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Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description: 2.4-2.5 / 5.15-5.925 GHz Stick Antenna

Series: External Antenna

PART NUMBER: W1093



Features:

- WiFi Dual-Band
- DSRC
- Multi band 2.4-2.5/5.15-5.925GHz
- IP65
- Length 76mm

Applications:

- Zigbee, BLE/BT, WLAN (2.4GHz, 5GHz)
- DSRC V2x communication
- Rugged Outdoor Systems
- Marine, Mining, Utility, Oil/Gas Environments
- Industrial Applications
- Metering, Security, IoT Applications
- Outdoor Networking
- Data Transmission, Access Points

Issue: 2027

RoHS COMPLIANT

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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	2.4-2.5GHz/5.15-5.925GHz
Nominal Impedance	50Ω
Return Loss	2.4-2.5GHz <-10dB
	5.15-5.85GHz <-4dB
	5.55GHz <-10dB
Peak Gain	2.4-2.5GHz 2.3dBi +/-1 dB
	5.15-5.85GHz 5dBi +/-1dB
	5.925GHz 3dBi +/-1dB
Radiation Pattern	Omni in Horizontal plane
Polarization:	Vertical
Power withstanding	1W
Connector type	SMA male

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MECHANICAL SPECIFICATIONS

Plastic radome	TPEE
Color	Black
Weight	7.82 g
Overall Length	76 mm
IP Rate	IP65

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-35/+85° C
Storage Temperature	-40/+85° C

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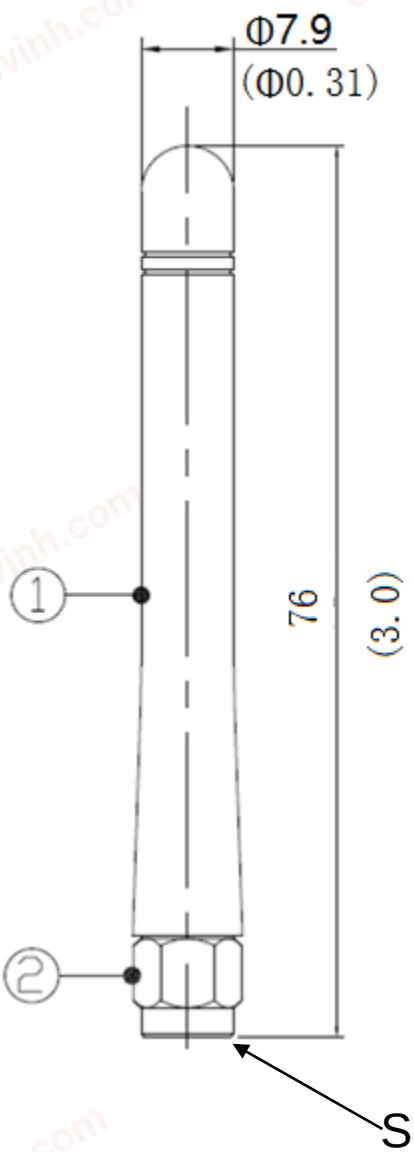
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MECHANICAL DRAWING



