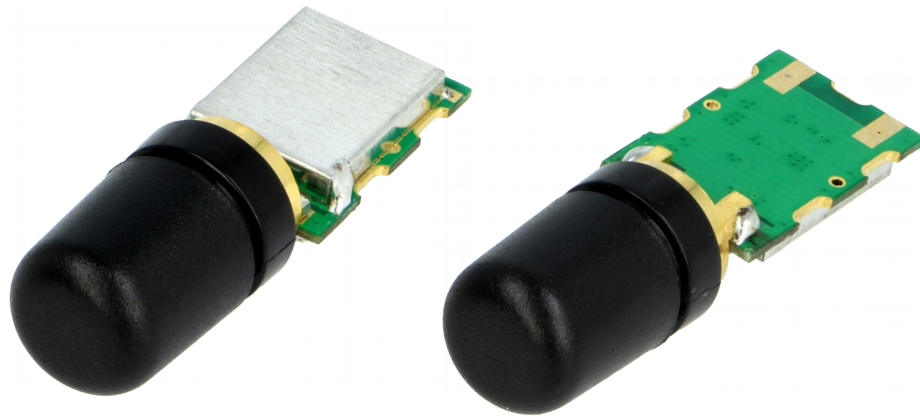


GPS Passive Antenna

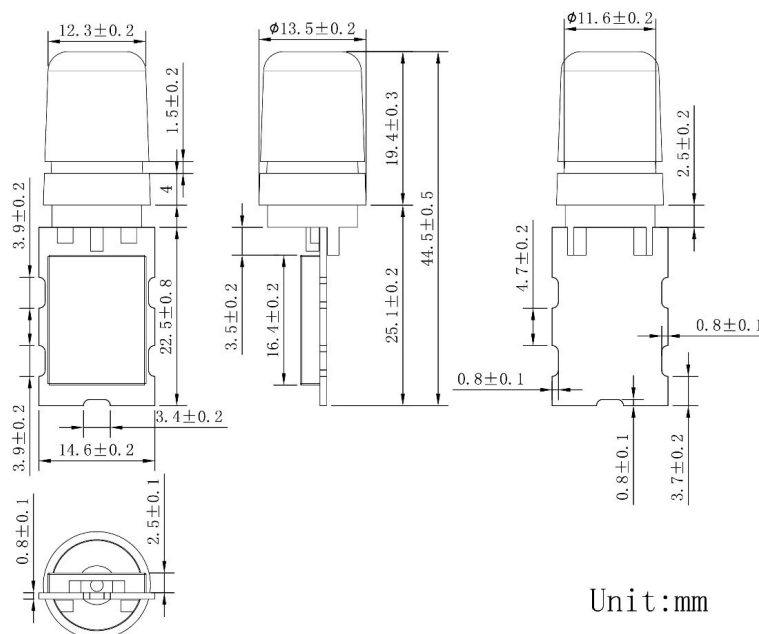
Model : GPS-ANT044



1 Part Number

GPS-ANT044

2 Dimension (Unit : mm)



3 Electrical Characteristics

3.1 Dielectric Antenna

Item		Specifications
Antenna	Center Frequency	1575.42±1MHz
	Band Width	CF±5MHz
	Polarization	RHCP
	Gain	2dBic (Zenith)
	V.S.W.R	< 2.0
	Impedance	50Ω
	Axial Ratio	3dB (Typ.)
LNA	Gain	26±2dB
	Noise Figure	< 2.0
	Supply Voltage	2.7~3.3V DC
	Current Consumption	< 14mA@3.3V
	V.S.W.R	< 2.0

3.2 Mechanical

Mechanical	Radome Material	ABS
	Mounting Method	Soldering

4 Reliability

Condition : Temperature: $40 \pm 5^{\circ}\text{C}$

Load: DC=5V ± 0.5 V

Quantity: 2000pcs

Sustained Time: 480h

5 Environmental Specifications

Post Environmental Tolerance (Refer to the form 1)

