chanhvinh.com

4G/5G Antenna
Magnetic Installation

SWA2241C04



Applications:

- IOT
- 5G FR1 band coverage
- 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

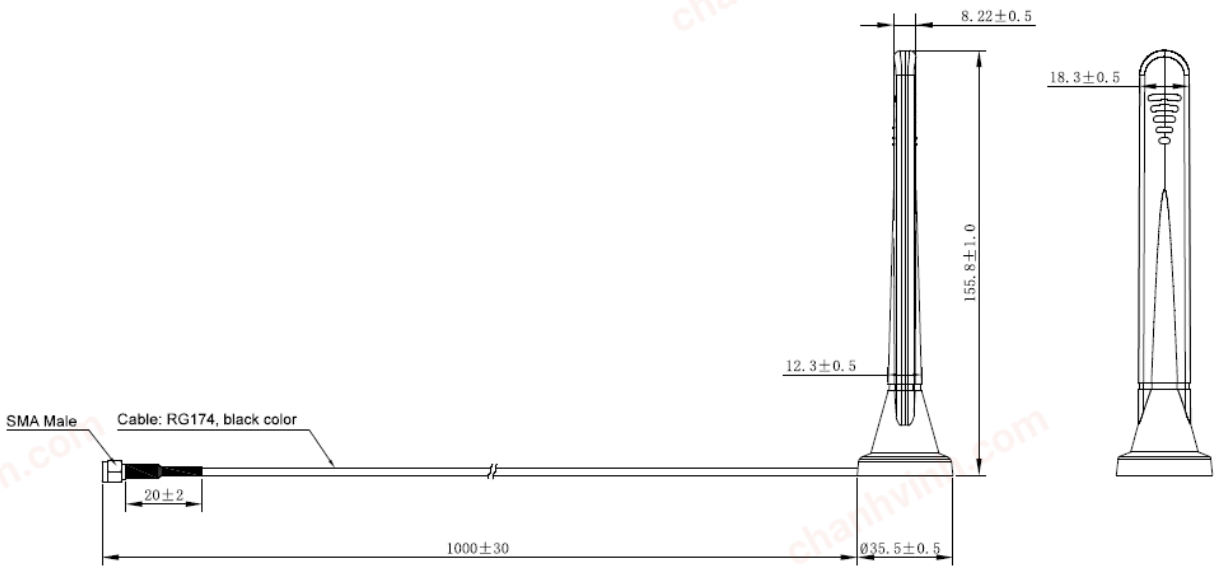
Mechanical Specifications				
Orderable PN: SWA2241C04				
Dimension (Diameter x Height)	**Cable Type**	**Cable Length**	**Connector**	**Connector Pull Force**
Ø35.5mm*155.8mm	RG174, Black color	1000mm	SMA Male	≥3.0Kg
Fixing System	**Material of Plastic**	**Ingress Protection**		
Magnetic Installation	ABS	IP66		

