antenna conceptor

Product Datasheet

2JF0201P

GNSS/L1L2L5L6 Flexible Polymer Adhesive Mount

Key Features

GPS/GLONASS/BeiDou/QZSS/Galileo/
/IRNSS/SBAS/L1L2L5L6

- 1176-1606 MHz
Self-Adhesive
Multi-Band-Constellation
Flexible Material
High Performance
Ground Plane Independent
Dimensions 45.4 × 45.4 × 0.2 mm
Customizable Cable and Connector

1. Antenna and electrical specifications

Parameters	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), GLONAS(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 (Any Cable Length Available)			
Cable Type	1.37mm Mini-Coax Standard (Other Cables Available)			

Antenna Measurement Conditions:

Mounted on 30 x 30 x 0. 25 cm ABS Plastic Plate

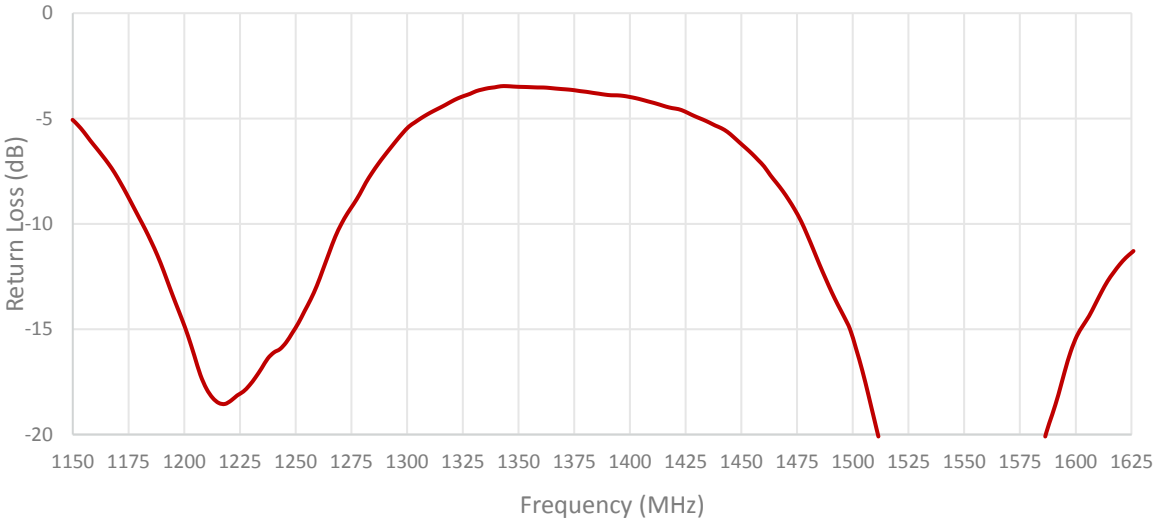
100 mm 1.37 mm Micro Coax Cable

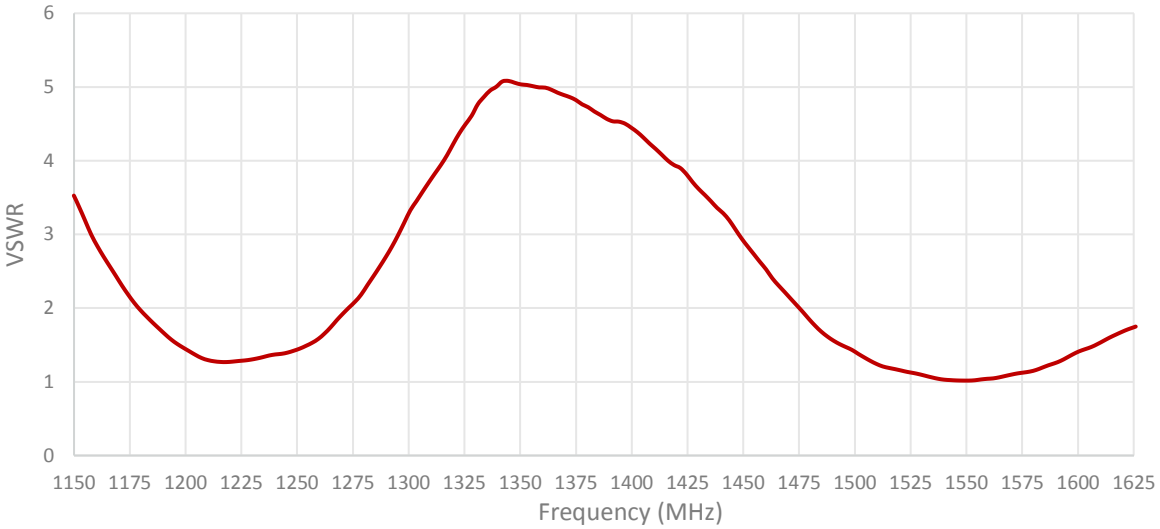
Measured in Certified CTIA 3D Anechoic Chamber

