



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

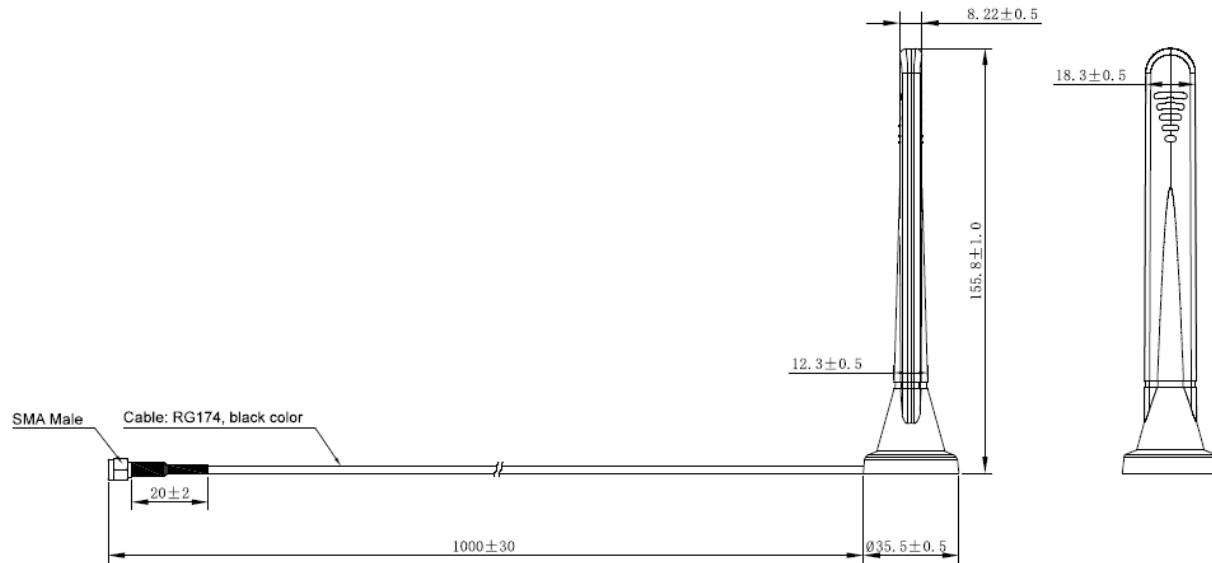
Dimension (Diameter x Height)	Cable Type	Cable Length	Connector	Connector Pull Force
Ø35.5mm*155.8mm	RG174, Black color	1000mm	SMA Male	≥3.0Kg
Fixing System	Material of Plastic	Ingress Protection		
Magnetic Installation	ABS	IP66		

Notes:

