

AMC-ANT-2JF0201P

GNSS L1/L2 & L5/L6 flexible polymer (FPC) antenna

Features

- GPS/GLONASS/BeiDou/QZSS/Galileo/IRNSS/SBAS - L1/L2/L5/L6
 - 1176 - 1606MHz
- Self-adhesive
- Multi-band constellation
- Flexible material
- High performance
- Ground plane independent
- Dimensions: 45.4 x 45.4 x 0.2mm
- Customisable cable and connector



1. Antenna and electrical specifications

Parameters	GNSS antenna			
Technologies	GPS/GLONASS/BeiDou/QZSS/Galileo/IRNSS/SBAS/L1/L2/L5/L6			
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)	~-12.8	~-16.6	~-9.3	~-21.8
VSWR	~1.6:1	~1.4:1	~2.1:1	~1.2:1
Efficiency (%)	~75.0	~76.2	~74.2	~79.9
Passive Peak Gain (dBi)	~3.2	~3.1	~2.9	~4.9
Average Gain (dB)	~-1.3	~-1.2	~-1.3	~-1.0
Impedance (Ohms)	50			
Polarisation	Linear			
Radiation Pattern	Omni-directional			
Max Input Power (W)	25			
Connector Type	U.FL standard (other connectors available)			
Cable Length	100mm standard (other lengths available)			
Cable Type	1.37mm micro coax standard (other cables available)			

Antenna measurement conditions:

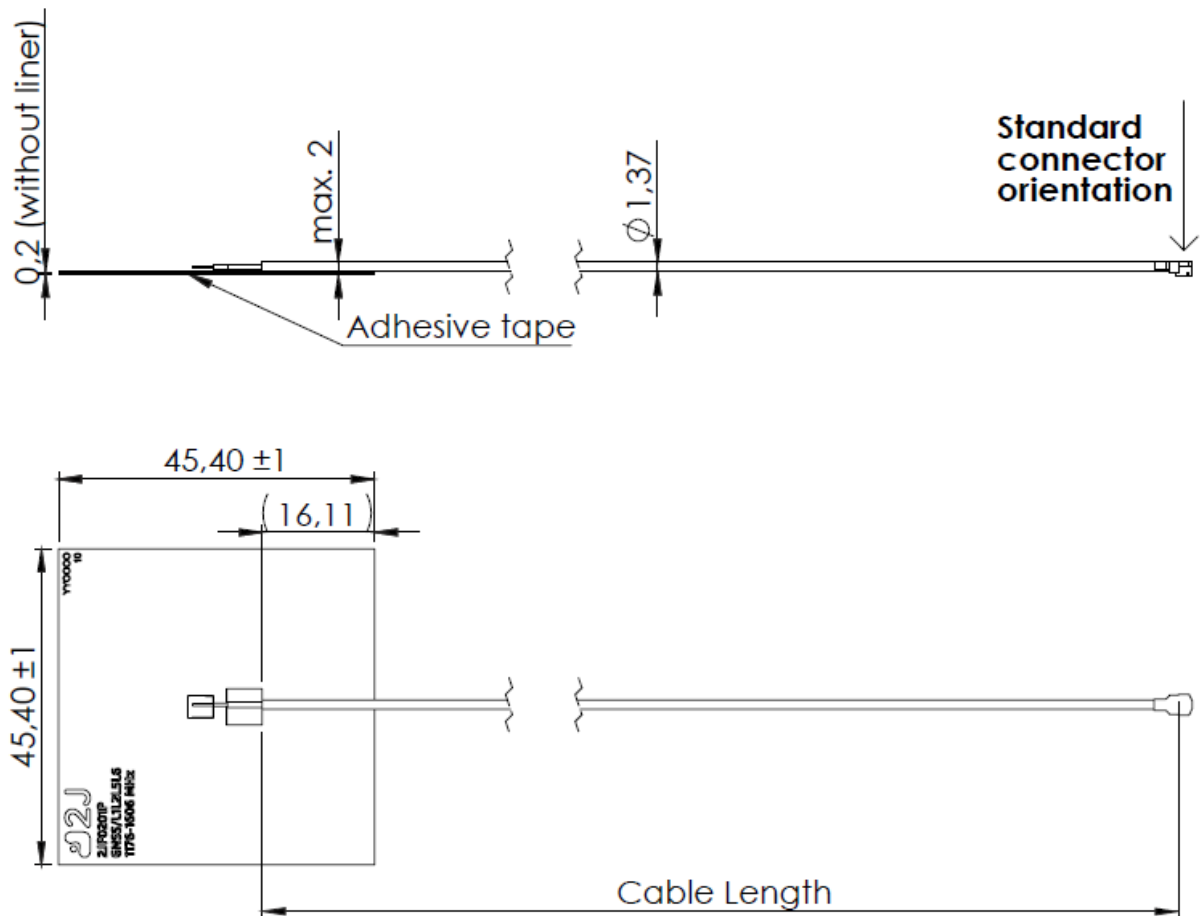
- Mounted on 30 x 30 x 0.25cm ABS plastic plate
- 100mm 1.37mm micro coax cable
- Measured in certified CTIA 3D anechoic chamber