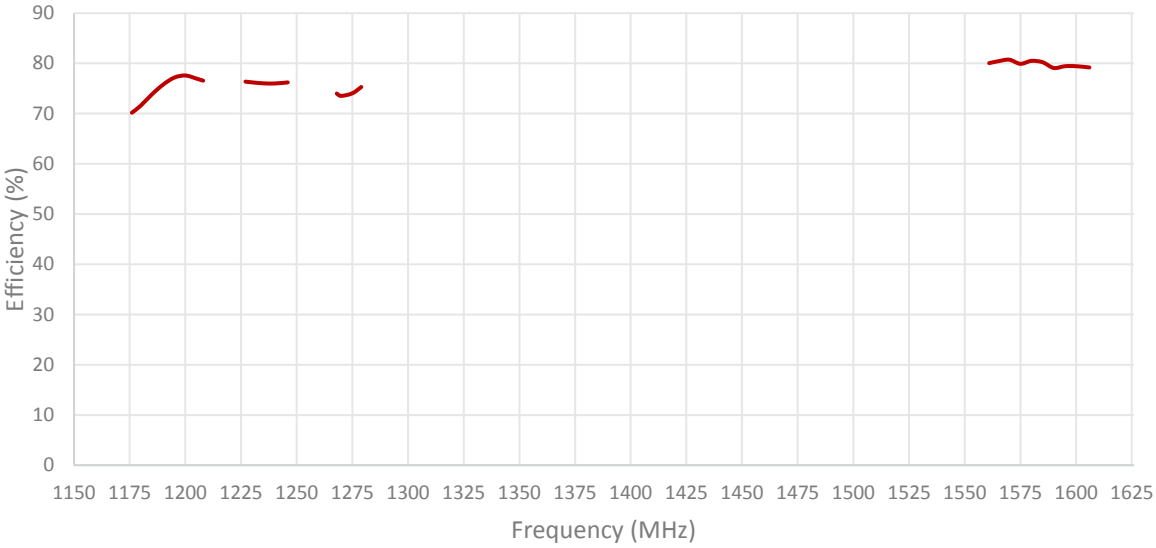
2. Mechanical and environmental specifications

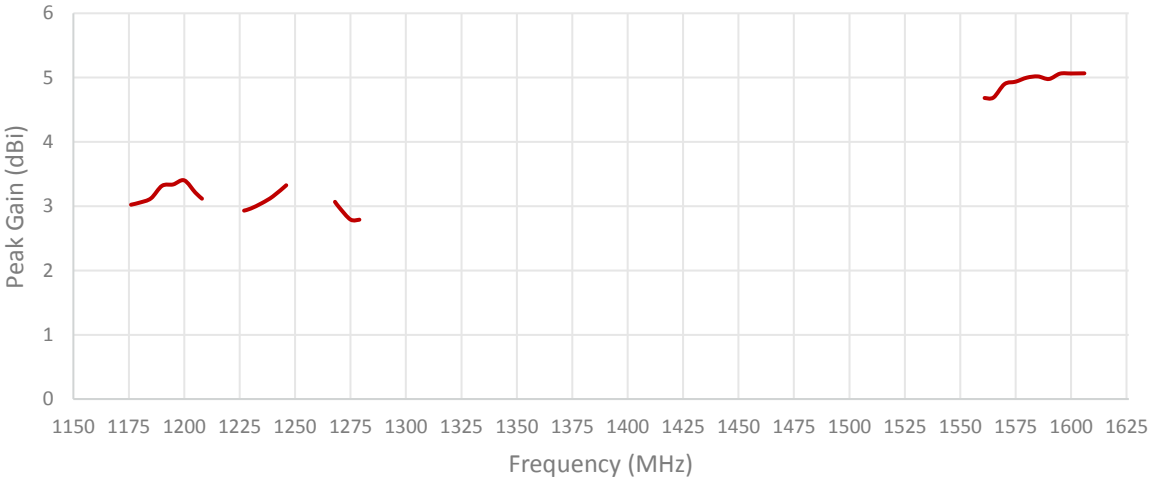
Specifications	2JF0201P
Mounting Type	Adhesive Mount
Dimensions (mm)	45.4 × 45.4 × 0.2
Adhesive Type	3M 467
Material	Flexible Polymer
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85

