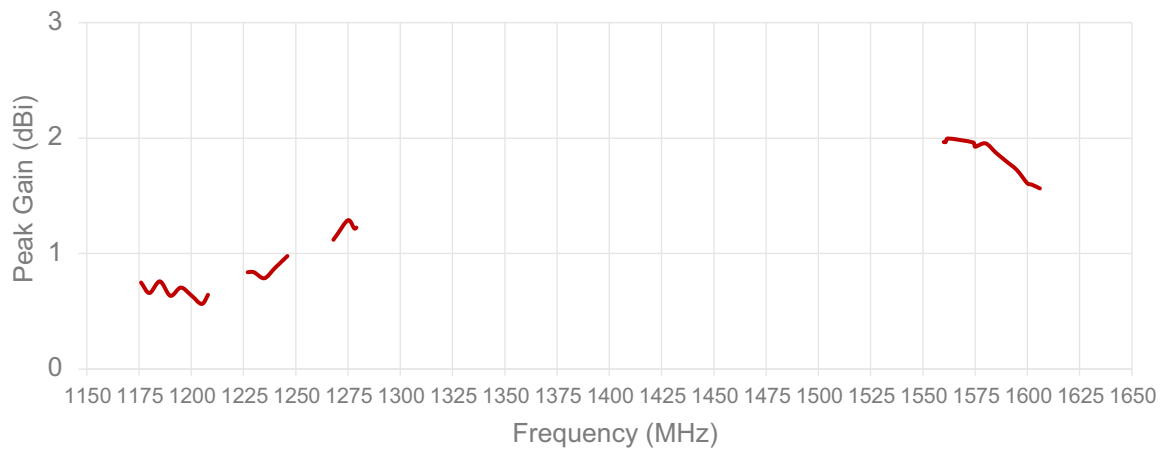
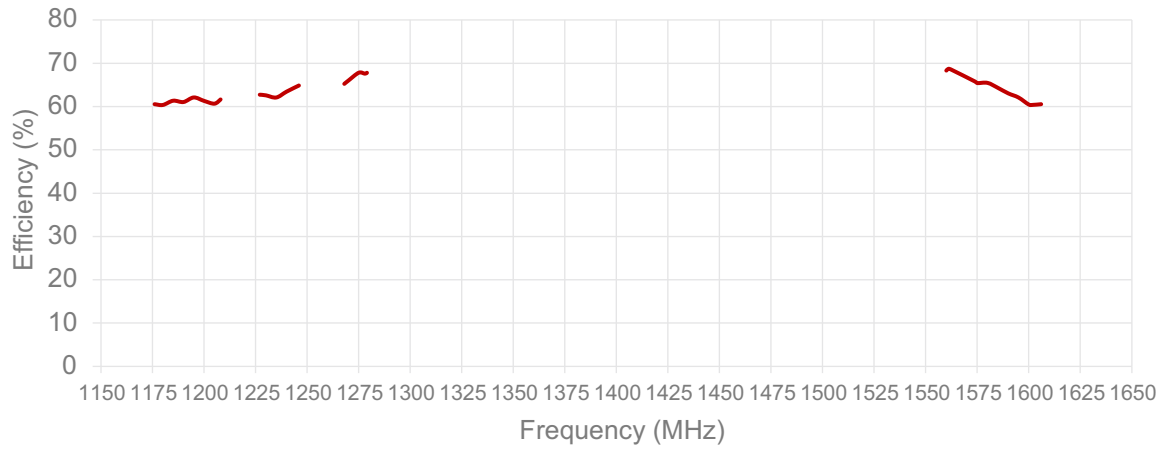
Measured in Certified CTIA 3D Anechoic Chamber