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

Mechanical Drawing

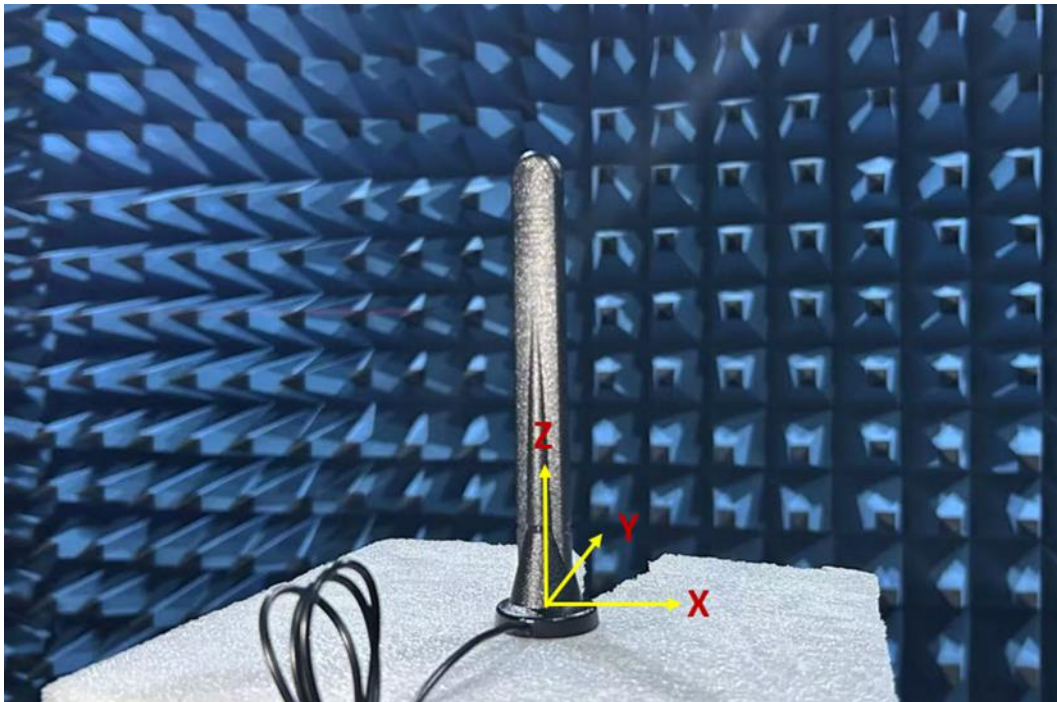