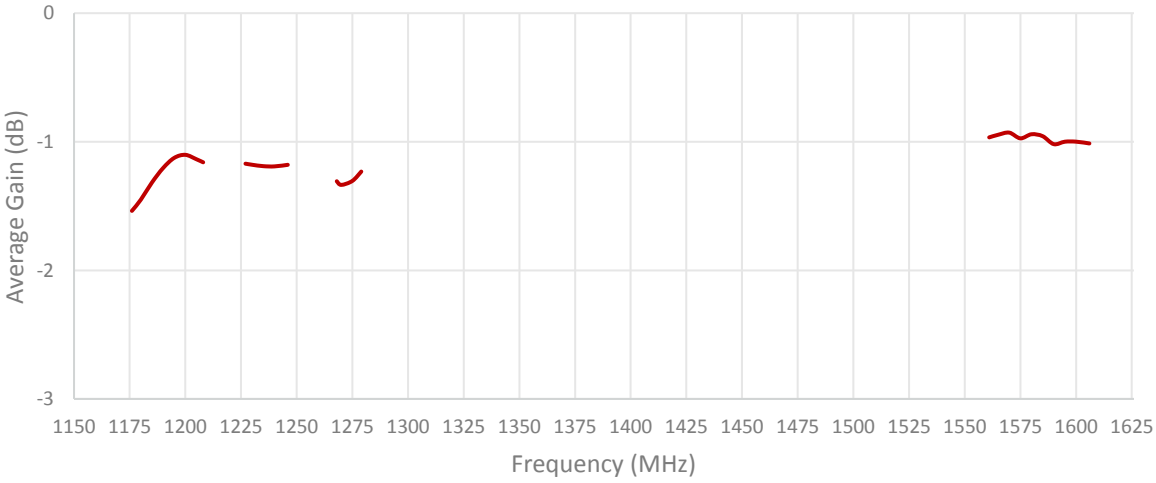
3. Antenna parameters

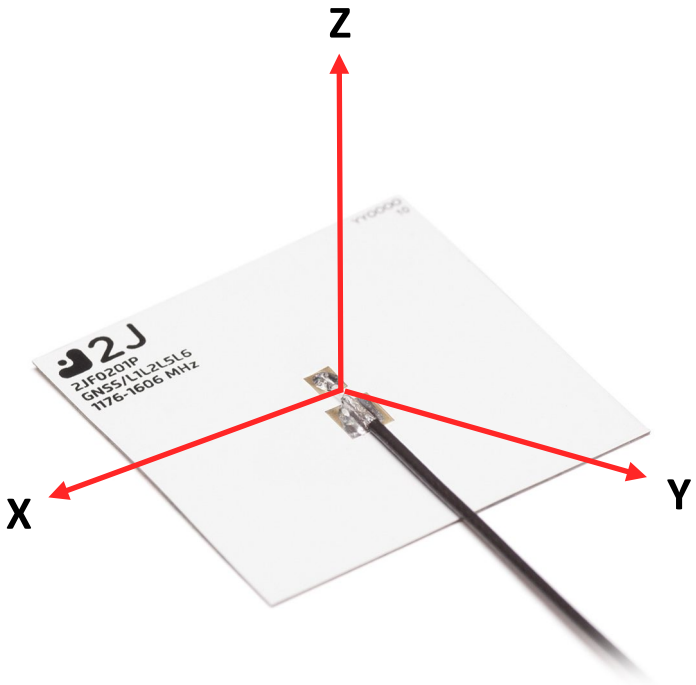




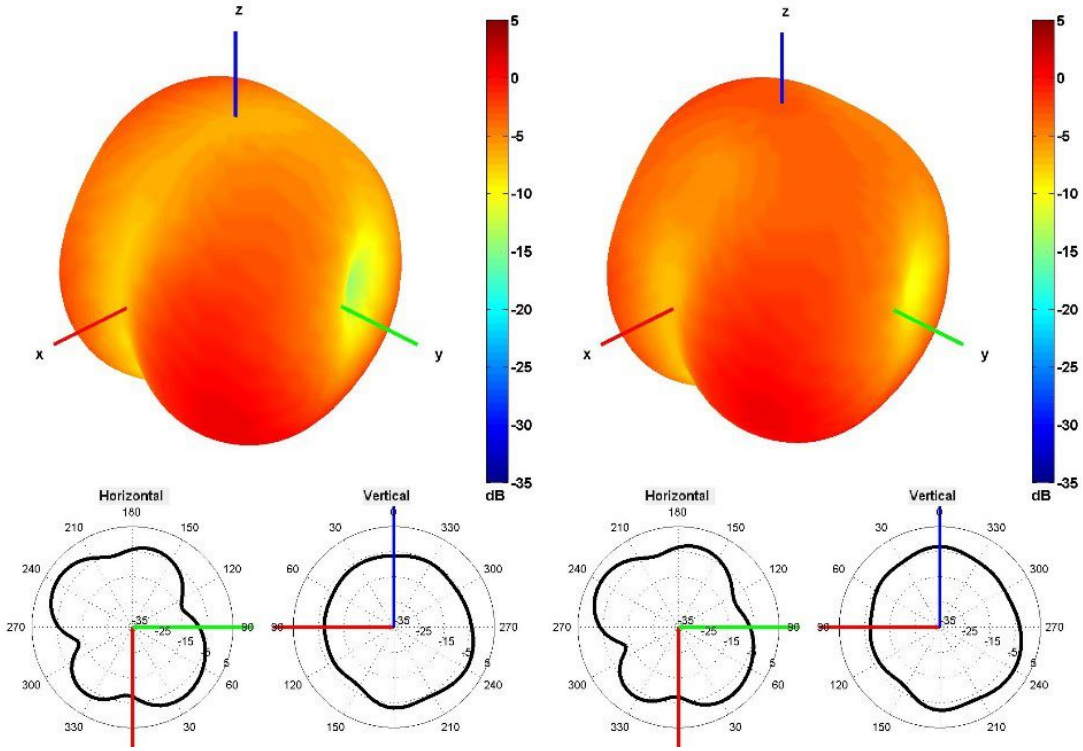

90
80
70
60
50
40
30
20
10
0
Efficiency (%)
1150 1175 1200 1225 1250 1275 1300 1325 1350 1375 1400 1425 1450 1475 1500 1525 1550 1575 1600 1625
Frequency (MHz)


6
5
4
3
2
1
0
Peak Gain (dBi)
1150 1175 1200 1225 1250 1275 1300 1325 1350 1375 1400 1425 1450 1475 1500 1525 1550 1575 1600 1625
Frequency (MHz)