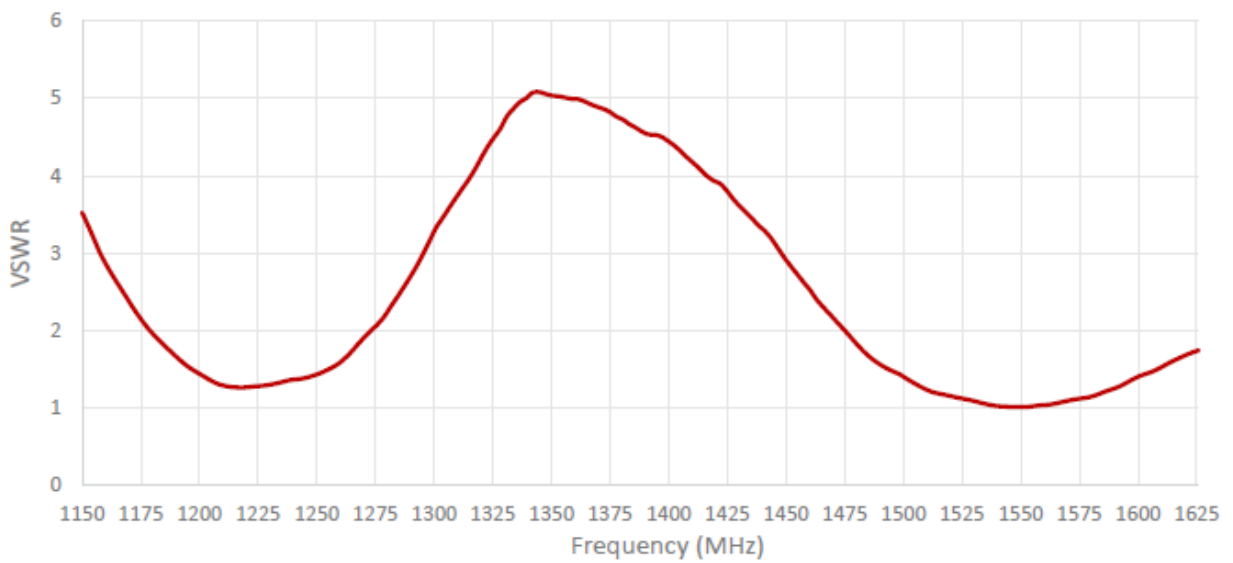
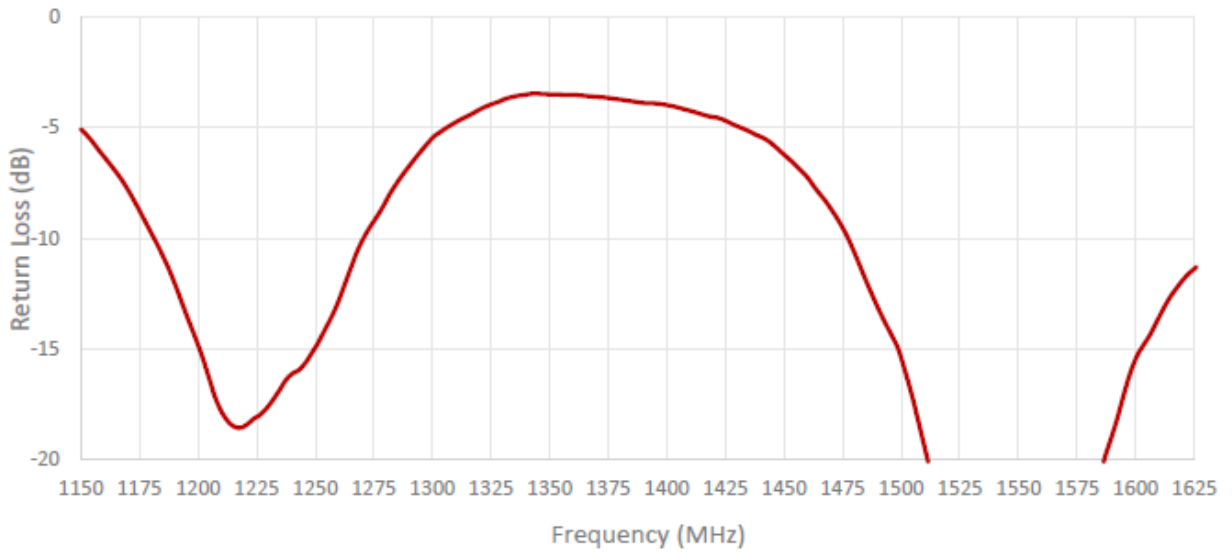
2. Mechanical and environmental specifications

