



Applications:

- ④ IOT
- ④ 5G FR1 band coverage
- ④ 3G, 4G backwards compatible

Electrical specifications @ 25° C

General Specifications

Antenna Type	Nominal Impedance	Polarization	Radiation Pattern
External	50Ω	Vertical	Omni

Frequency (MHz)	0.617~0.96 GHz /1.71~2.7GHz/3.3~3.7 GHz
VSWR	≤ 3.0
Return Loss	≤ -5dB
Efficiency (%)	0.617~0.96 GHz band: 40% 1.71~2.70GHz band: 50% 3.3~3.7 GHz band: 50%
Gain(dBi)	1±1dBi @ 0.617~0.96GHz 2.5±1.5dBi @ 1.71~2.70GHz 1±0.5dBi @ 3.3~3.7GHz

Mechanical Specifications

Orderable PN: SWA2241C04

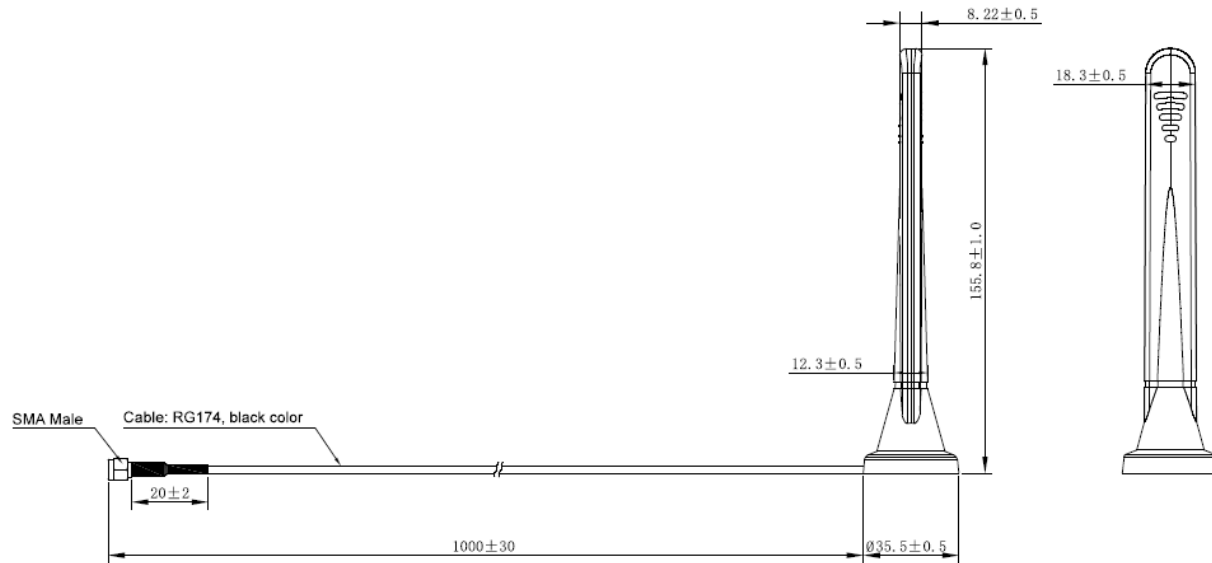
Dimension (Diameter x Height)	Cable Type	Cable Length	Connector	Connector Pull Force
Ø35.5mm*155.8mm	RG174, Black color	1000mm	SMA Male	≥3.0Kg
Fixing System	Material of Plastic	Ingress Protection		
Magnetic Installation	ABS	IP66		

Notes:

1. Storage Temperature: -30°C to 80°C
2. Working Temperature: -30°C to 80°C

Mechanical Drawing

SWA2241C04



Dimension Unit: mm

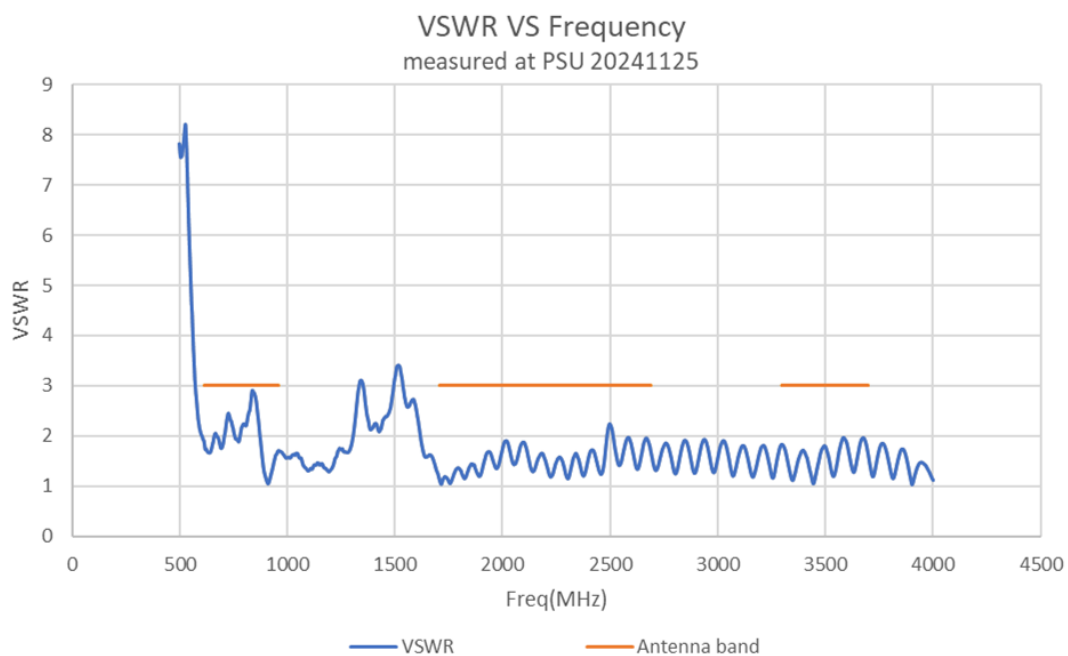
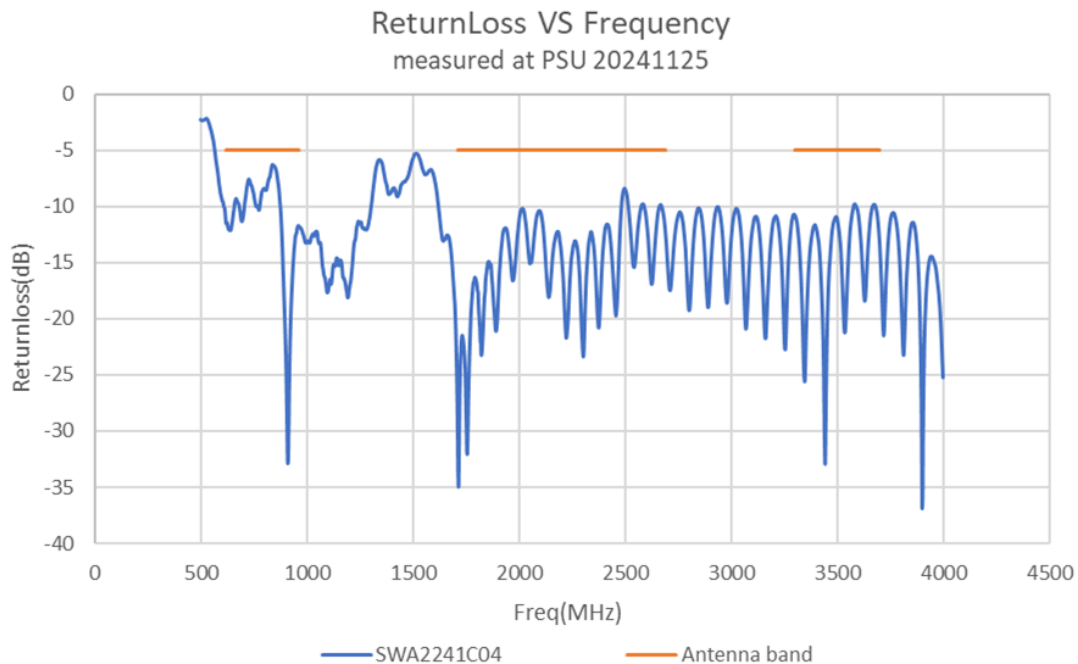
Test Setup