SWA2241C04



Dimension Unit: mm

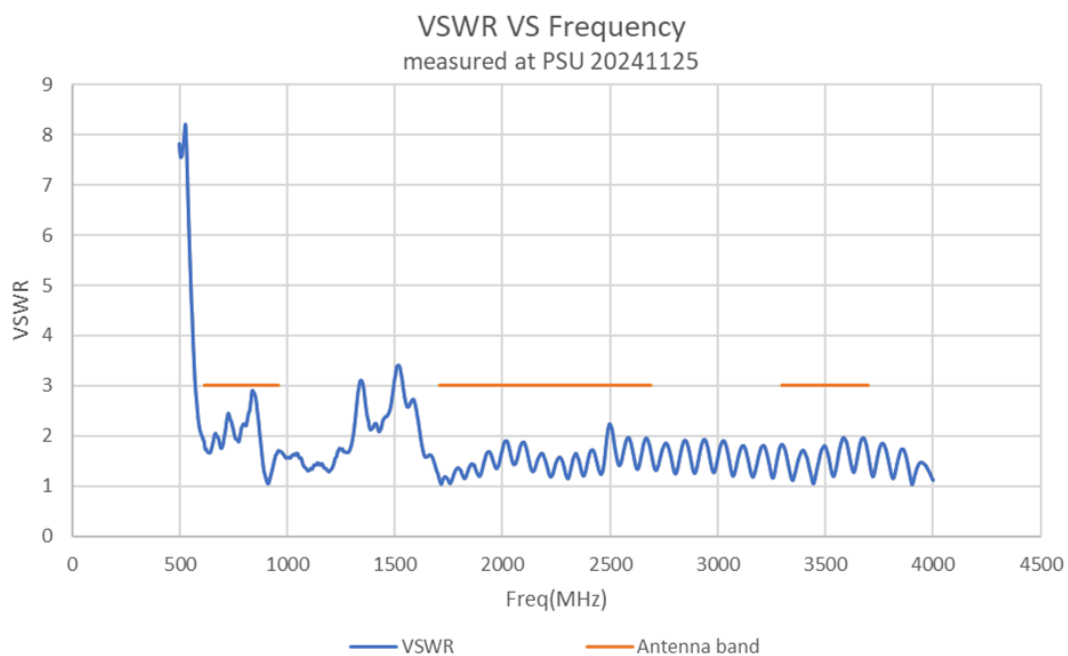
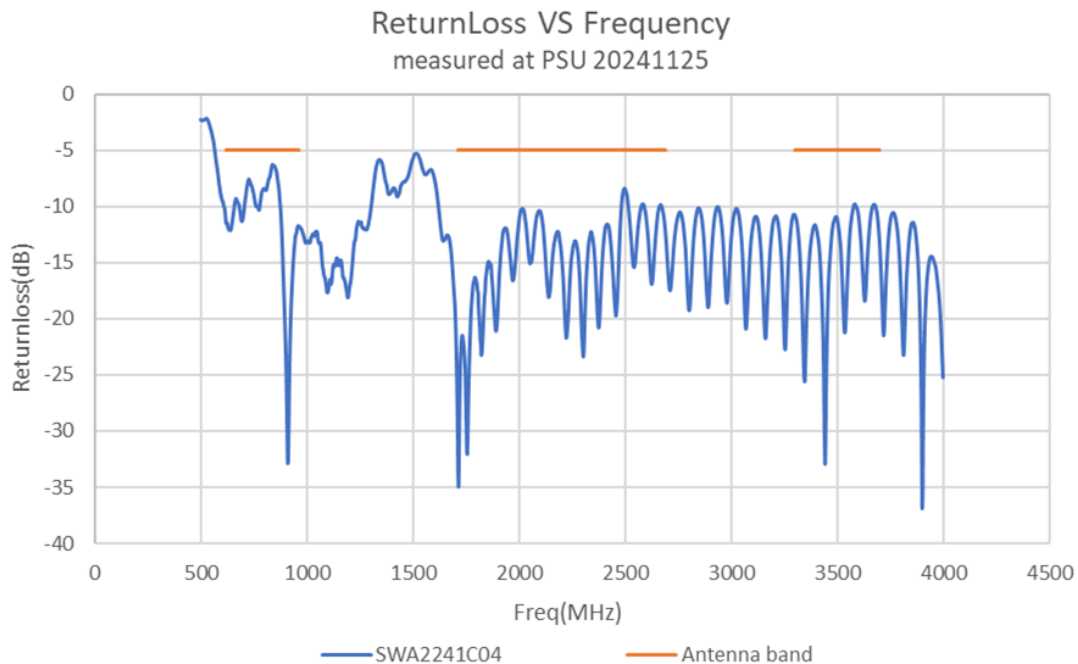
Test Setup