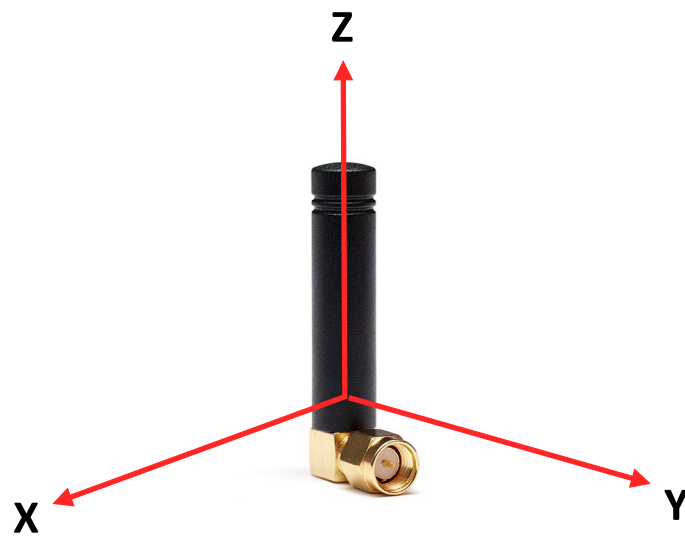
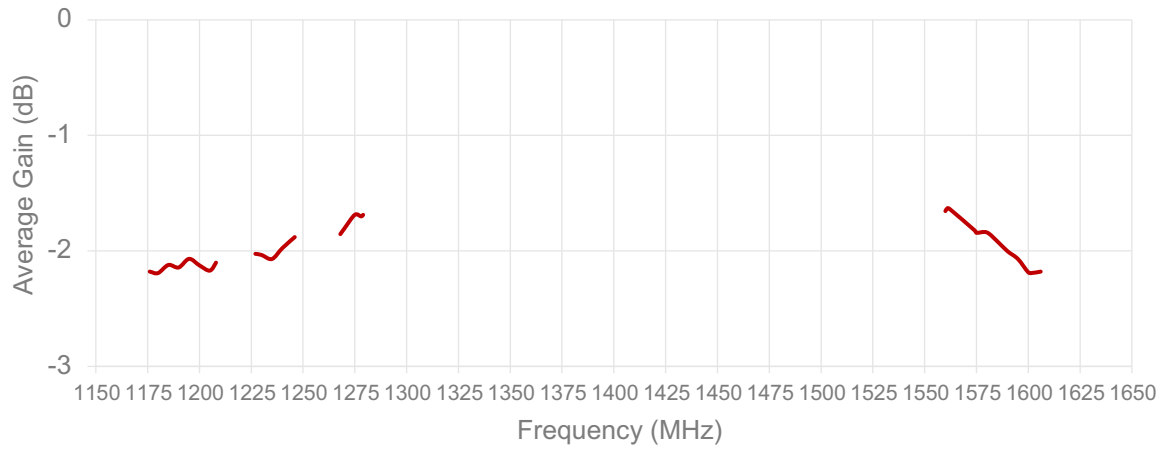
3. Mechanical and environmental specifications

Specifications	2J0B01C6-C884G
Mounting Type	Connector Mount
Dimensions (mm)	44 × 19.1 × 9
Radome	TPC-ET
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

