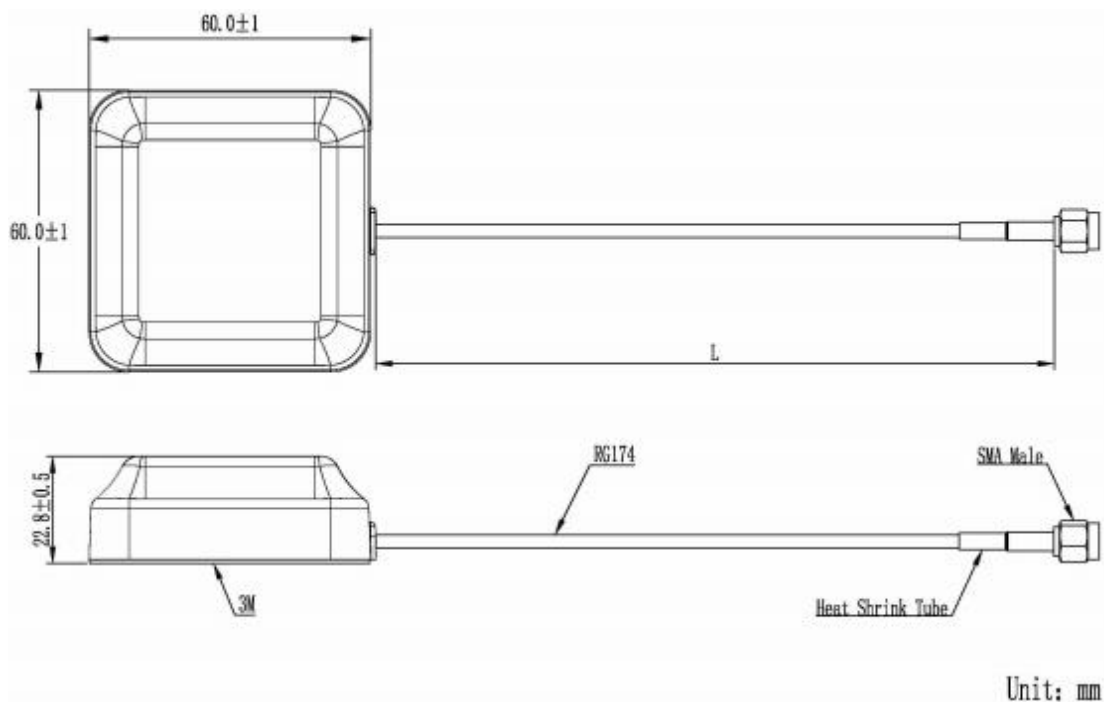


High Accuracy GNSS Active Antenna **JCA231-300-01S-C-L5**



DIMENSIONS



ZHEJIANG JC ANTENNA CO.,LTD

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Jinchang Electron Global Service

SPECIFICATIONS

Item		Specifications
Antenna	Frequency	GPS L1/L5 GLONASS G1/G2/G3 COMPASS B1/B2/B3 Galileo E1/L1/E2/E5b
	Polarization	RHCP
	Axial Ratio(min)	$\leq 3\text{dB}$
	V.S.W.R	≤ 2.0
	Peak Gain	$\geq 2\text{dBi}$
	Impedance	$50\ \Omega$
	Horizontal coverage angle	360°
LNA	Gain	$28 \pm 2\text{dB}$
	Noise Figure	$\leq 1.5\text{dB}$
	Passband fluctuation	$\pm 1.5\text{dB}$
	Supply Voltage	3~12V DC
	Current Consumption	$\leq 50\text{mA}$
	V.S.W.R	≤ 2.0
Mechanical	Connector	SMA male
	Cable	RG174 3M
	Mounting Method	Magnet
Environmental	Operating Temperature	$-40^\circ\text{C} \sim +85^\circ\text{C}$
	Ingress Protection	IP66
	Relative Humidity	Up to 95%
	Vibration	10 to 55Hz with 1.5mm amplitude 2hours
	Environmentally Friendly	ROHS Compliant