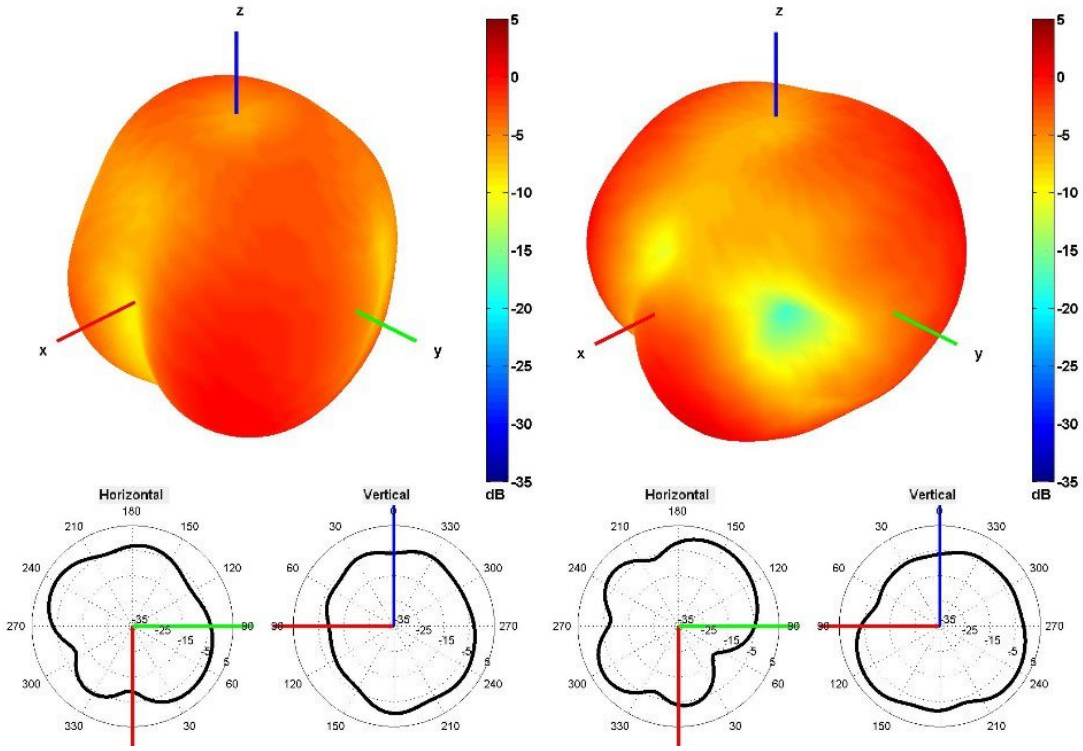




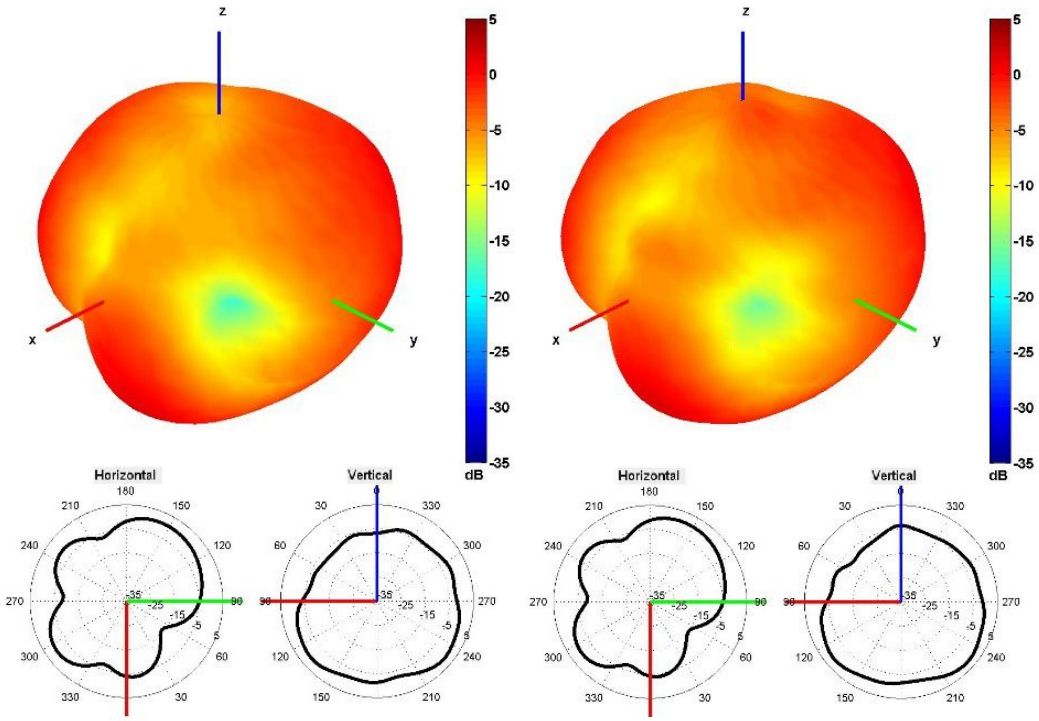
Radiation pattern reference



1176 AND 1227 MHz Radiation pattern