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

chanhvinh.com

Mechanical Drawing

SWA2241C04



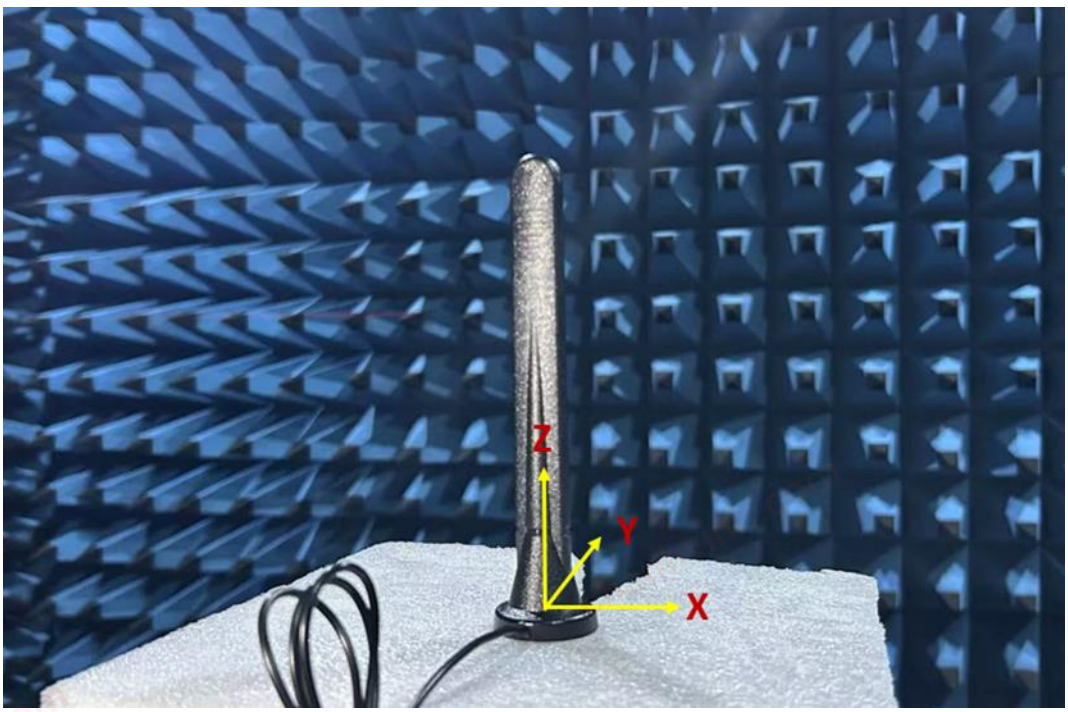
Dimension Unit: mm

chanhvinh.com

Test Setup

SWA2241C04

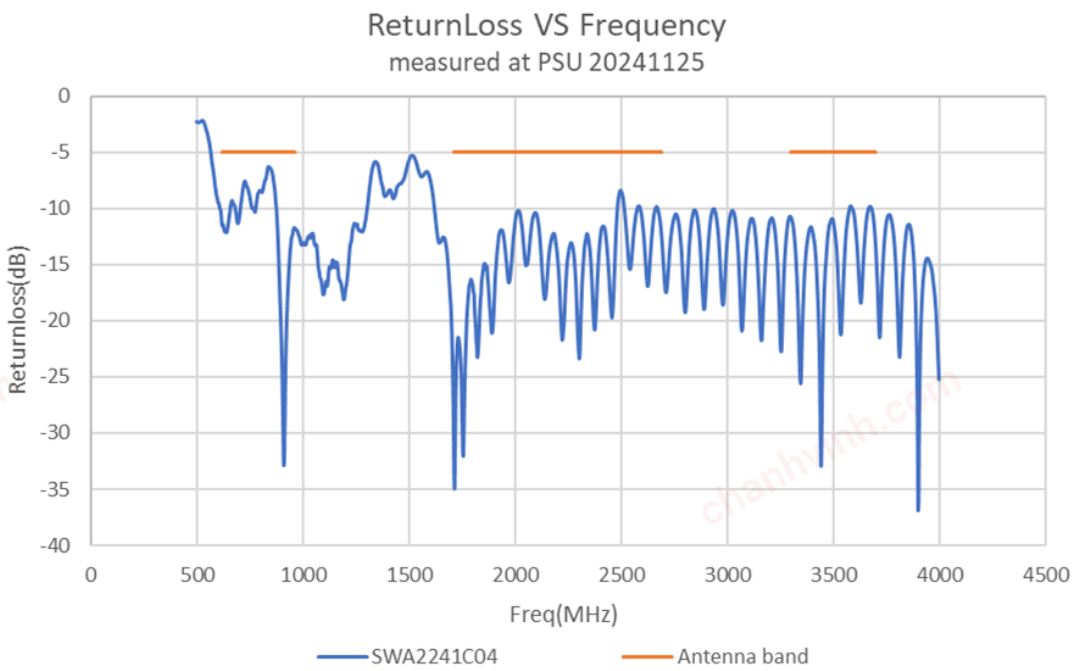


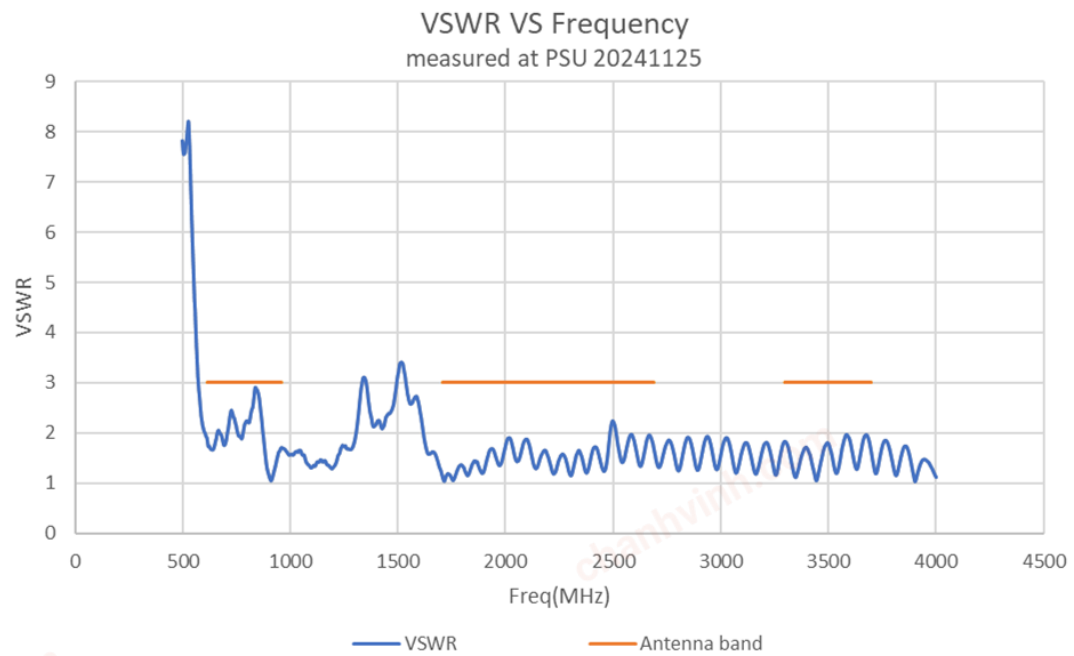