1, Dimension show as mm (inch)
2, Item 1 is tube, and item 2 is connector

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CHARTS

Return Loss



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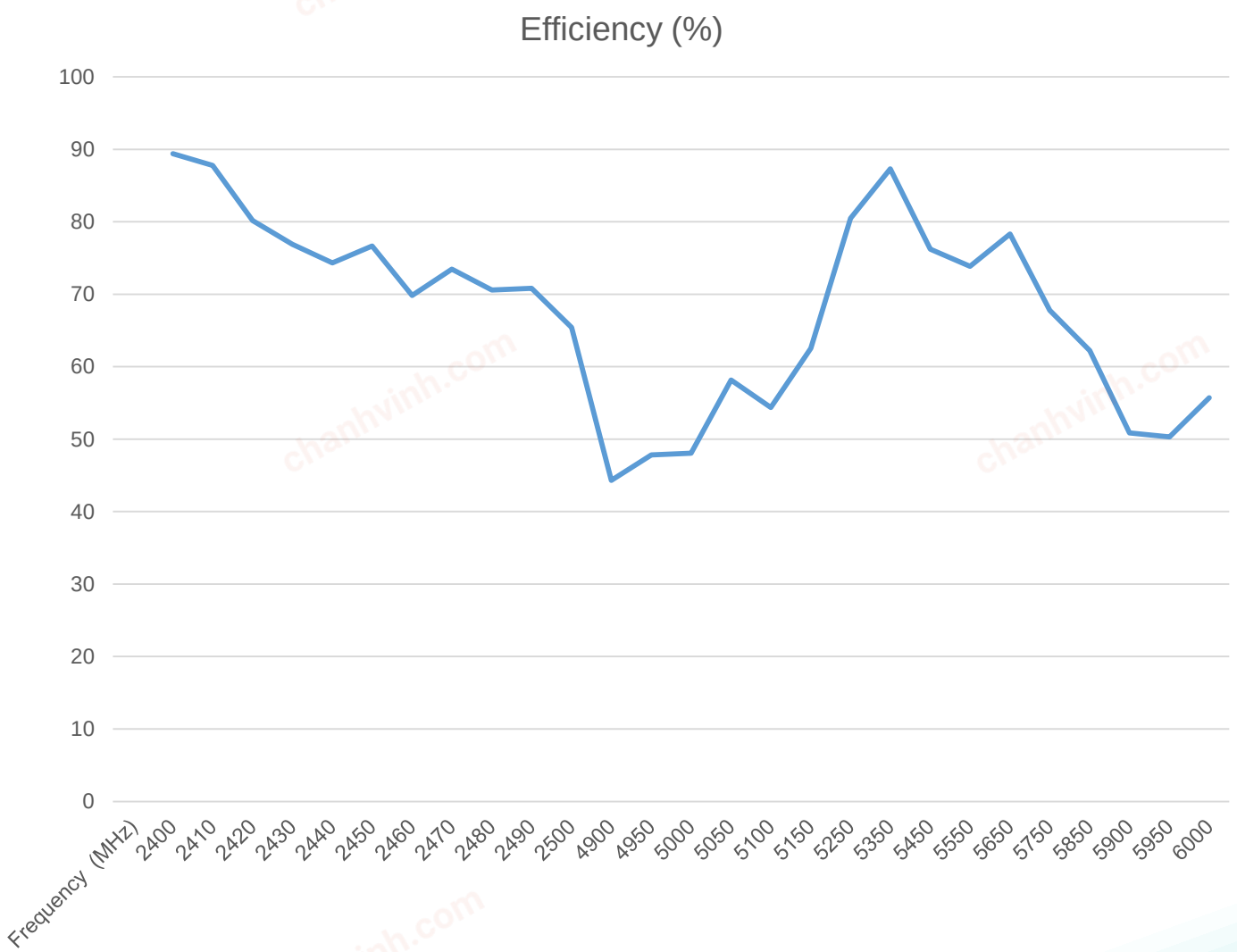
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CHARTS

Efficiency(%)