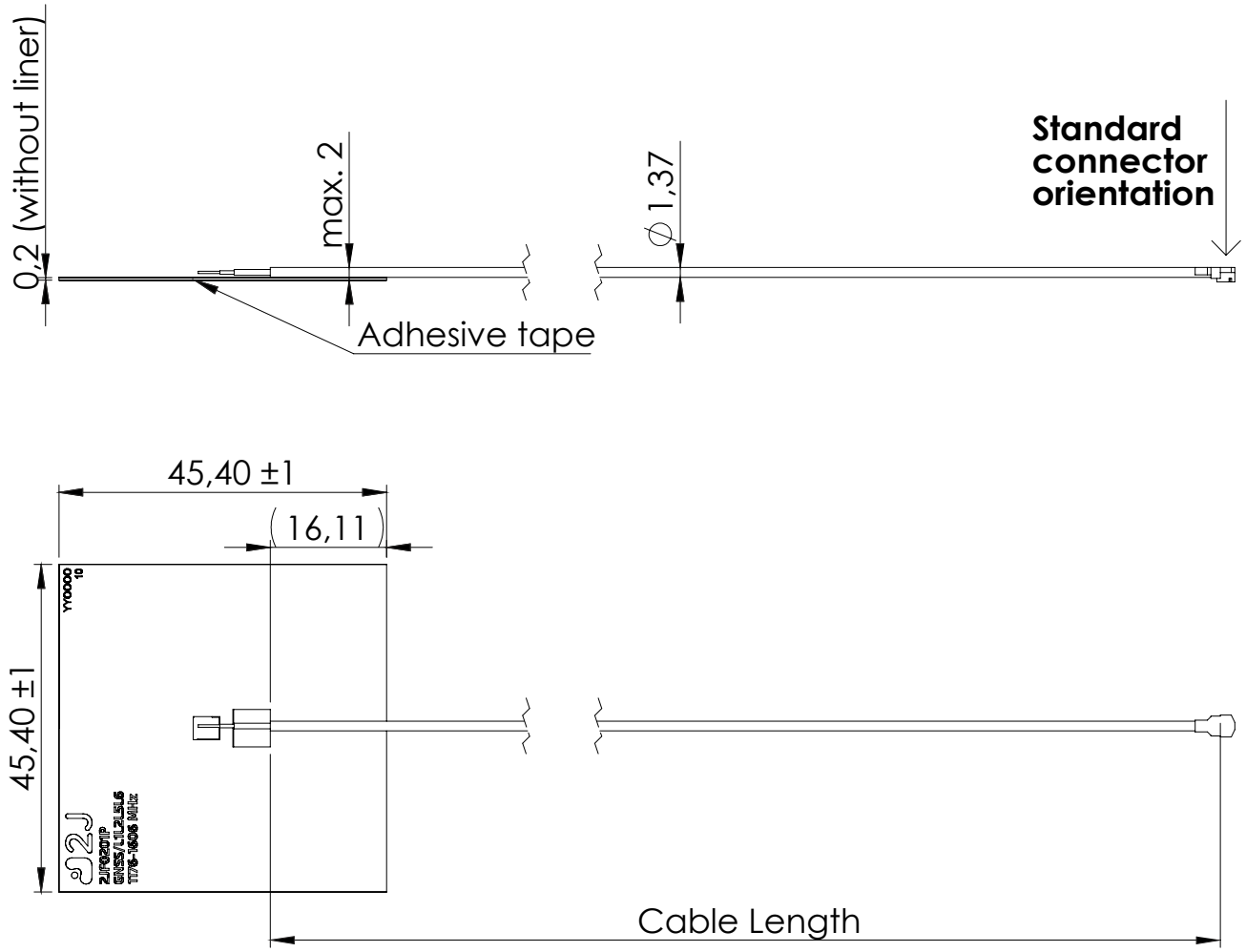


1268 AND 1561 MHz Radiation pattern



1575 AND 1602 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images