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YAGEO PULSE GROUP

TECHNICAL DATA SHEET

Description: 4G Pentaband 698-960 ; 1710-2690MHz, Right angle

PART NUMBER: W1900/W1902

Series: Stubby Antenna



Features:

- Small form factor monopole
- Antenna size W x L x H

  W1900/W1902 (18.4 x 8.0 x 49.5mm)
- Lead free materials
- RoHS Compliant Product
- Connector Type:

  W1900 SMA (male)

  W1902 RP-SMA (male)

Applications:

- Penta band EU/US GSM/WCDMA
- Frequency range:

  698-960;1710-2690MHz
- M2M Applications

All dimensions are in mm

Issue: 2530

RoHS COMPLIANT

In the effort to improve our products, we reserve the right to make changes judged to be necessary.
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Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998

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ELECTRICAL SPECIFICATIONS

Frequency	698-960MHz
	1710-2690MHz
Nominal Impedance	50Ω
Return Loss	-2.5dB 698-820MHz
	-4dB 824-960MHz
	-10dB 1710-2690MHz
Peak Gain	1dBi 698-960MHz
	4dBi 1710-2690MHz
Efficiency	52%
Radiation Pattern	Omni
Polarization:	Linear
Power withstanding	5W

Issue: 2530

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MECHANICAL SPECIFICATIONS

Weight	W1900/W1902 11.07g
Antenna Color / Material	Black
Connector type	W1900 SMA(Male) W1902 RP-SMA(Male)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-30/+75 ° C
Storage Temperature	-30/+75 ° C
Wind-loading	100km/h
Ingress Protection	IP52
RoHS Compliant	Yes

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TECHNICAL DATA SHEET

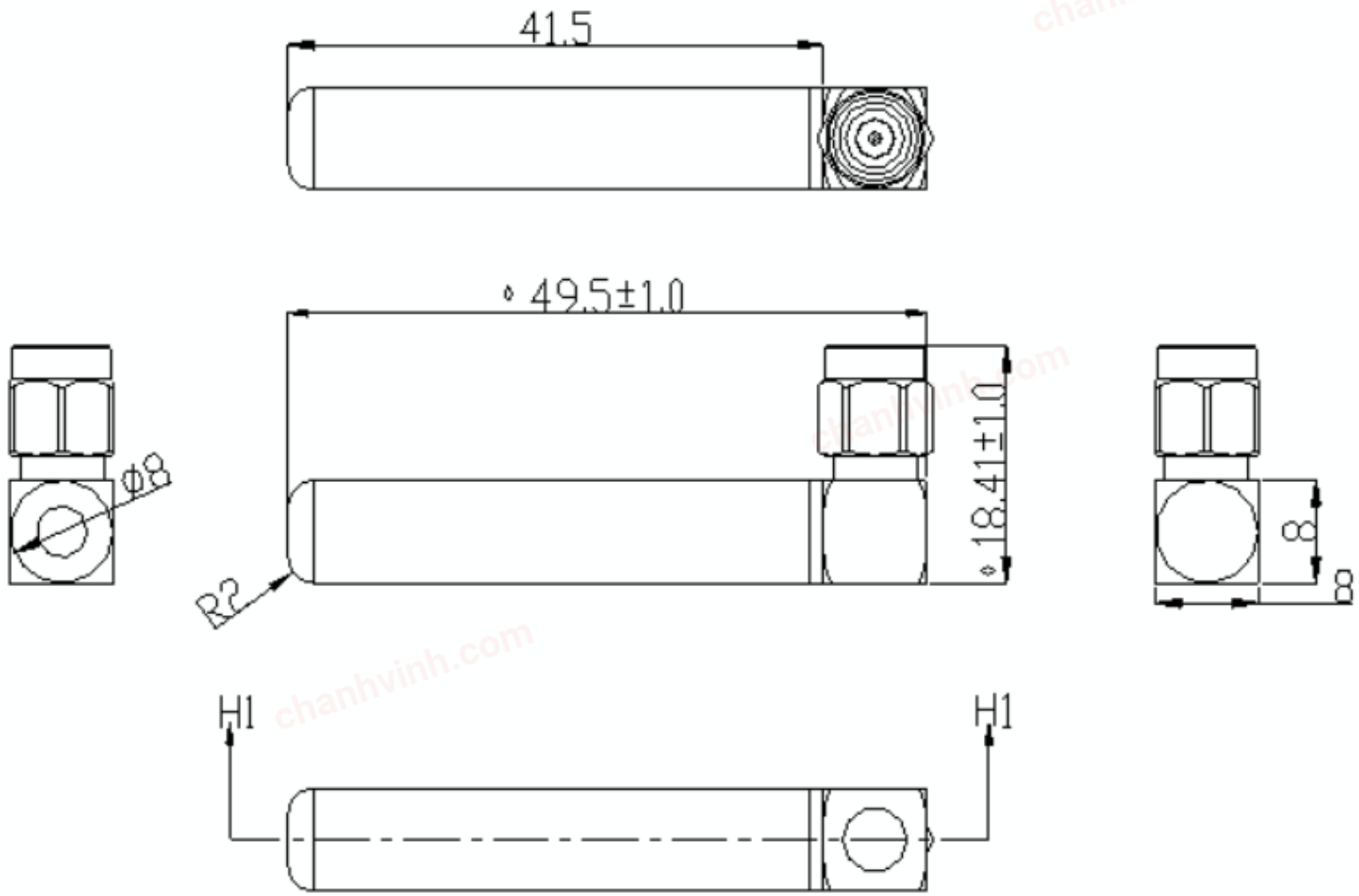
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MECHANICAL DRAWING