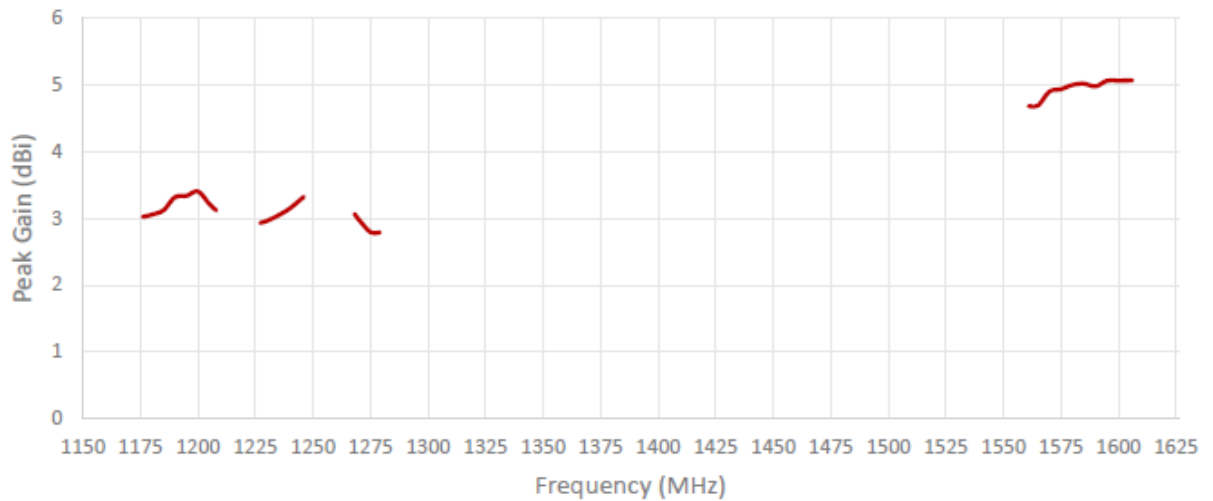
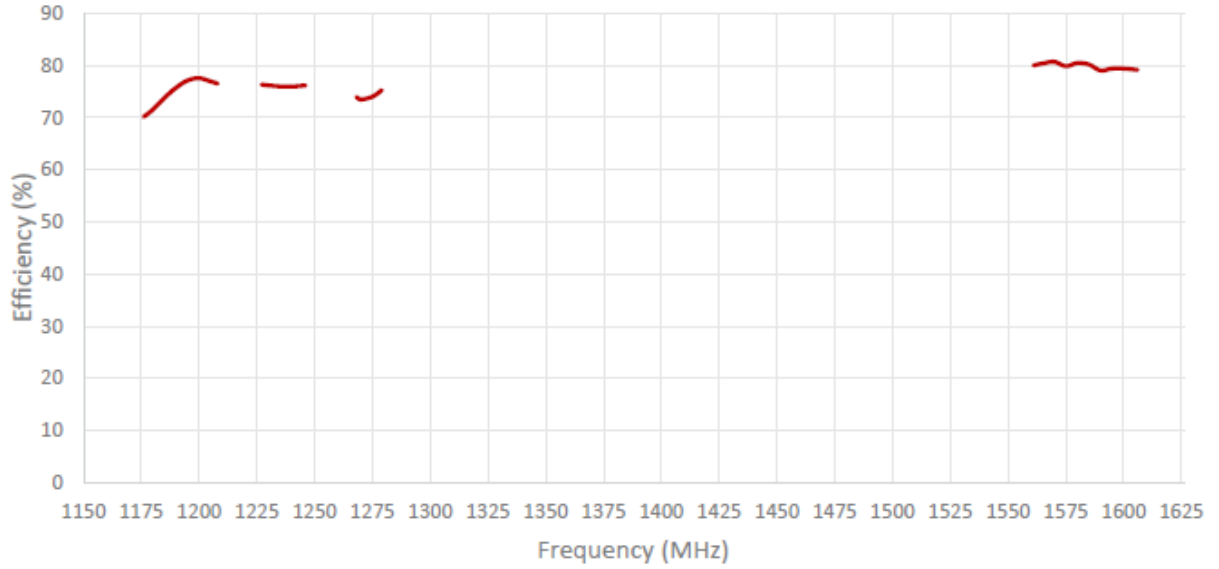
Mounting Type	Adhesive mount
Dimensions (mm)	45.4 x 45.4 x 0.2
Adhesive Type	3M 467
Material	Flexible polymer
Operating Temperature (°C)	-40 to +85
Storage Temperature (°C)	-40 to +85