Condition : Temperature range $25 \pm 3^{\circ}\text{C}$

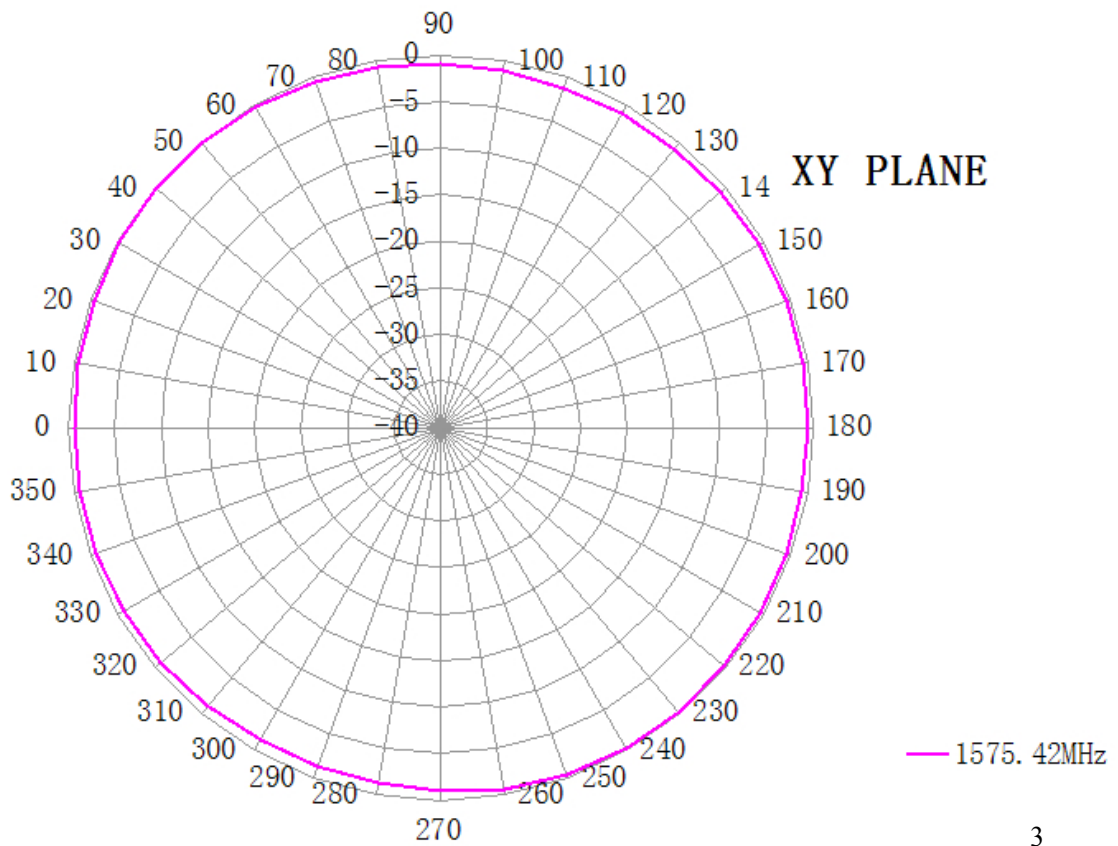
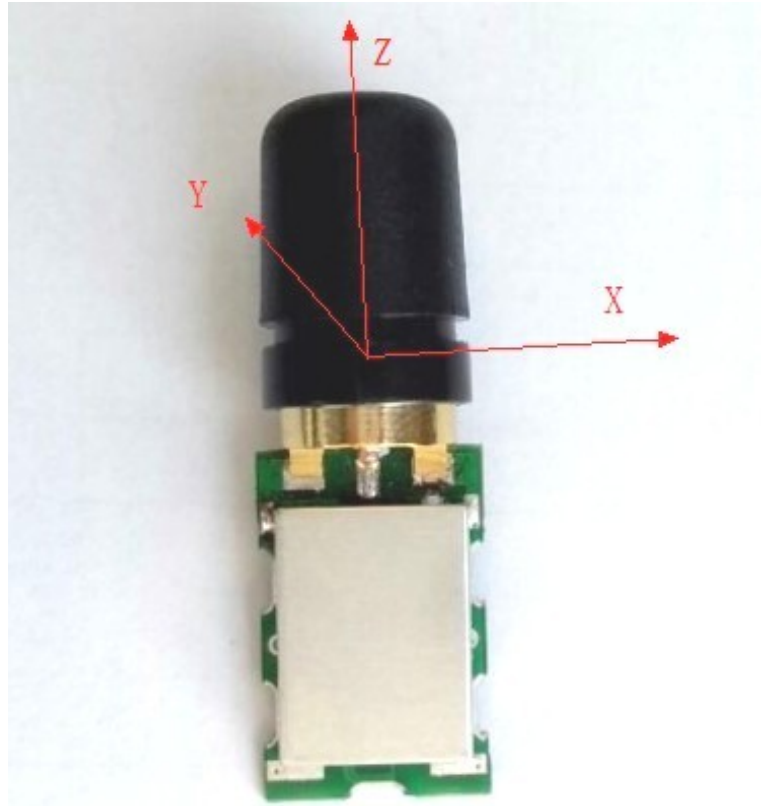
Relative Humidity range up to 65%RH