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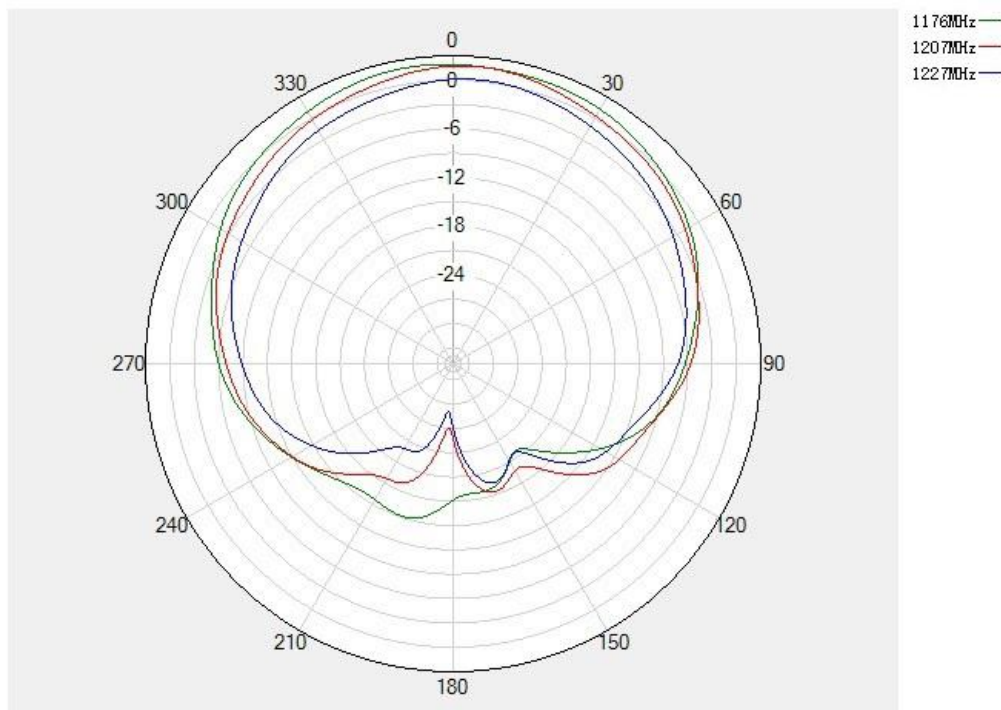
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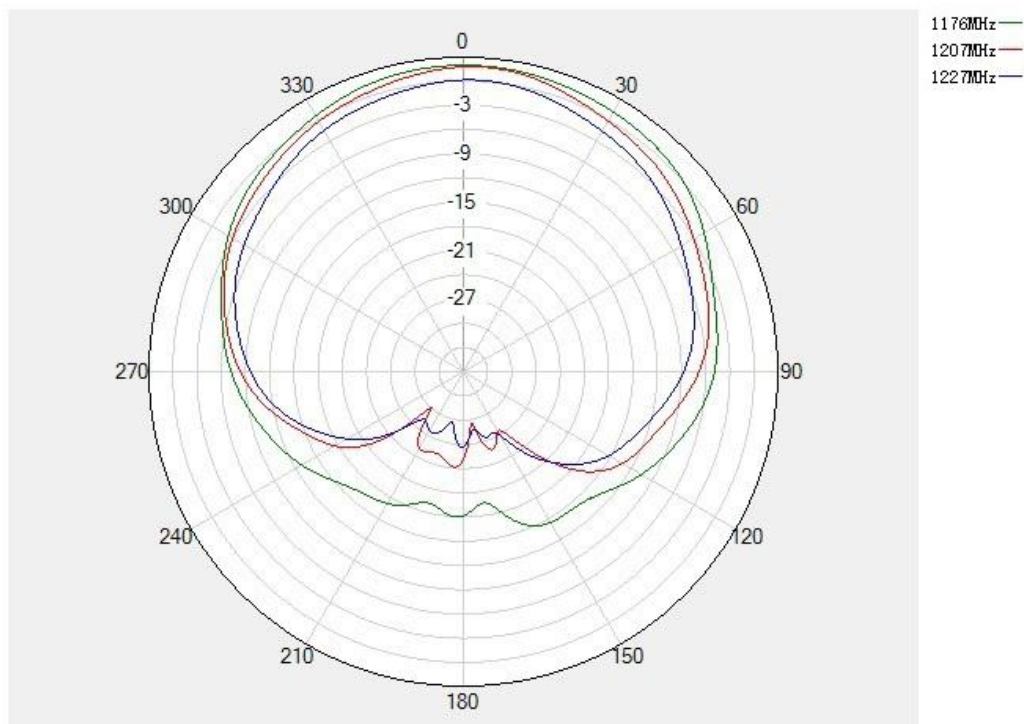
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Radiation Pattern