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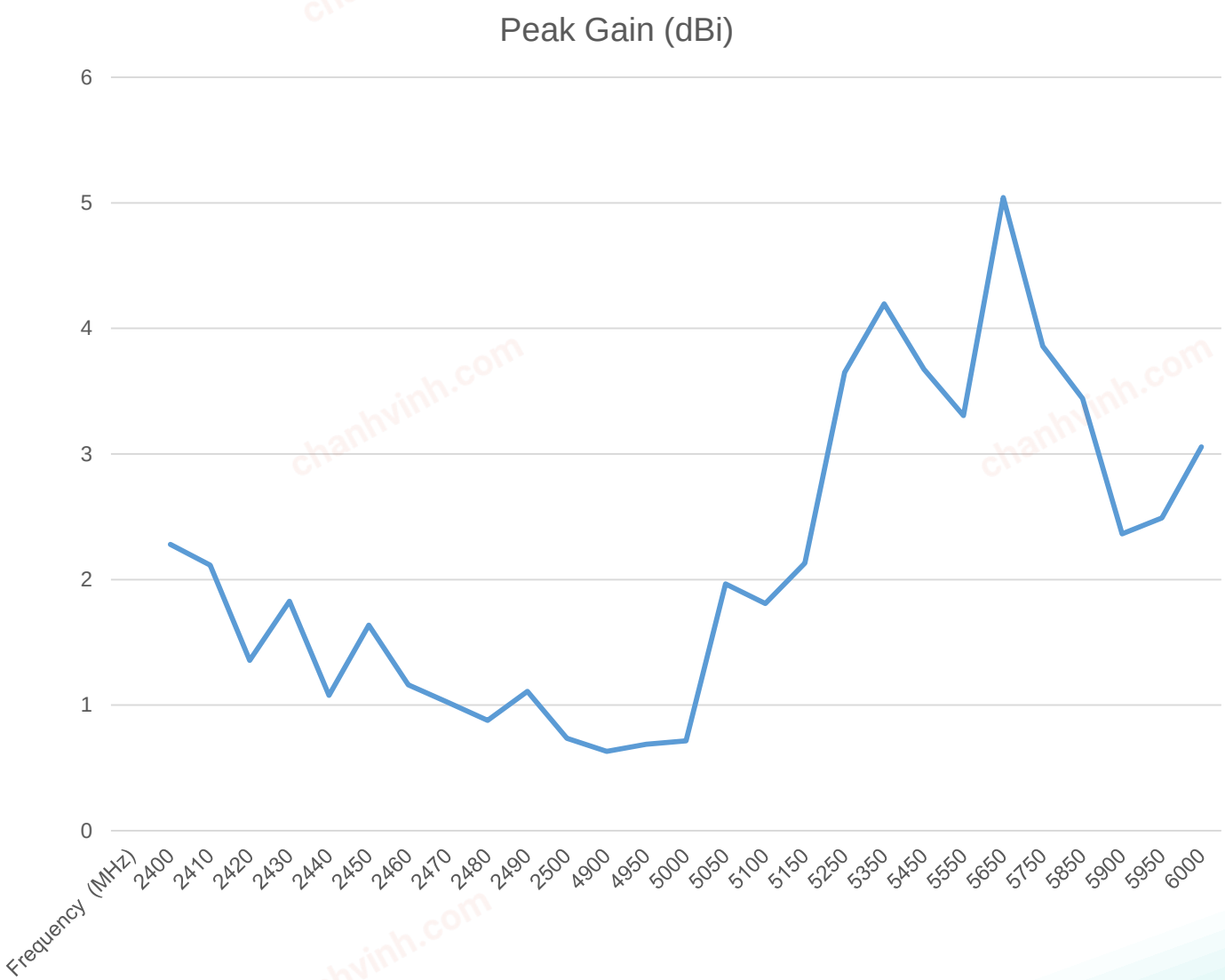
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CHARTS

Peak Gain (dBi)



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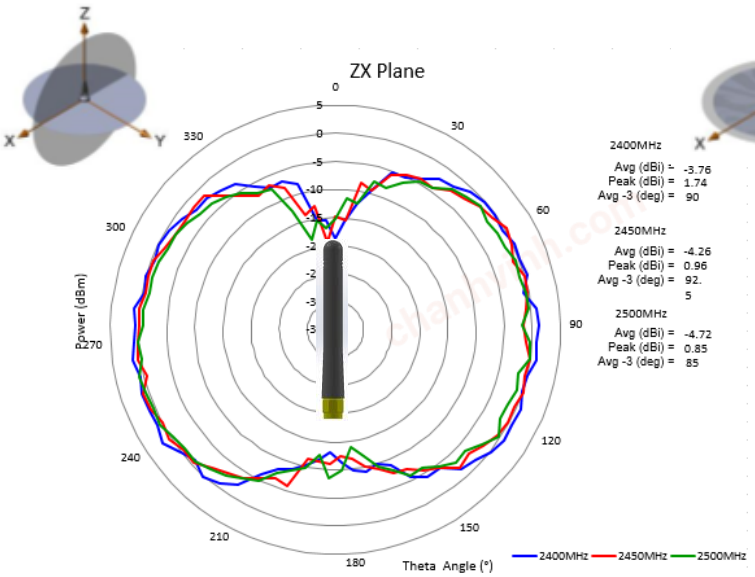
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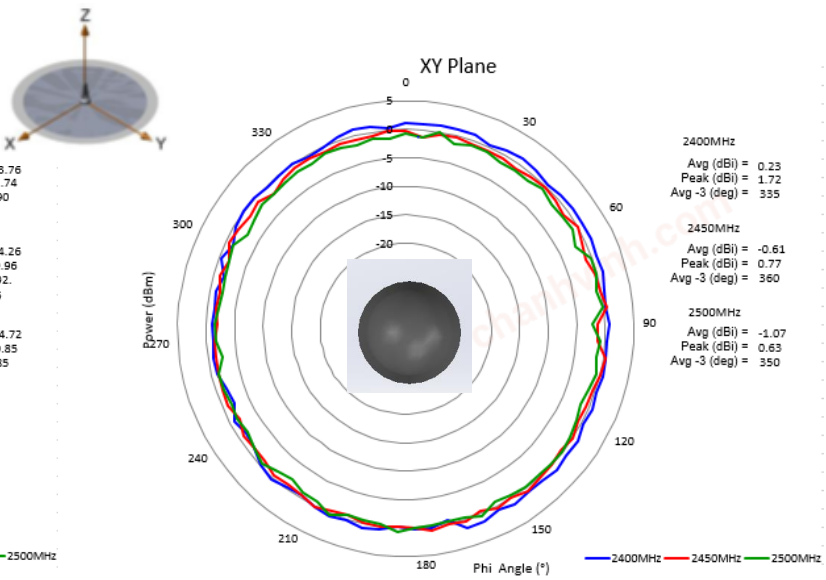
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Free Space Radiation Pattern