W1900/W1902



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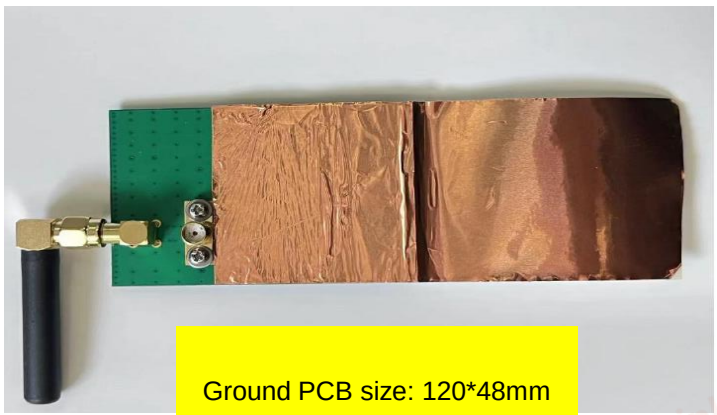
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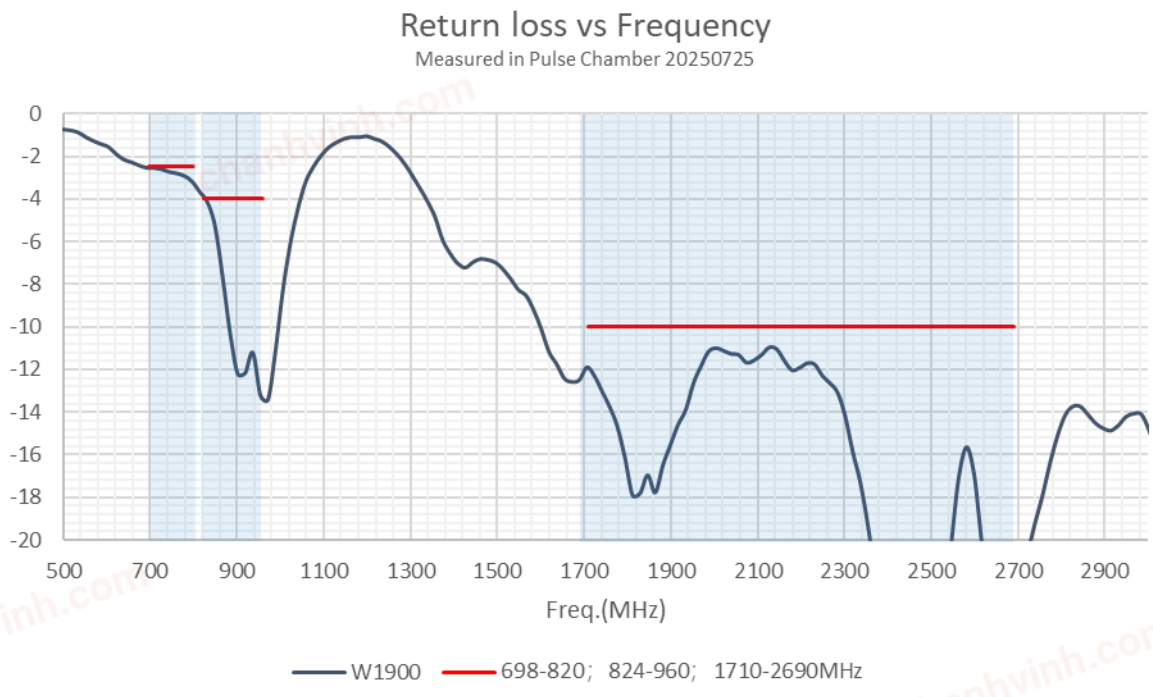
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CHARTS