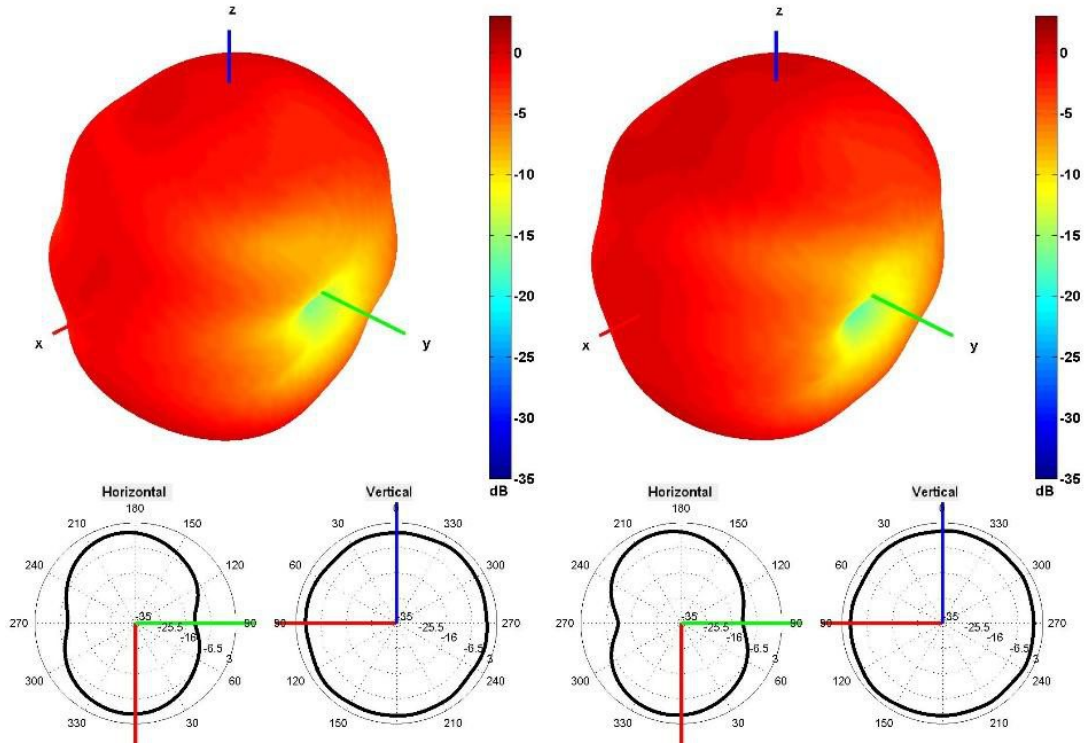
4. Antenna parameters



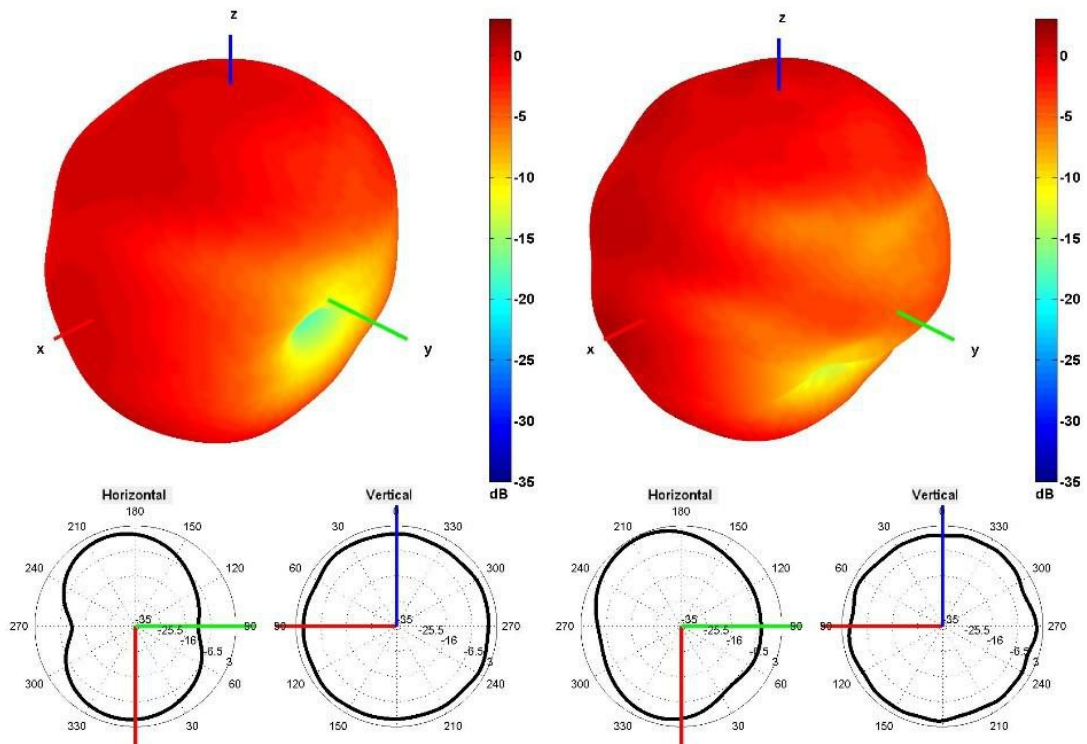




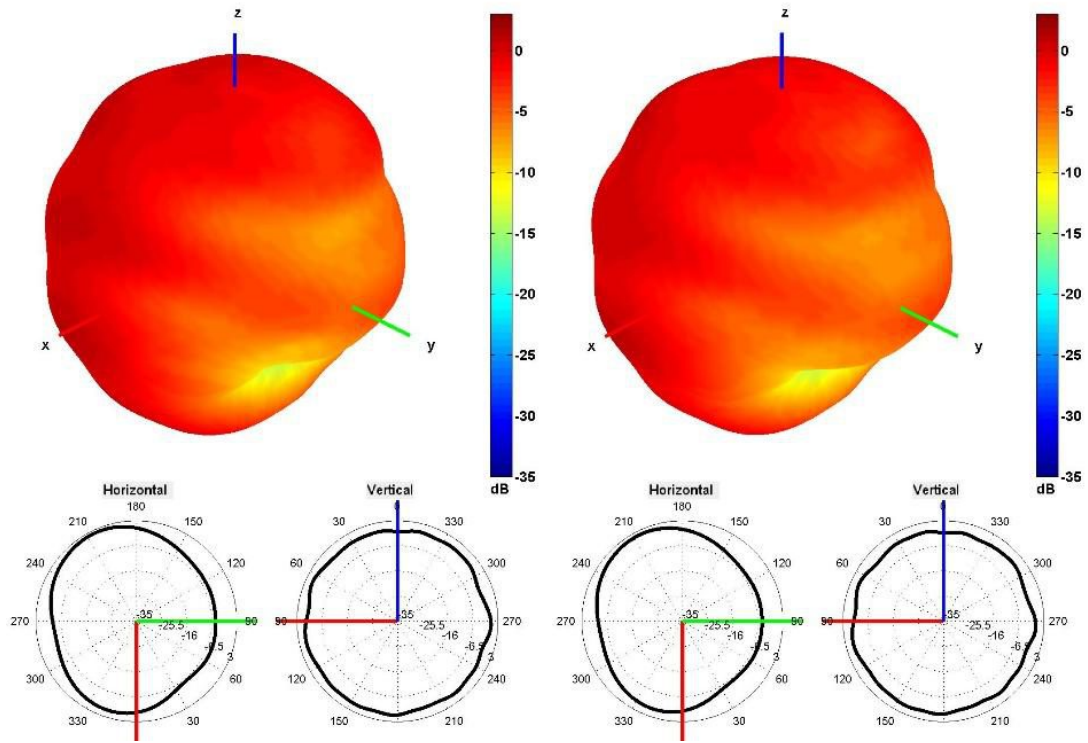
Radiation pattern reference



1176 AND 1227 MHz Radiation pattern