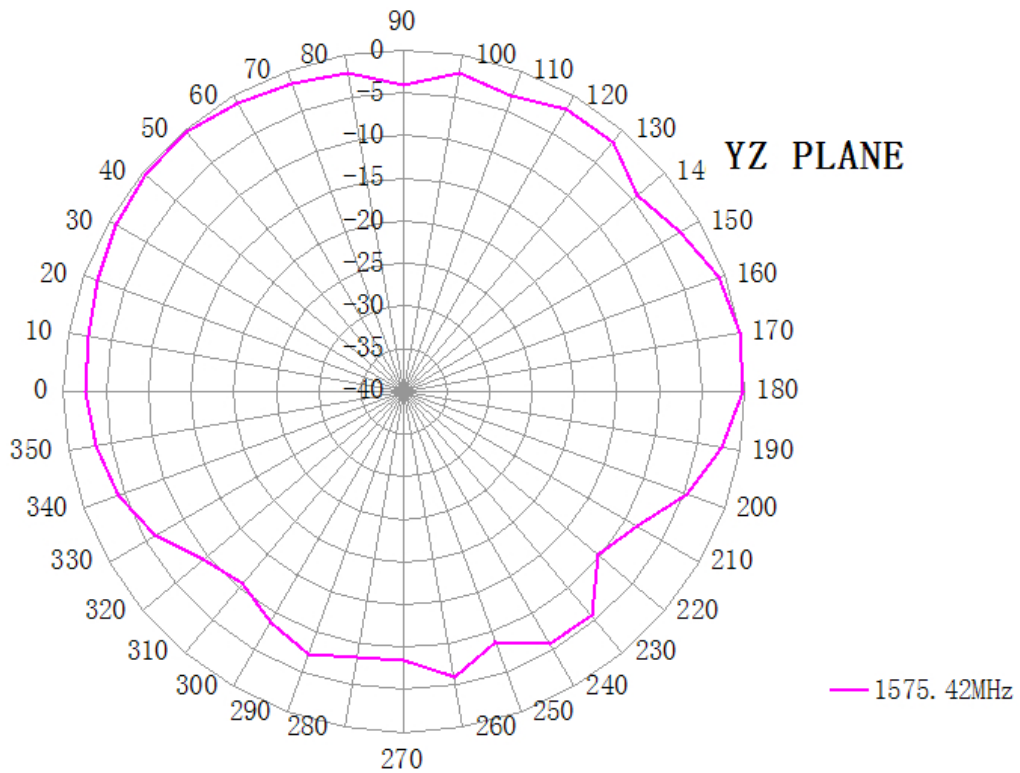
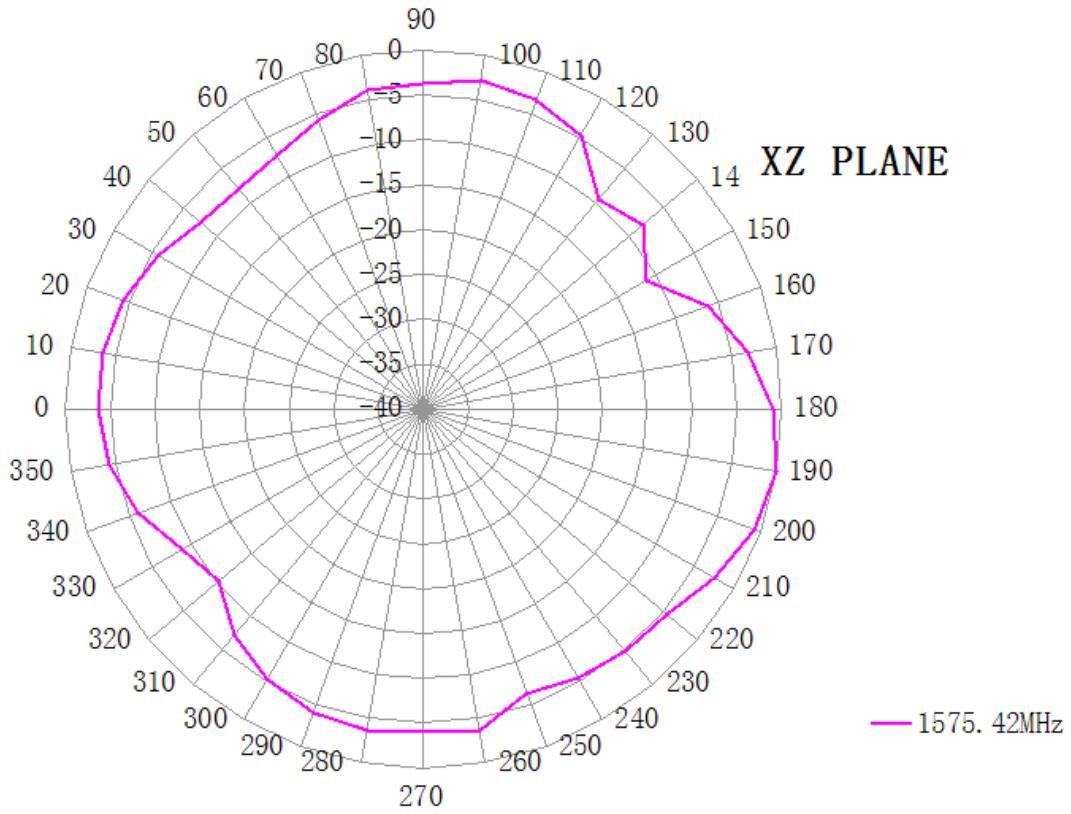
Operating Temperature range $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Storage Temperature range $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$

