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TECHNICAL DATA SHEET

Description: 5G FR1 617-7125MHz SWIVEL MOUNT DIPOLE

Series: Blade Antenna

PART NUMBER: W5151



Features:

- 617-960 / 1430-7125 MHz
- Gain 0.9 / 3.8 dBi
- Efficiency 58 / 70 %
- Length 223mm (straight)
- IP 65
- Connector SMA Male

Applications:

- 5G FR1
- 2G/3G/4G compatible
- WiFi 6E 7GHz supported
- Access points
- Routers, Gateways
- IoT, Nb-IoT, LTE CAT-M1

All dimensions are in mm / inches

Preliminary

RoHS COMPLIANT

Issue: 2047

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For more information:

Pulse Worldwide Headquarters
15255 Innovation Drive #100
San Diego, CA 92128
USA
Tel:1-858-674-8100

Pulse/Larsen Antennas
18110 SE 34th St Bldg 2 Suite 250
Vancouver, WA 98683
USA
Tel: 1-360-944-7551

Europe Headquarters
Pulse GmbH & Do, KG
Zeppelinstrasse 15
Herrenberg, Germany
Tel: 49 7032 7806 0

Pulse (Suzhou) Wireless Products Co, Inc.
99 Huo Ju Road(#29 Bldg,4th Phase
Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998

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ELECTRICAL SPECIFICATIONS

Frequency	617-960/1430-7125MHz
Nominal Impedance	50 Ω
Return Loss	<-6
Radiation Pattern	Omni
Gain(617-960MHz)	0.9dBi+/-1dB
Gain(1430-7125MHz)	3.8dBi+/-2dB
Efficiency (617-960MHz)	58%
Efficiency (1430-7125MHz)	70%
Polarization	Vertical
Power Withstanding	3W

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MECHANICAL SPECIFICATIONS

Plastic radome	ABS/PC
Color	Black
Connector type	SMA Male
Flammability	UL94-V0
Ingress Protection	IP65
Weight	56.8 g
Overall Length	223.24[8.79] mm [INCHES]
Position	0°, 45°& 90°

ENVIRONMENTAL SPECIFICATIONS

Operating temperature range	-40/+85 °C
Non-operating temperature range	-40/+85 °C
Temperature Shock	3 CYCLES, -25°C TO +70°C AT 5°PER MIN
Humidity	Mil-Std-810 Method 507.3, Procedure III 5 cycles @ 95% RH
Vibration	5-500 Hz FREQ, MIL STD 810 G section 514.4
Mechanical Shocks	4.78 m/s
Drop test	1 meter, 10 times to tile