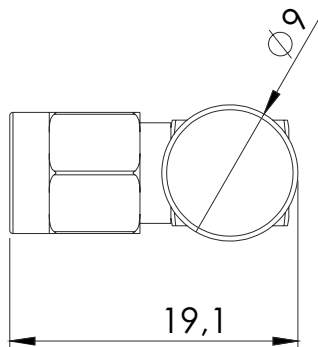
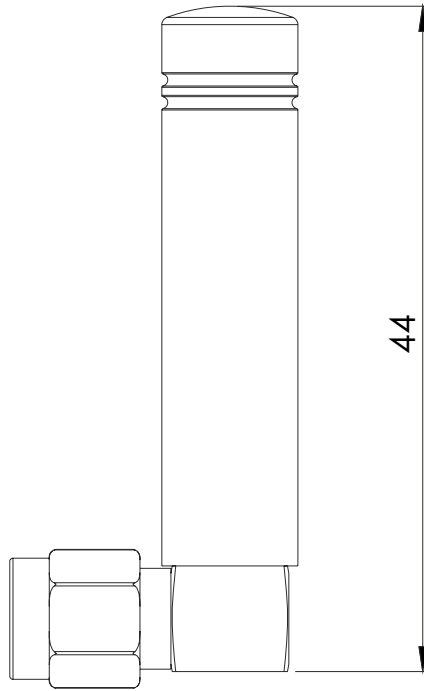


1268 AND 1561 MHz Radiation pattern



1575 AND 1602 MHz Radiation pattern

5. Antenna drawings



6. Antenna Images