SWA2241C04



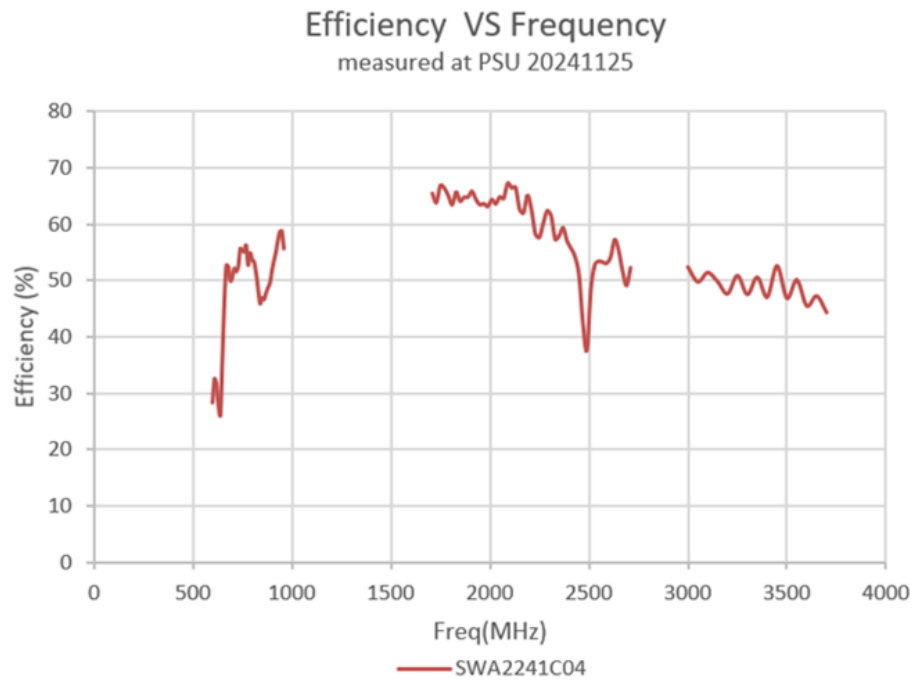
Charts- Antenna Return Loss & VSWR

SWA2241C04

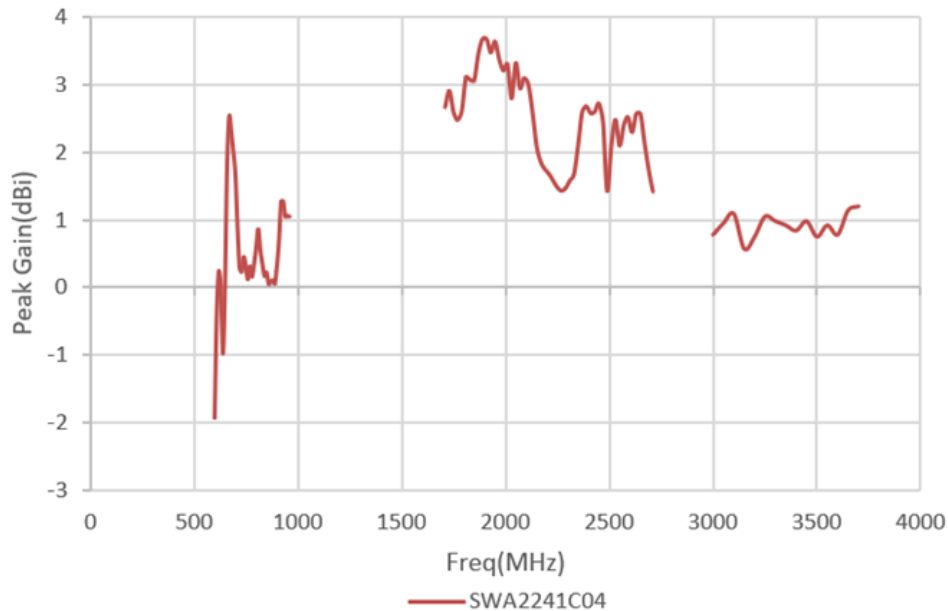


Charts – Efficiency & Peak Gain

SWA2241C04



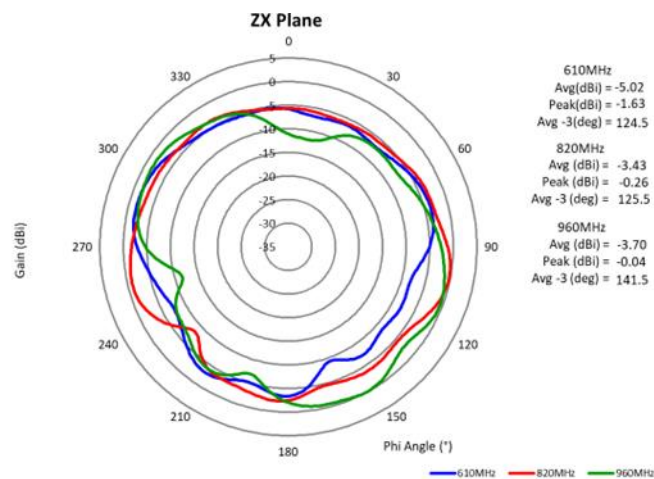
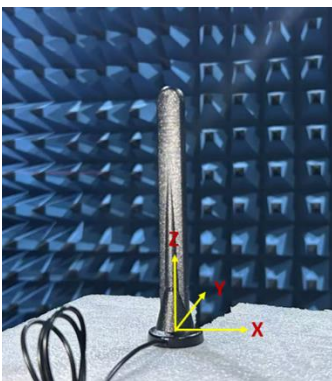
Peak Gain VS Frequency
measured at PSU 20241125