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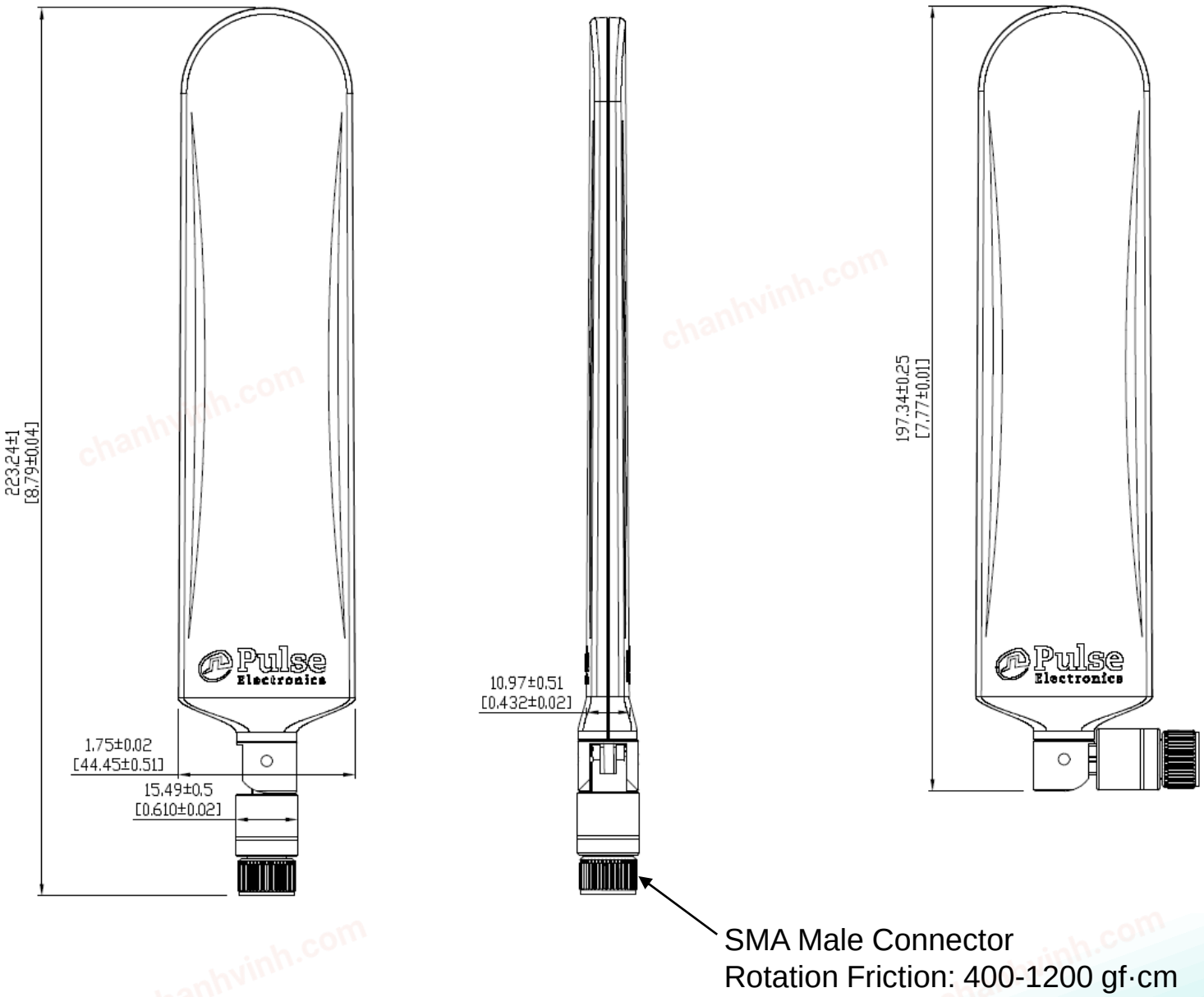
MECHANICAL DRAWING