chanhvinh.com

Charts- Antenna Return Loss & VSWR

SWA2241C04

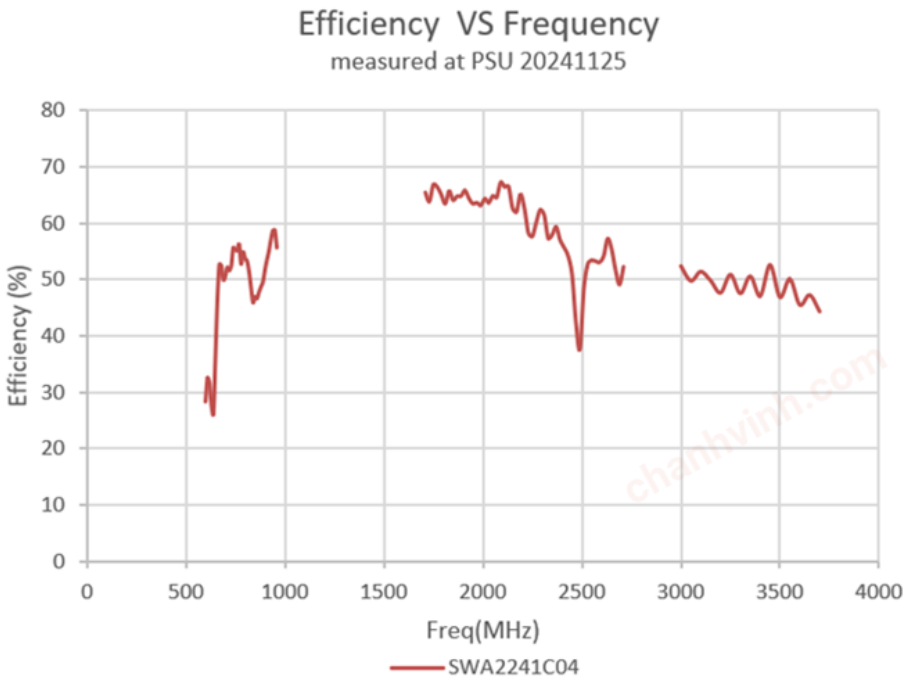




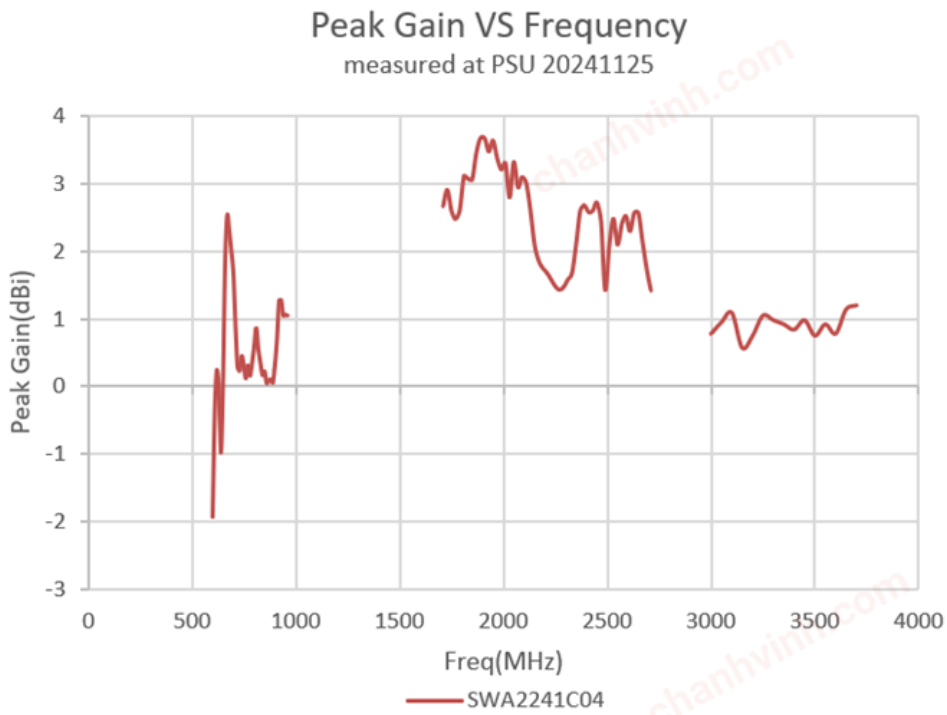
chanhvinh.com

Charts – Efficiency & Peak Gain

SWA2241C04

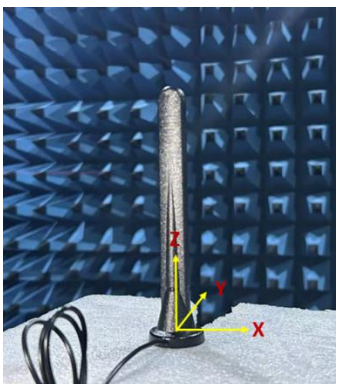