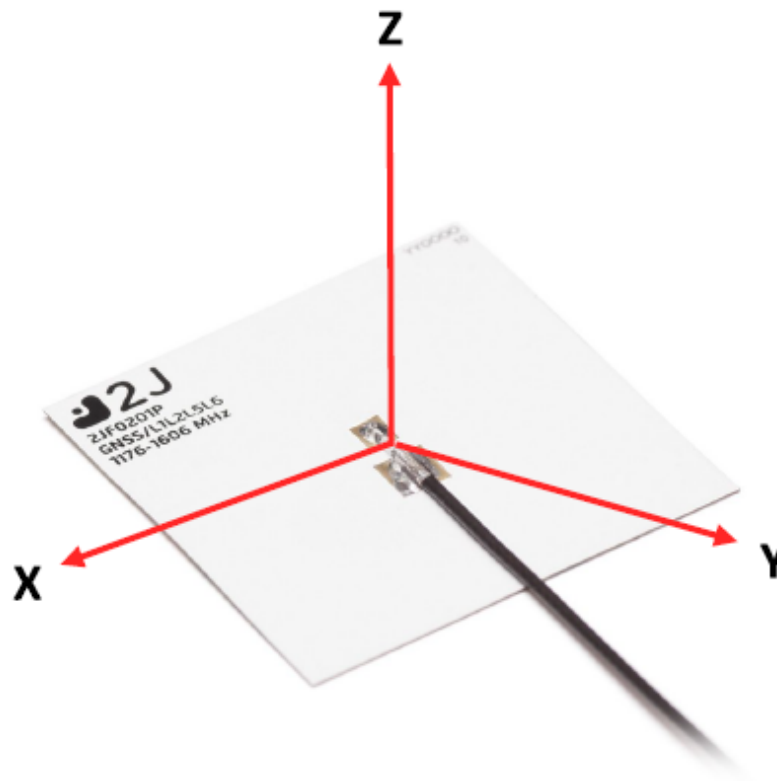
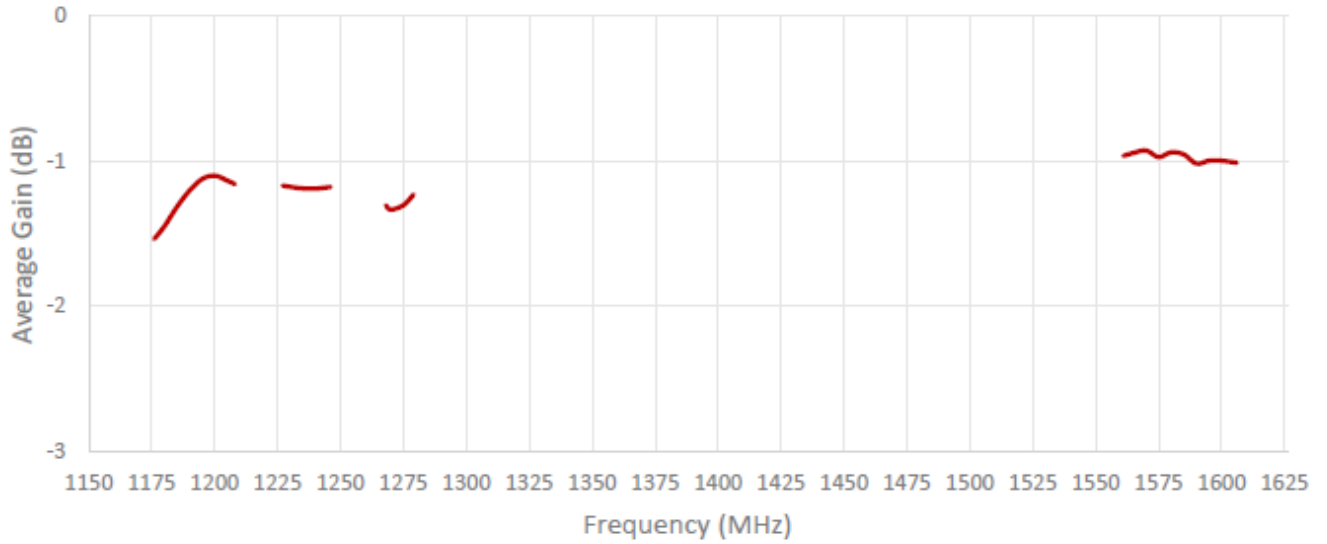
3. Antenna drawings