SMA Male Connector
Rotation Friction: 400-1200 gf·cm

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TEST SETUP



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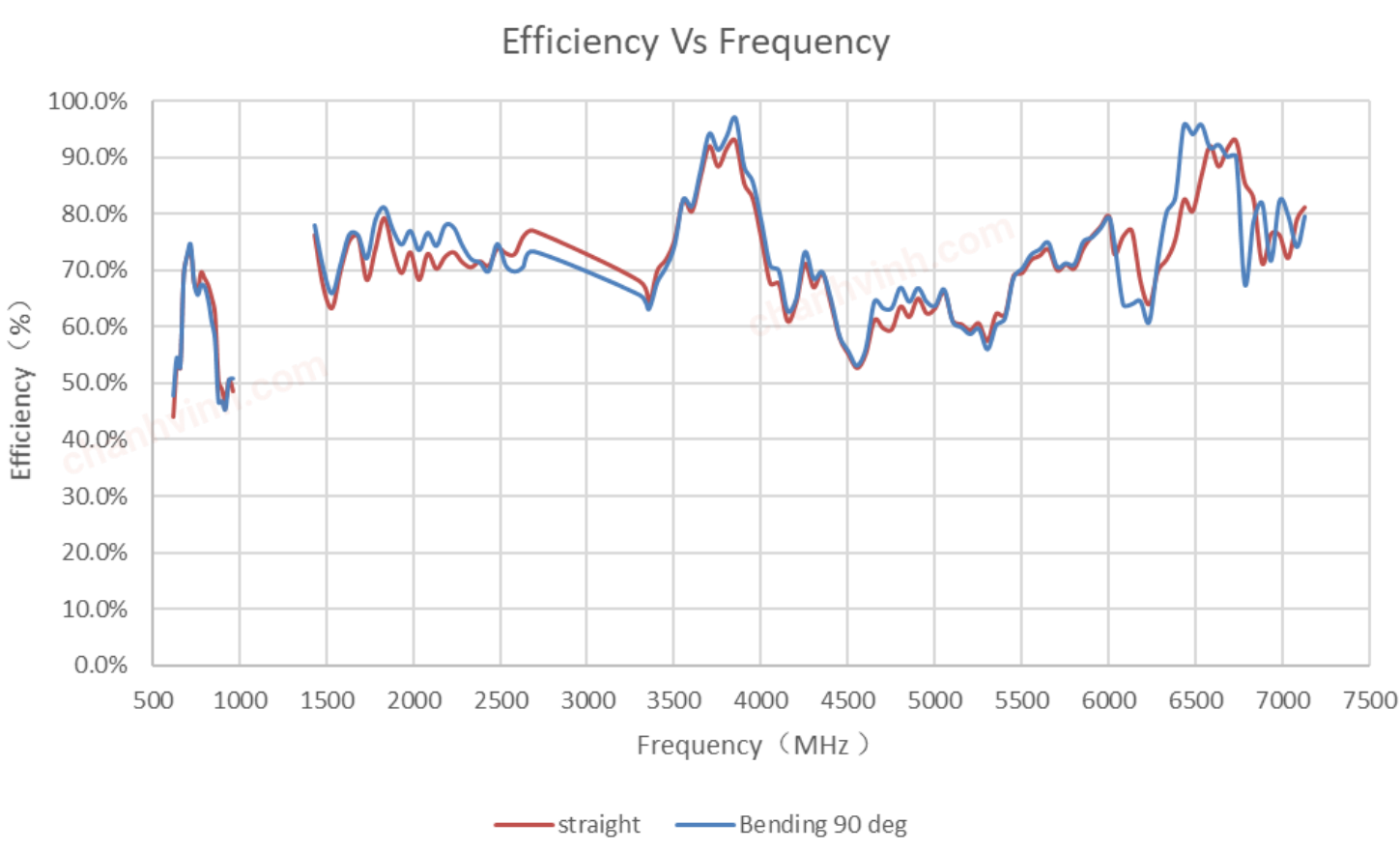