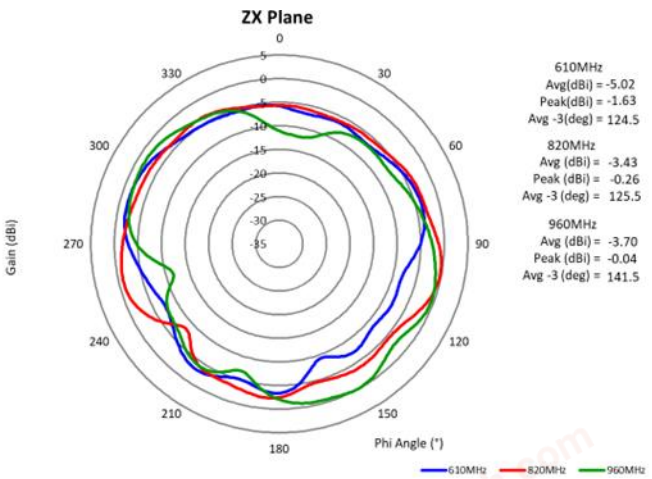
chanhvinh.com



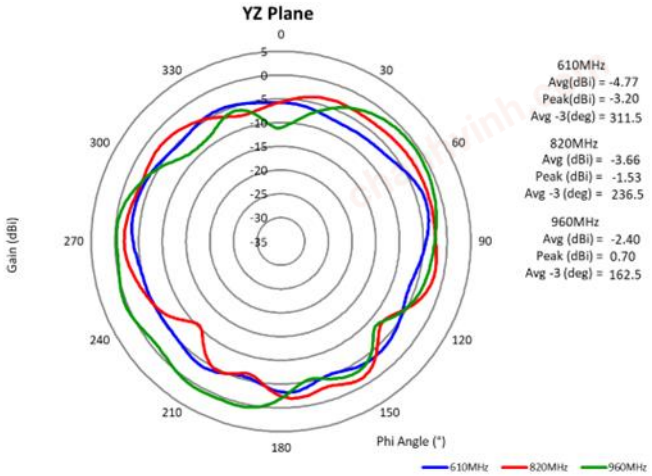
Charts – Efficiency & Peak Gain

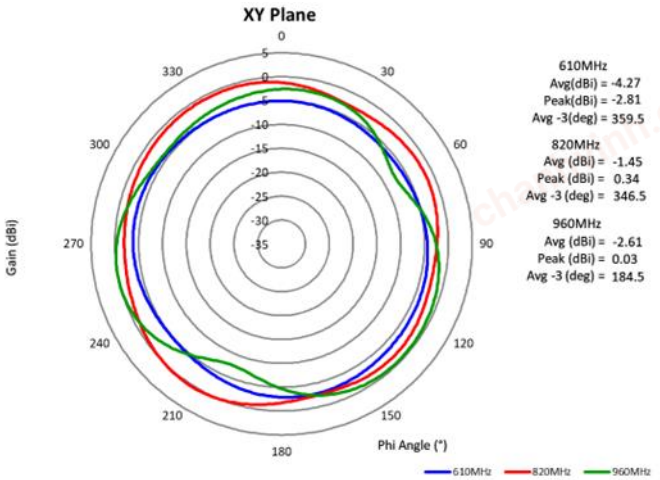
SWA2241C04	610,820,960MHz





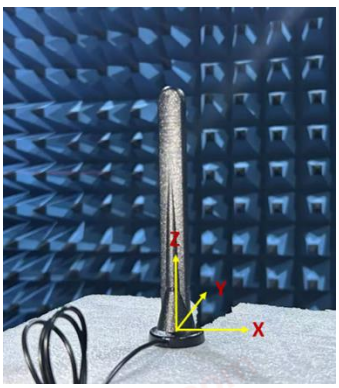
chanhvinh.com

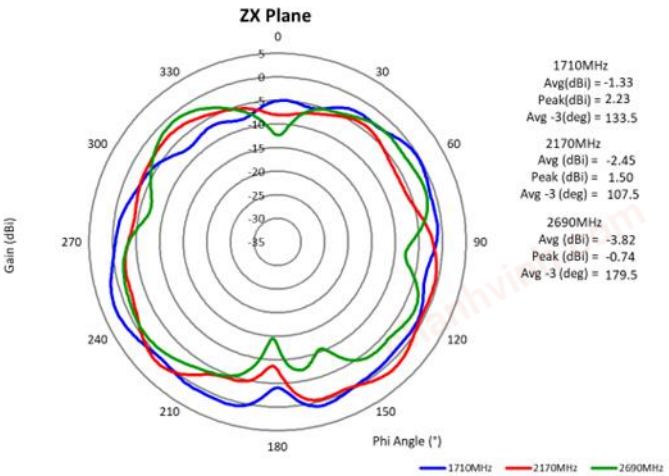