XZ Plane



YZ Plane



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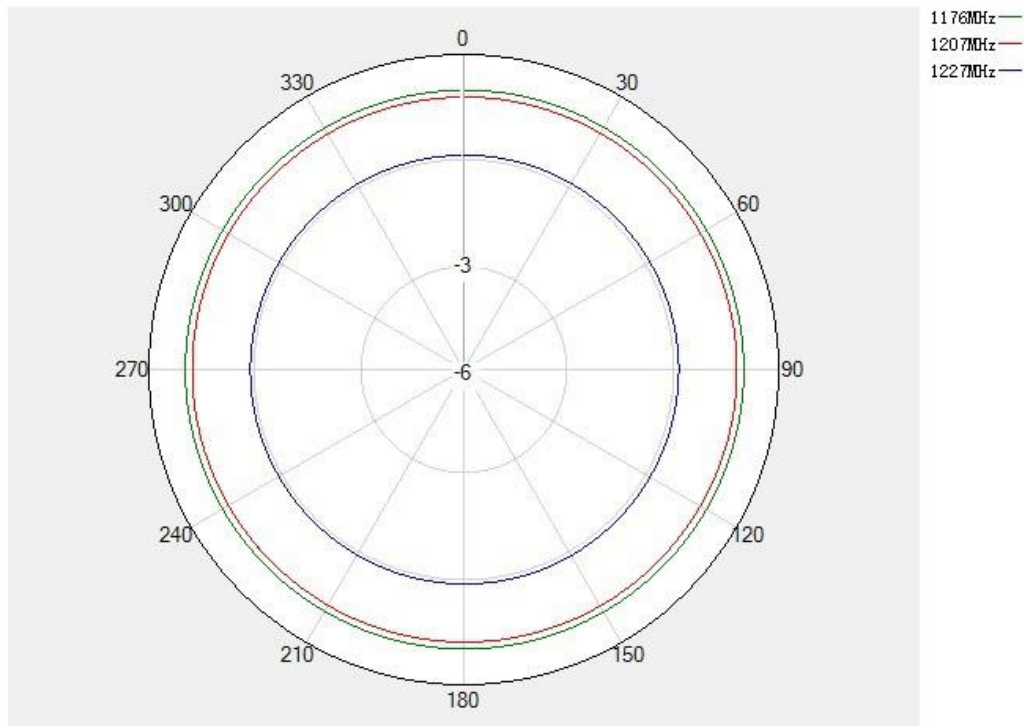
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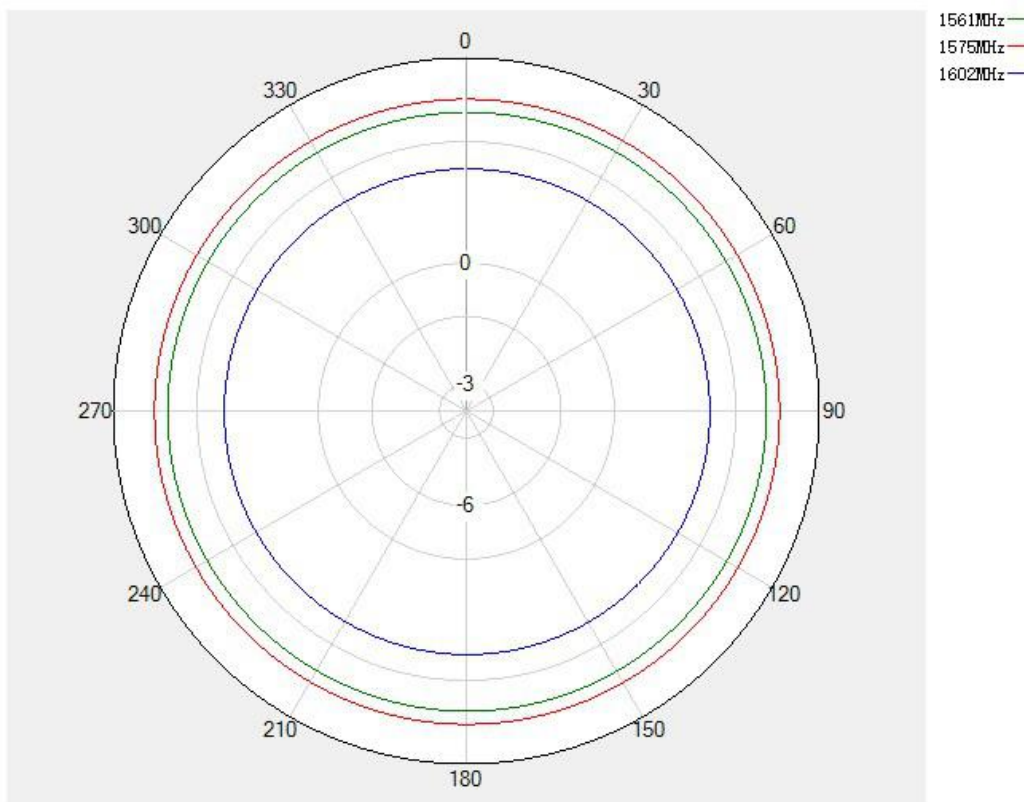
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XY Plane