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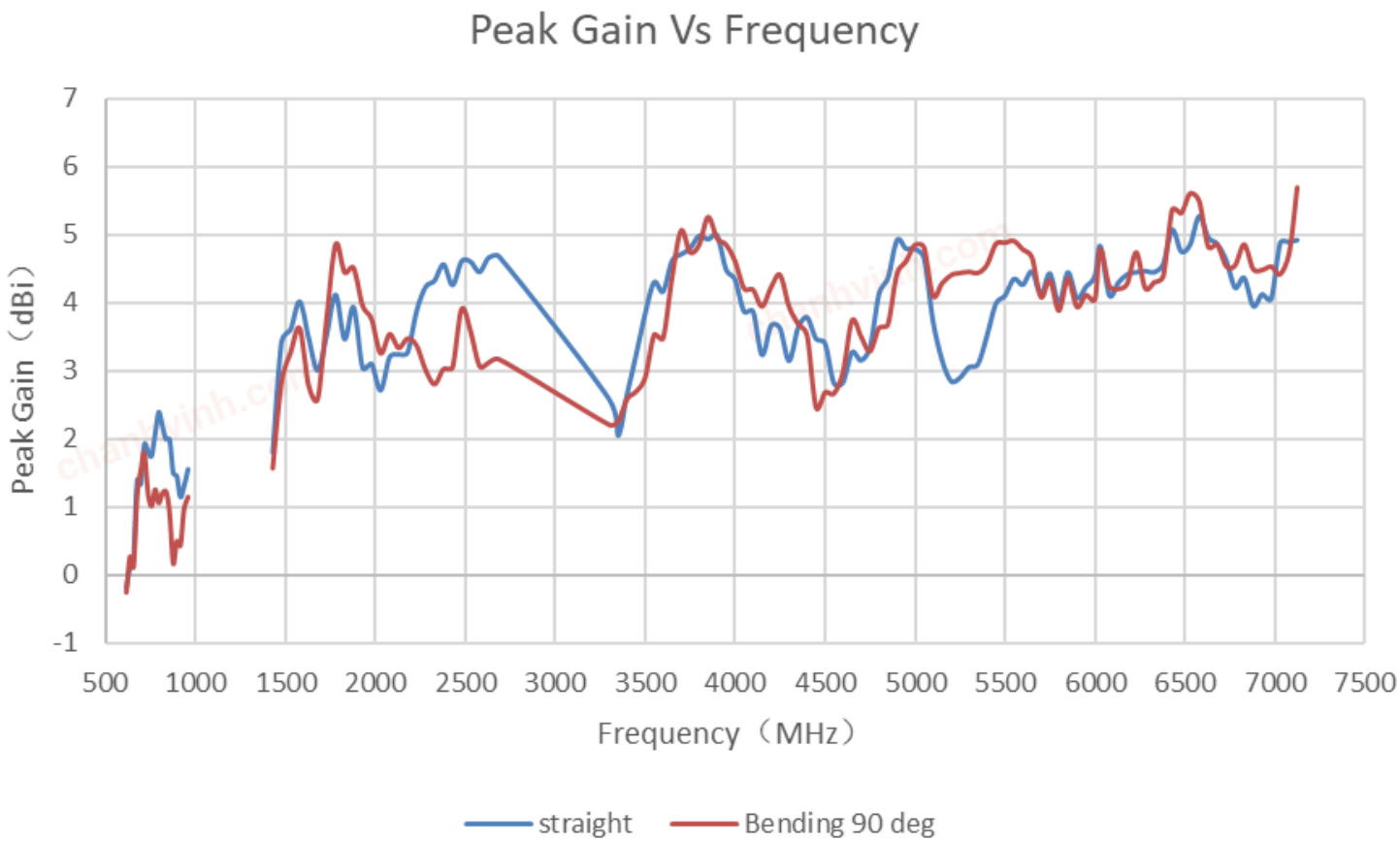