4. Antenna parameters

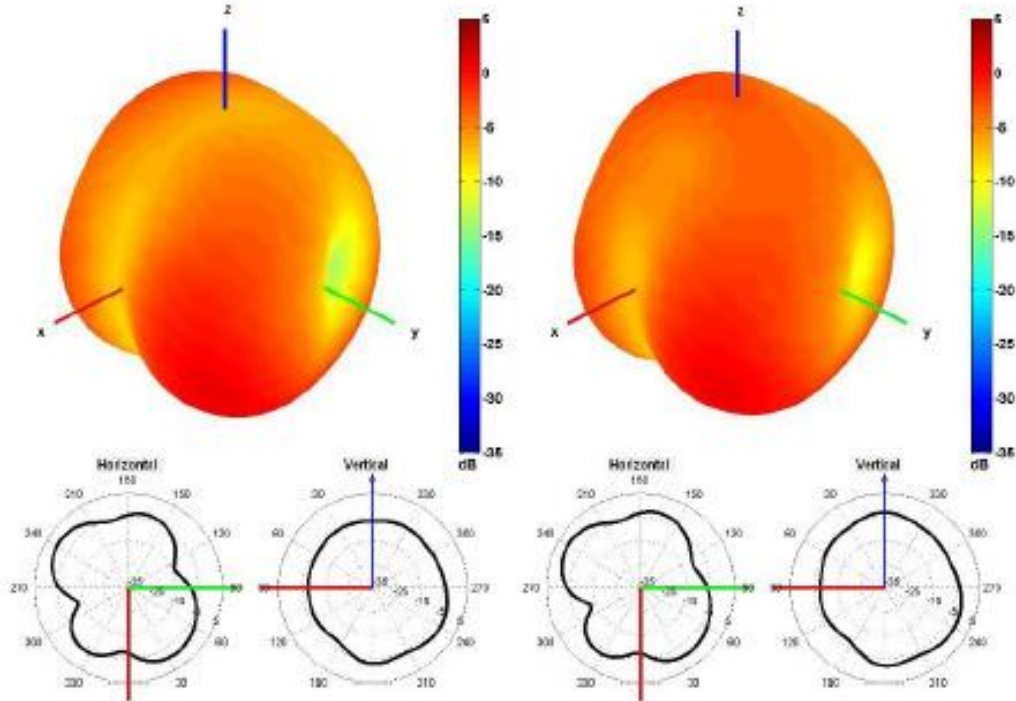




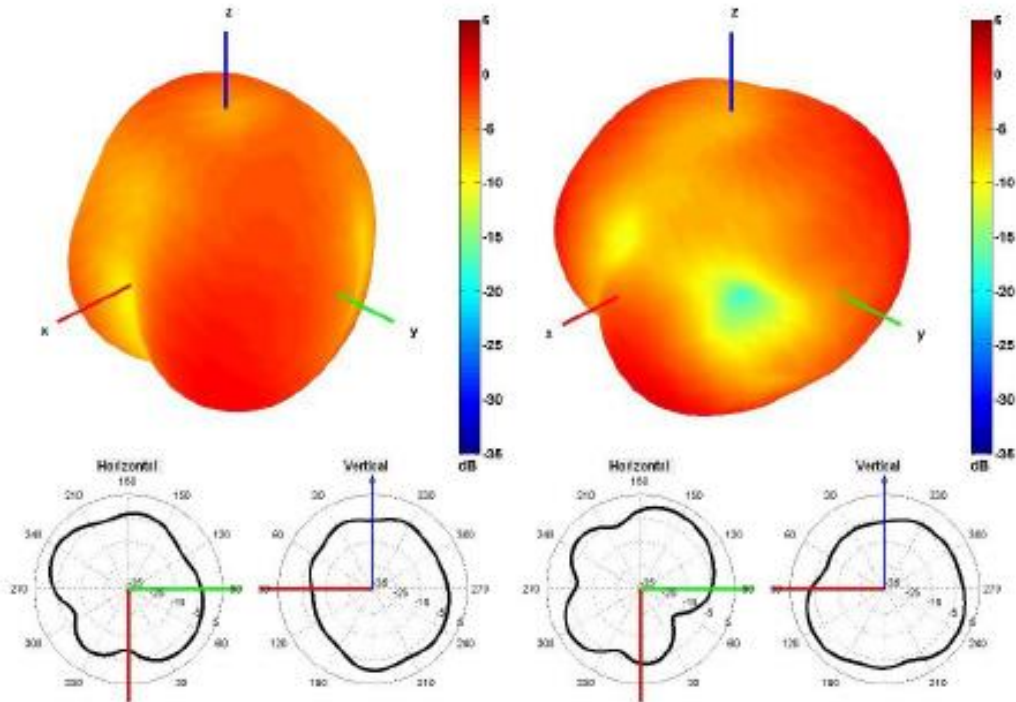


Radiation pattern reference