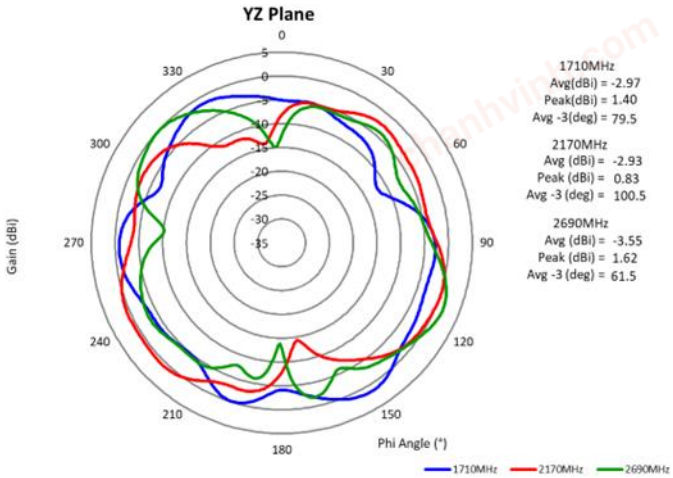
Charts – Efficiency & Peak Gain

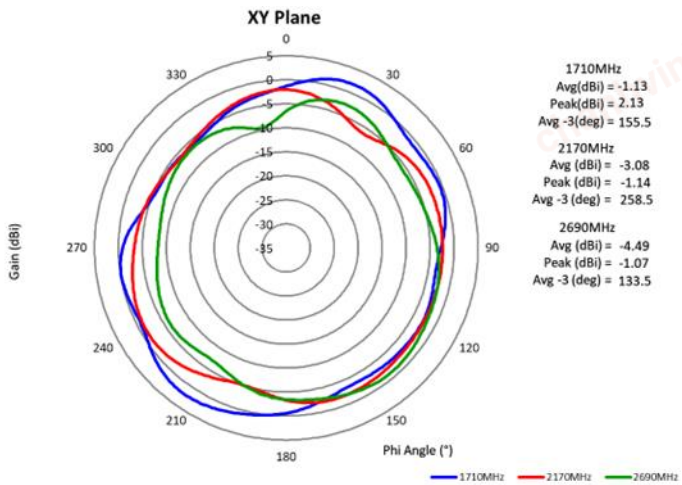
SWA2241C04	1710,2170, 2690 MHz





chanhvinh.com





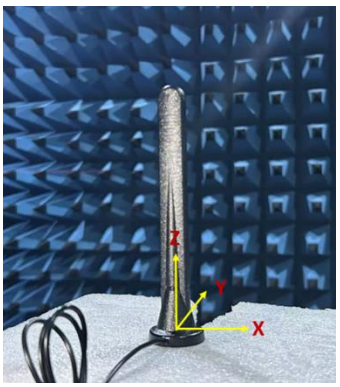
Charts – Efficiency & Peak Gain