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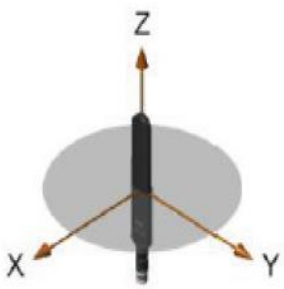
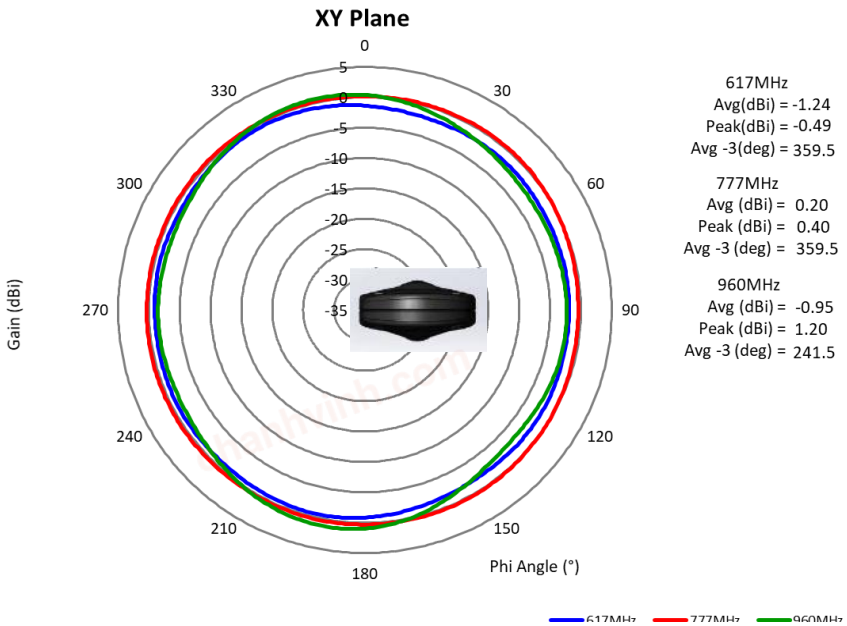
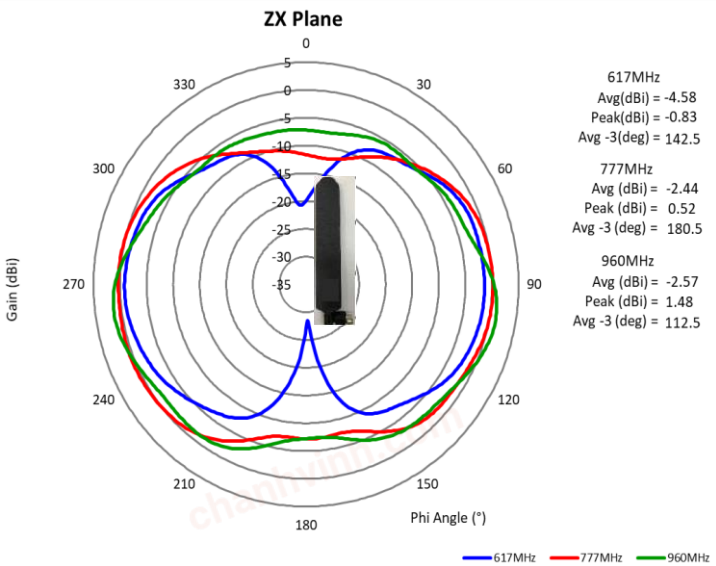
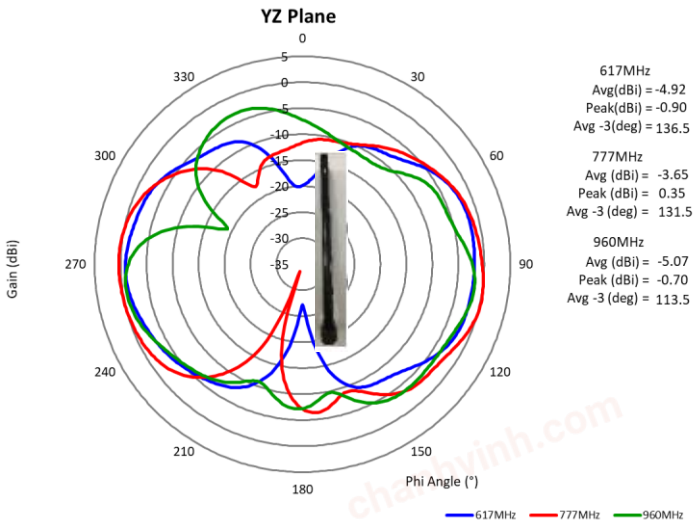
CHARTS









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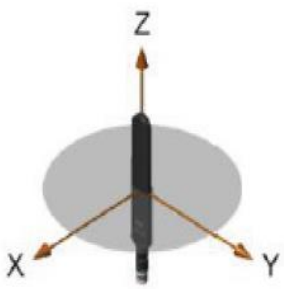