SWA2241C04



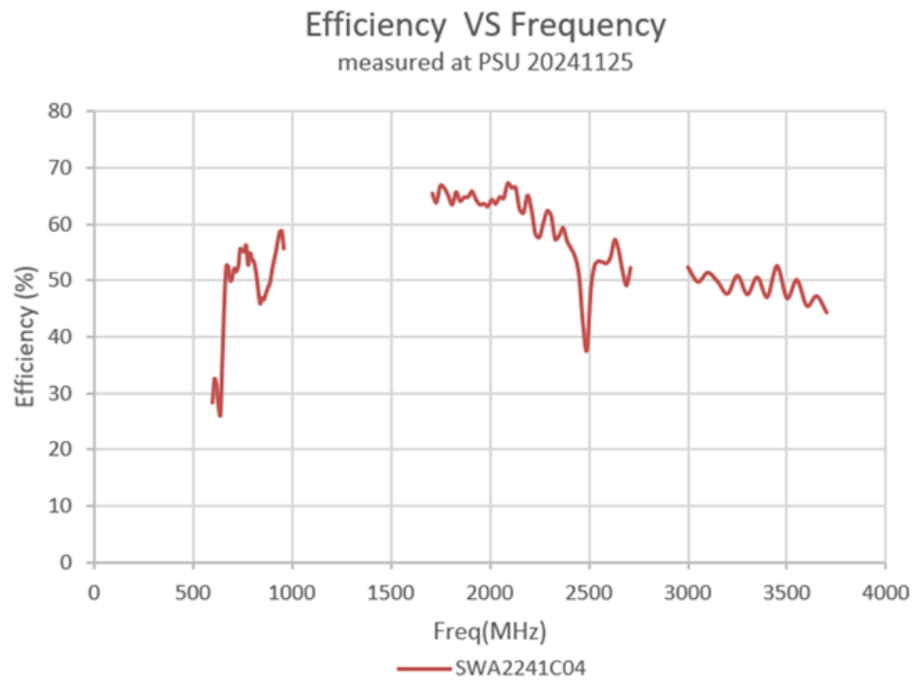
Charts- Antenna Return Loss & VSWR

SWA2241C04

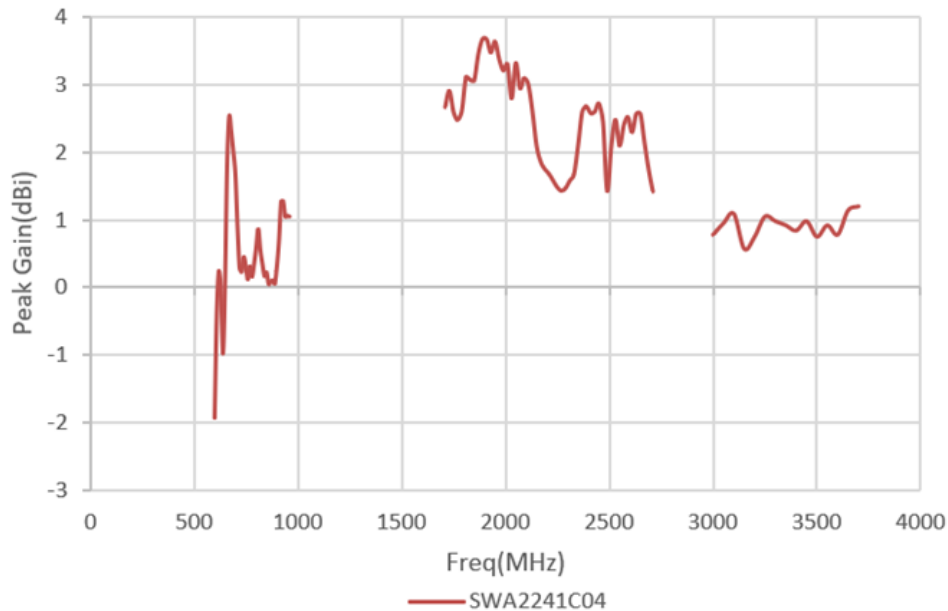


Charts – Efficiency & Peak Gain

SWA2241C04



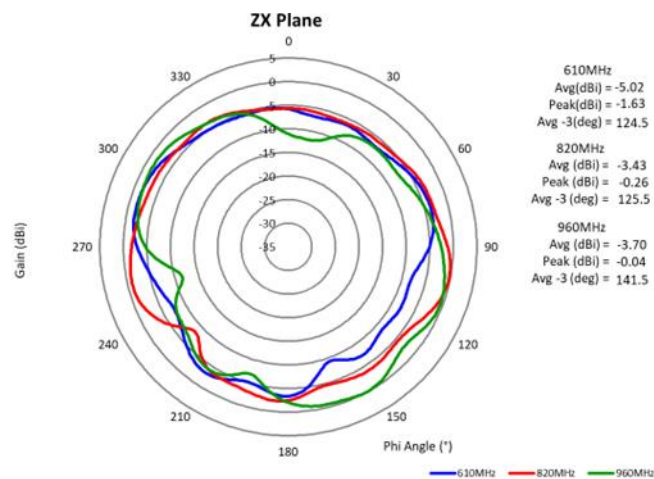
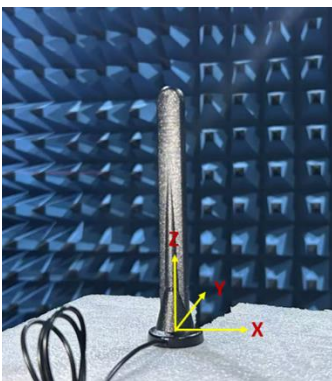
Peak Gain VS Frequency
measured at PSU 20241125