XY Plane



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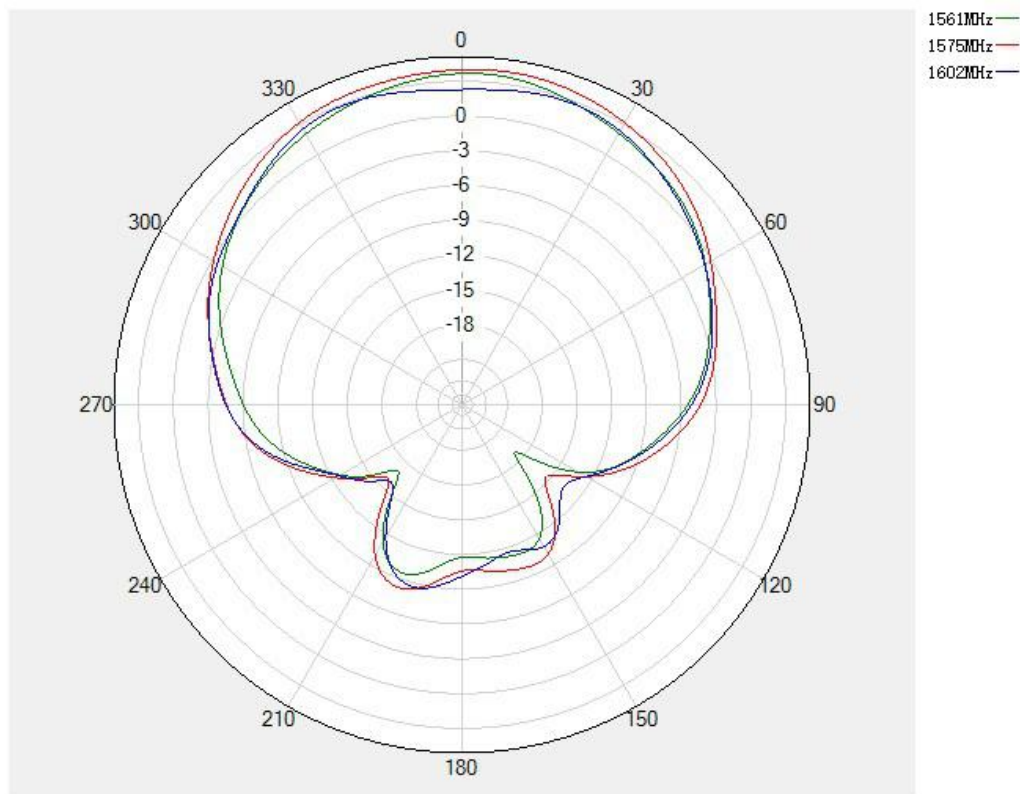
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XZ Plane



YZ Plane