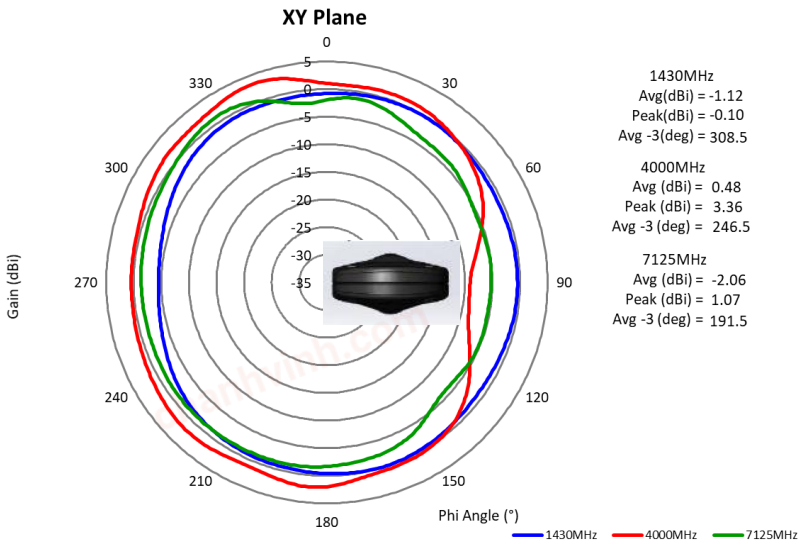

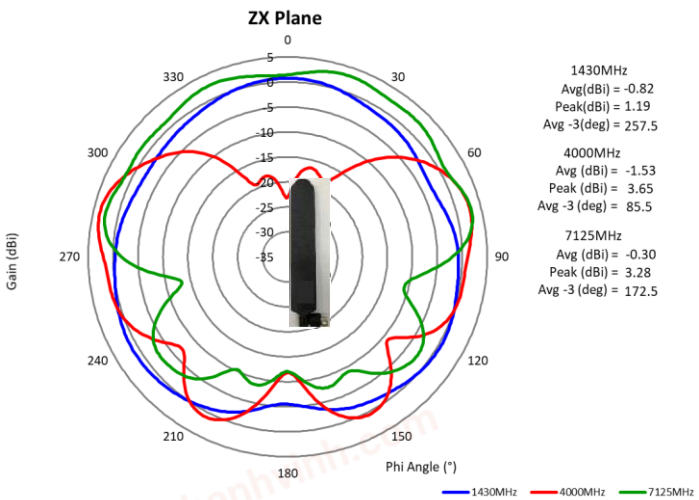

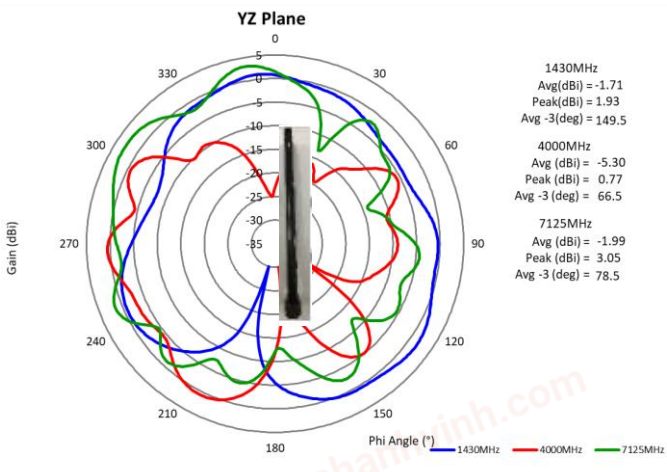

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PACKAGING

1PCS/PE bag
100PCS/Carton box

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