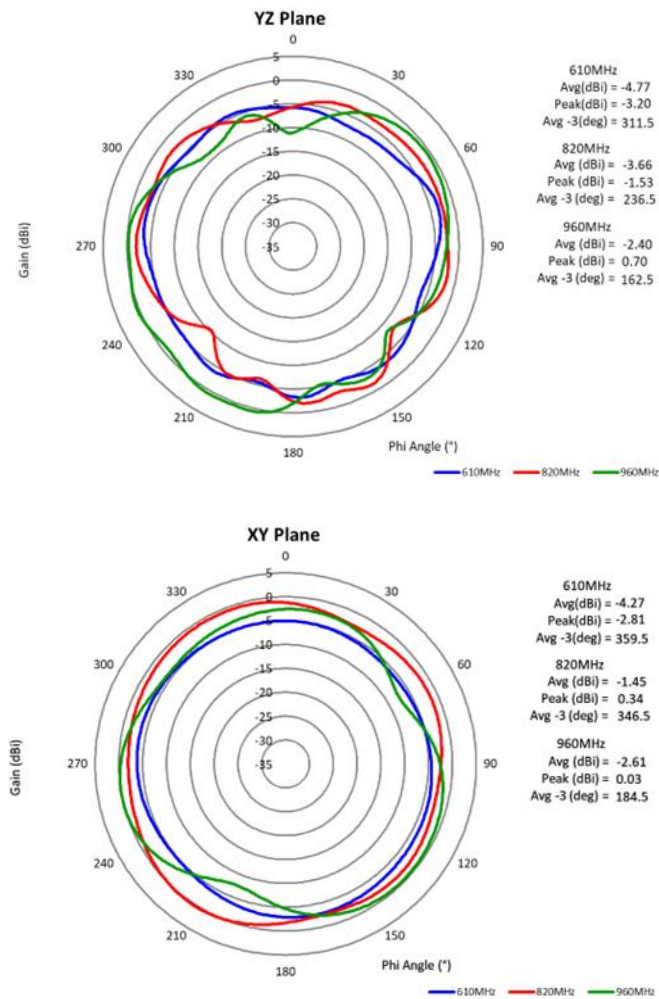


Charts – Efficiency & Peak Gain

SWA2241C04

610,820,960MHz

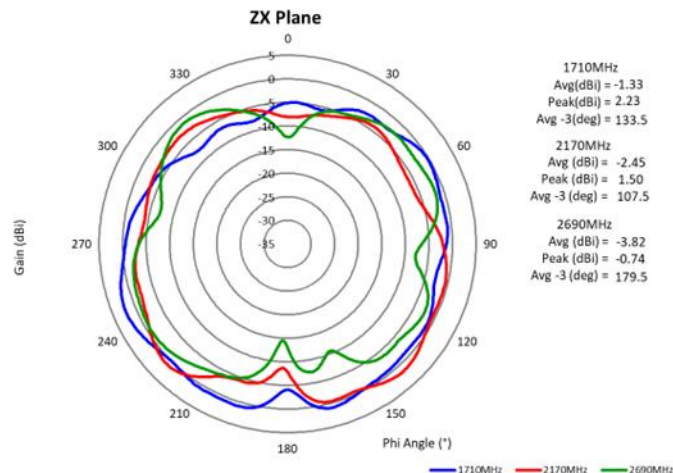
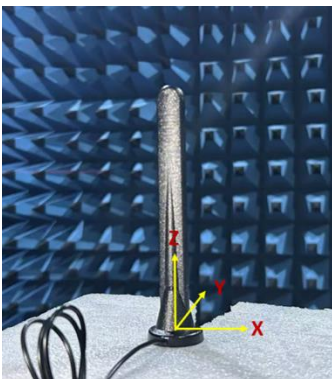