ROHS Compliant

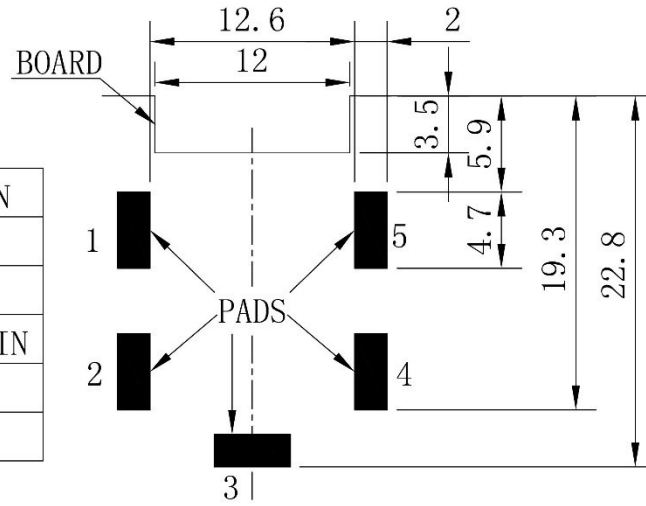
6 Radiation Pattern





6 Recommended Pads

PIN	APPLICATION
1	GND
2	GND
3	RF OUT、DC IN
4	GND
5	GND



Unit:mm