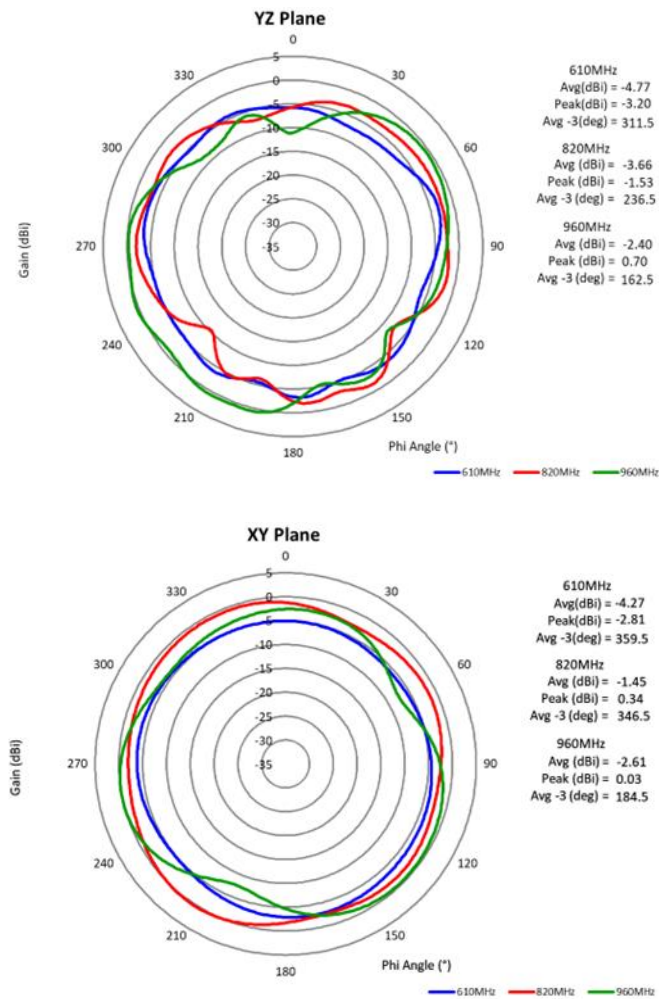


Charts – Efficiency & Peak Gain

SWA2241C04

610,820,960MHz

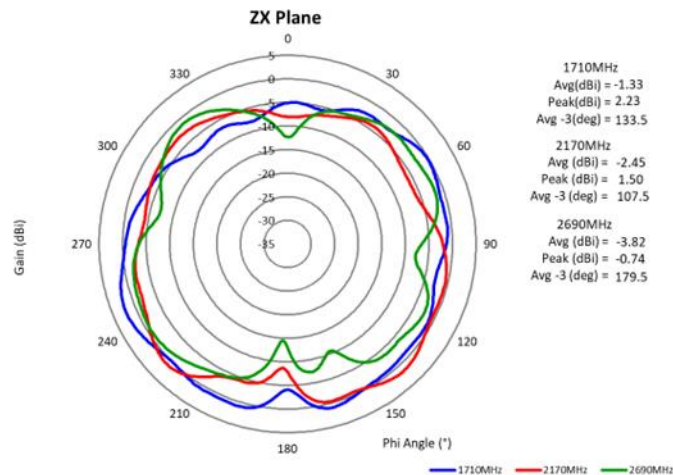
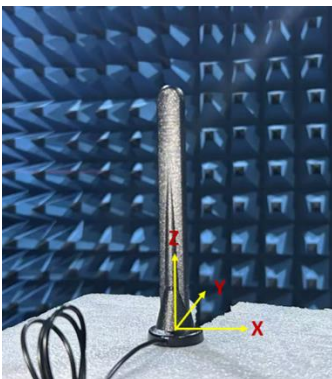