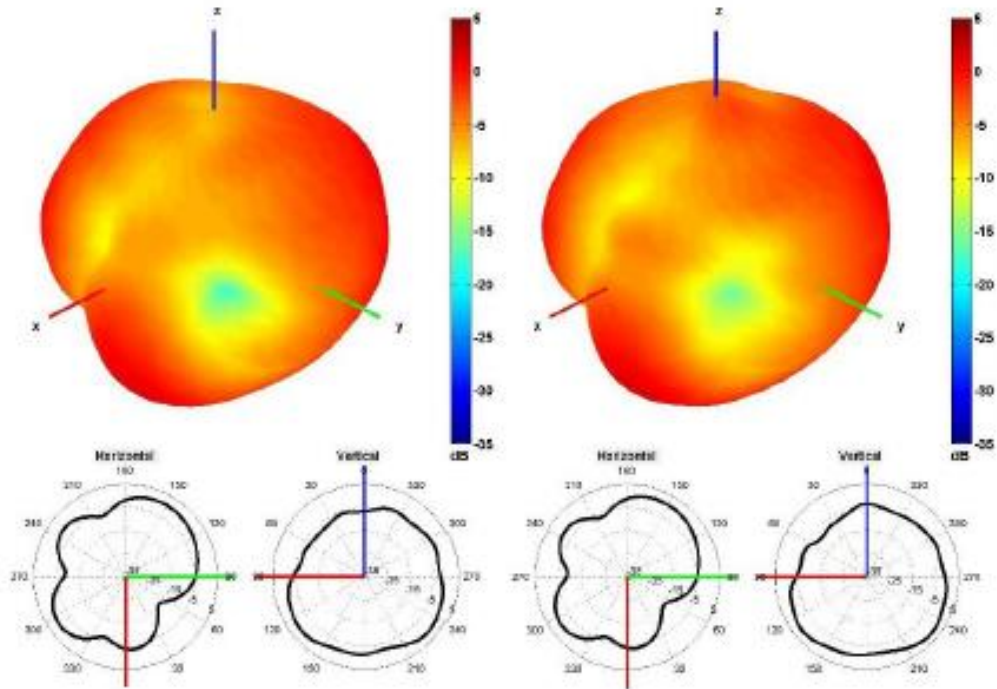


1176 AND 1227 MHz Radiation pattern



1268 AND 1561 MHz Radiation pattern





1575 AND 1602 MHz Radiation pattern