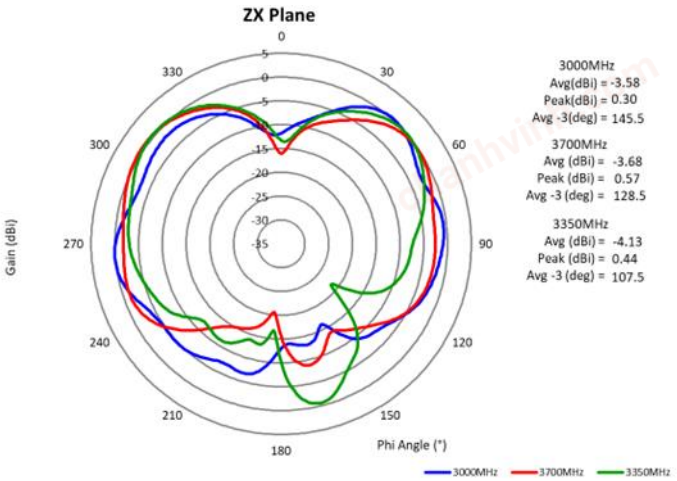
SWA2241C04	3000,3700, 3350 MHz

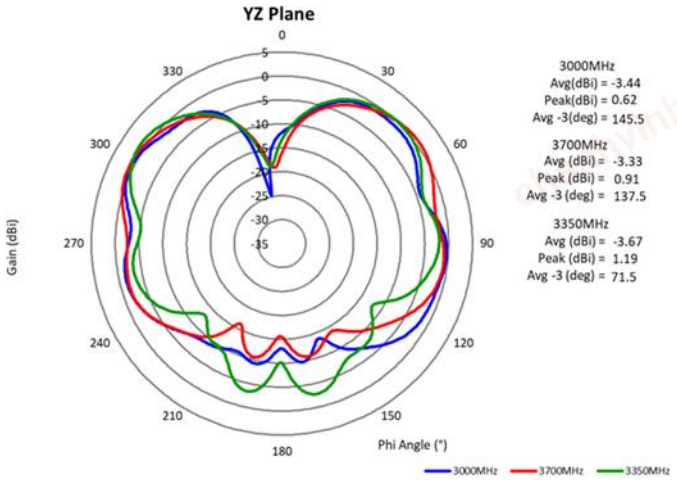
chanhvinh.com

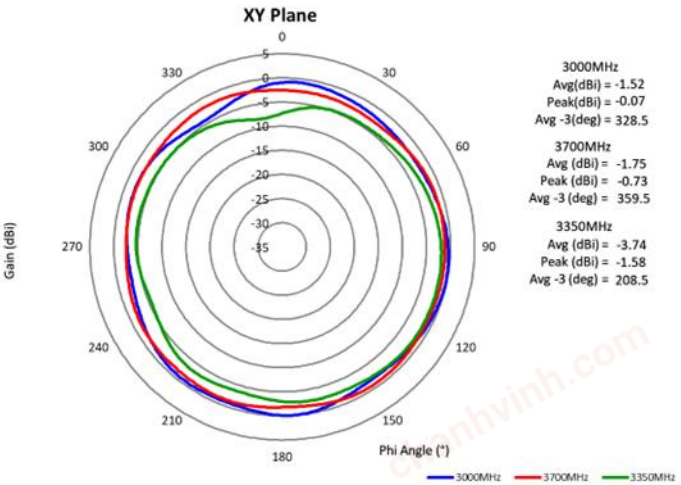
4G/5G Antenna
Magnetic Installation

SWA2241C04









chanhvinh.com

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.'