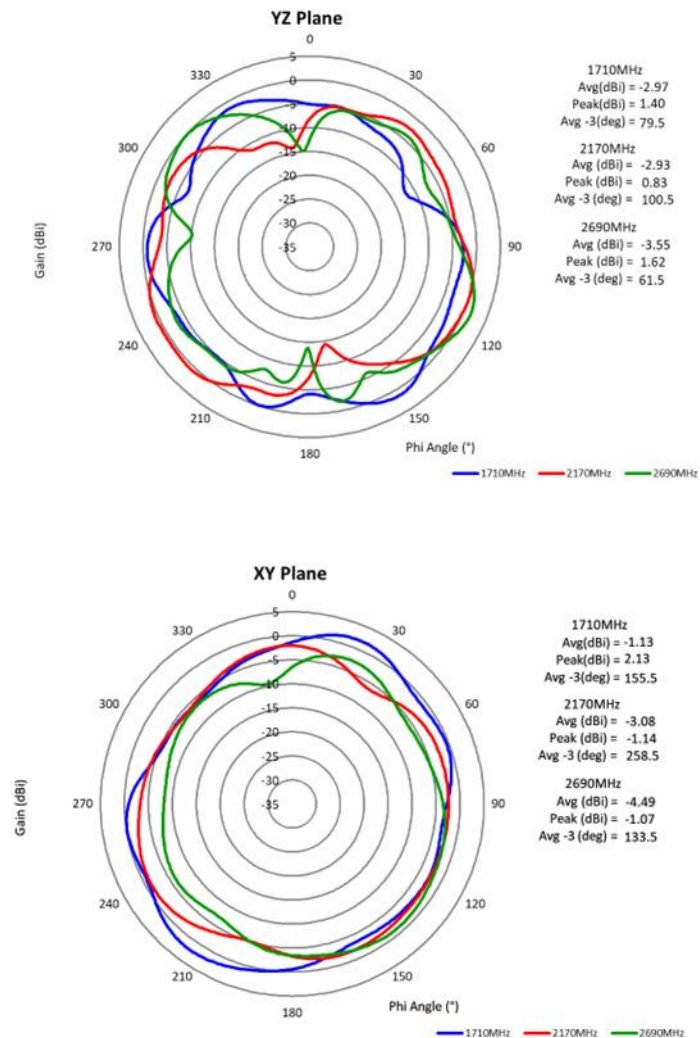


Charts – Efficiency & Peak Gain

SWA2241C04

1710,2170, 2690 MHz

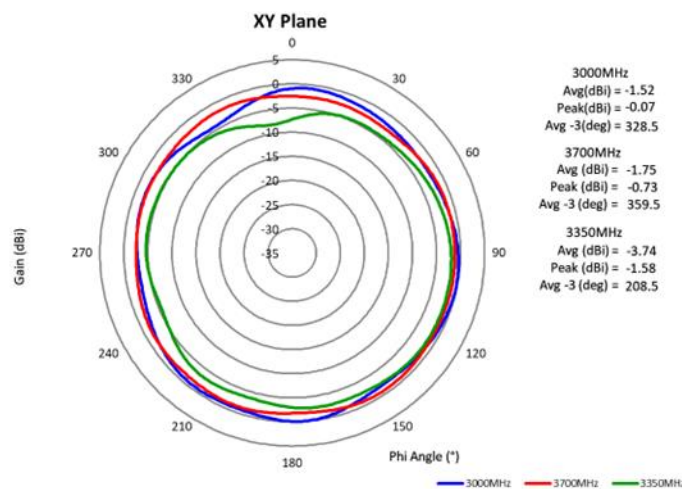
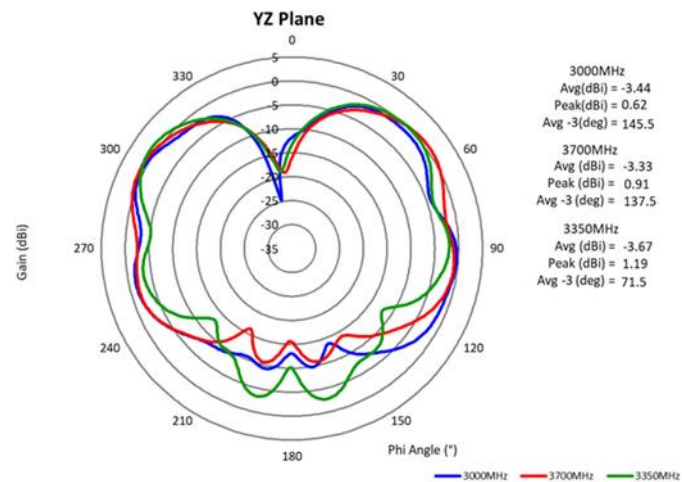
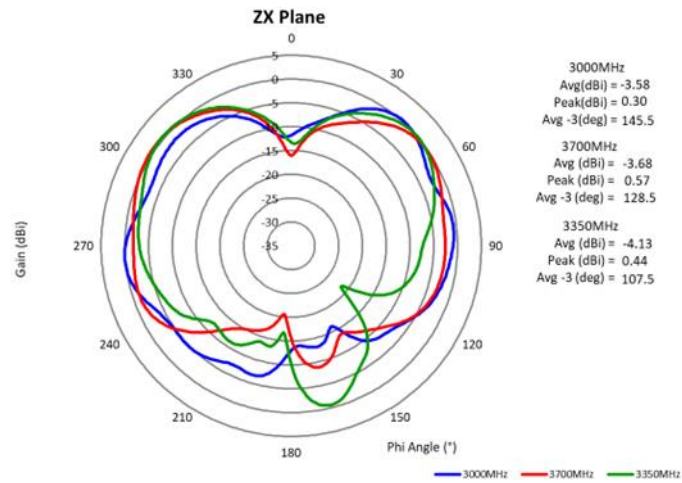
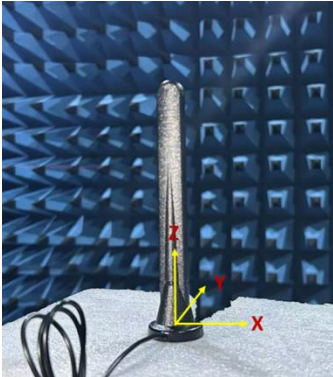




Charts – Efficiency & Peak Gain

SWA2241C04

3000,3700, 3350 MHz



Package

SWA2241C04

1 pc/PE bag
10 PE bags/group
21 groups/box
Total 210pcs/box



1pc/PE bag



10 PE bags/group



21 groups/box



210pcs/box

For More Information:

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