Elevation Plane



Horizontal Plane



Issue: 2027

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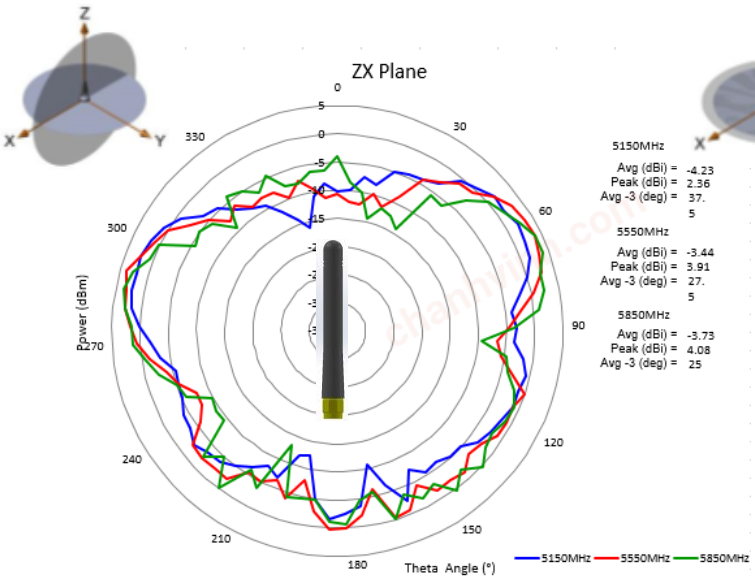
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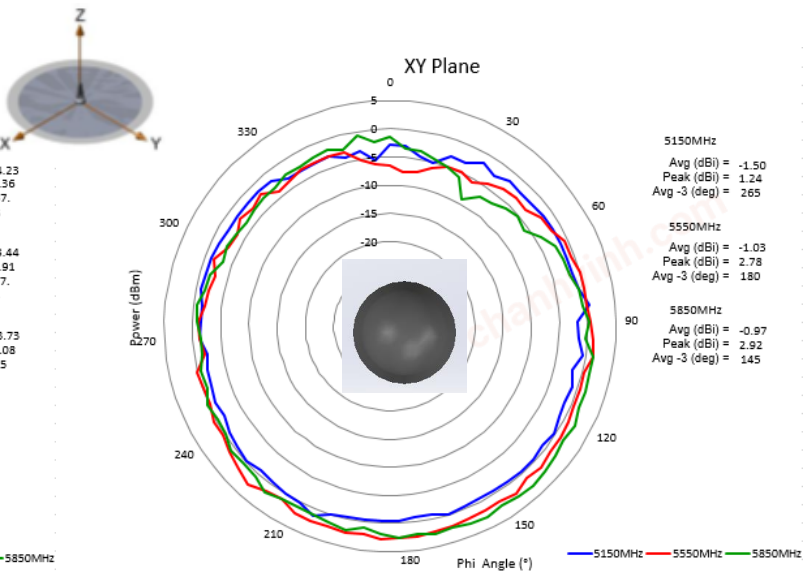
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PACKAGING

20PCS/Bullet PE bag
30 Bullet PE bag/ Carton box
Total 600PCS antenna/ Carton box

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