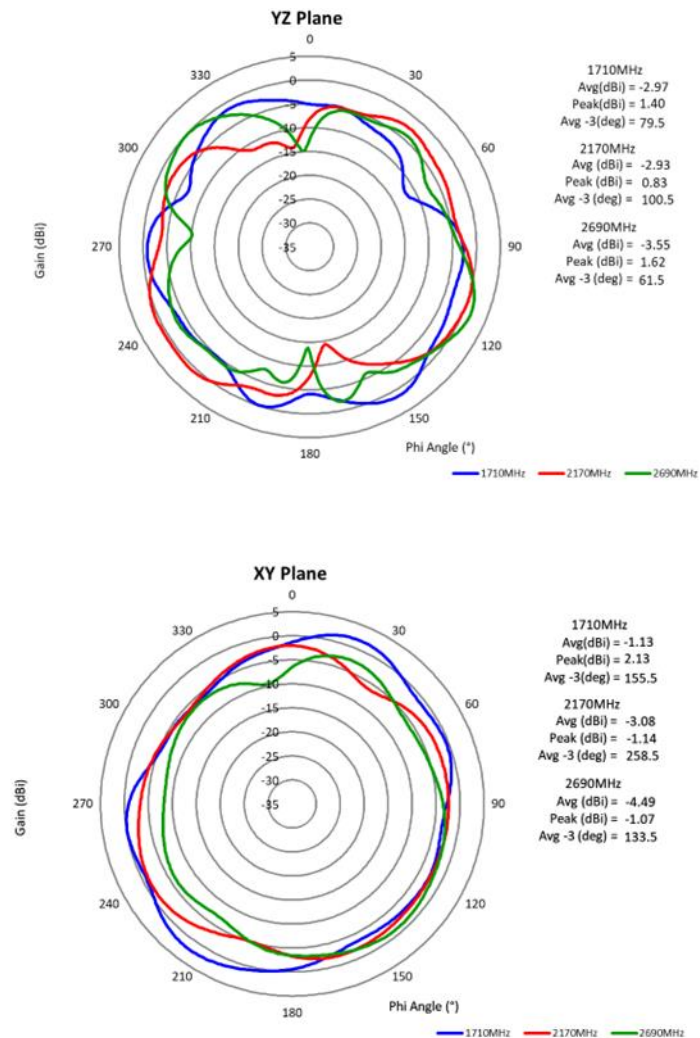


Charts – Efficiency & Peak Gain

SWA2241C04

1710,2170, 2690 MHz

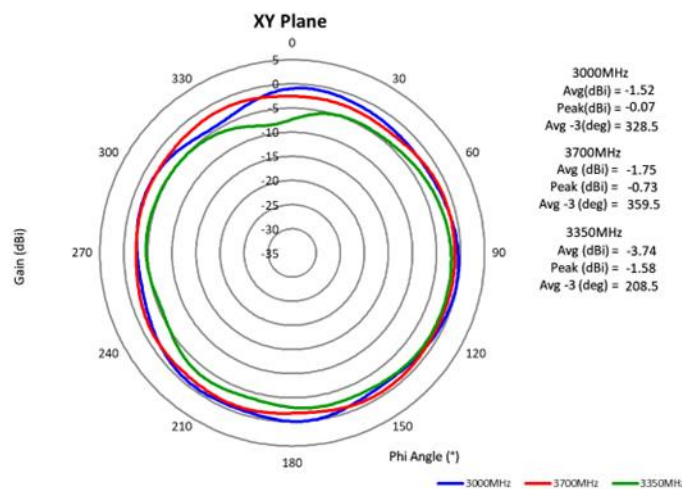
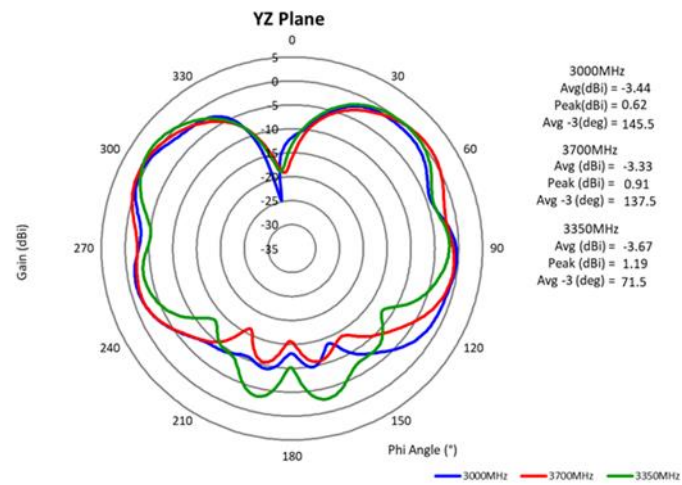
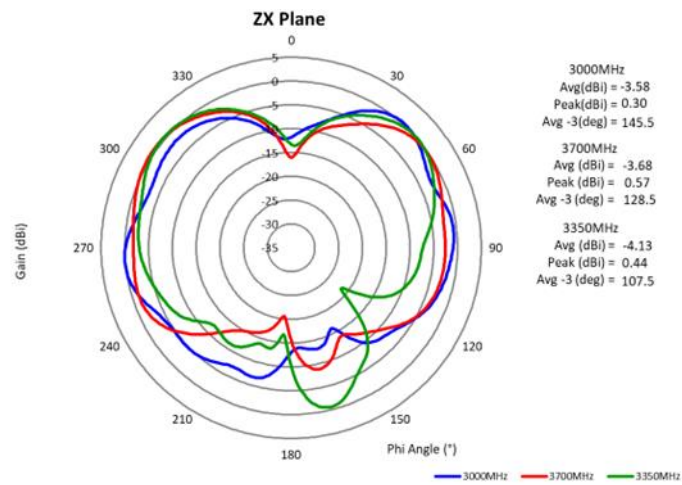
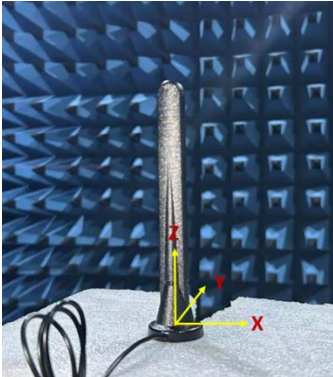




Charts – Efficiency & Peak Gain

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:

Americas - antennas.us@pulseelectronics.com | Europe - antennas.eu@pulseelectronics.com | Asia - antennas.as@pulseelectronics.com | Questions? +1-800-ANTENNA
Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright , 2020. Pulse Electronics, Inc. All rights reserved.
Company address: Pulse Electronics, a YAGEO Company, 15255 Innovation Drive, Suite #100, San Diego, CA 92128

'YAGEO Corporation and its affiliates do not recommend the use of commercial, automotive, and/or COTS grade products for high reliability applications or manned space flight.'