Test setup



Return loss



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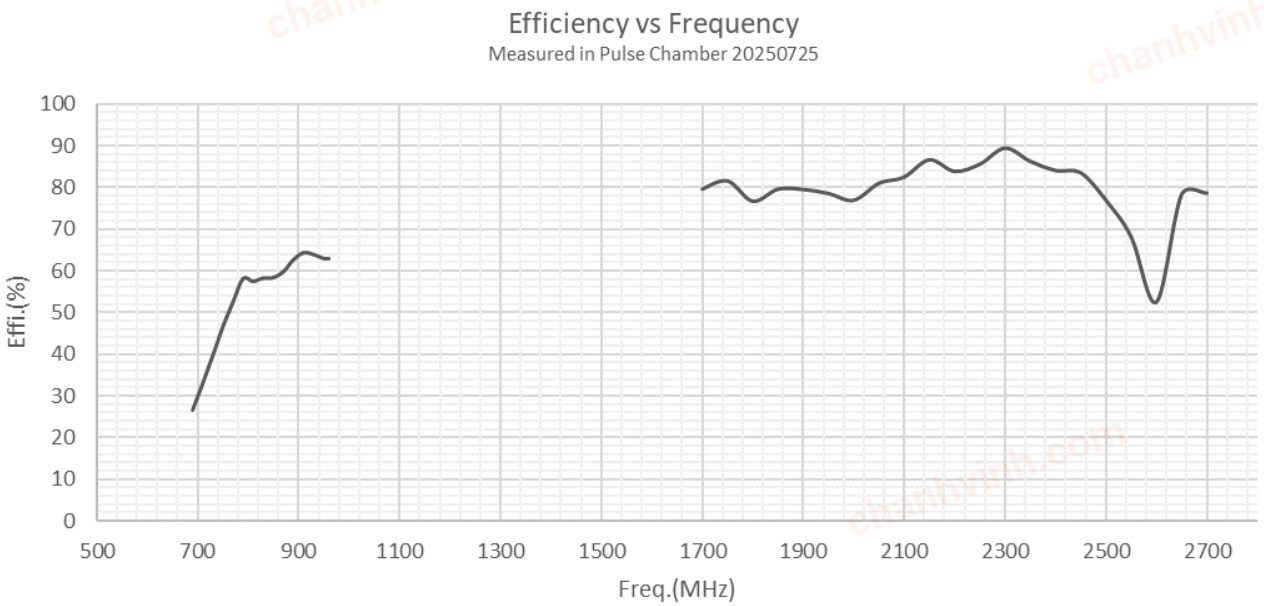
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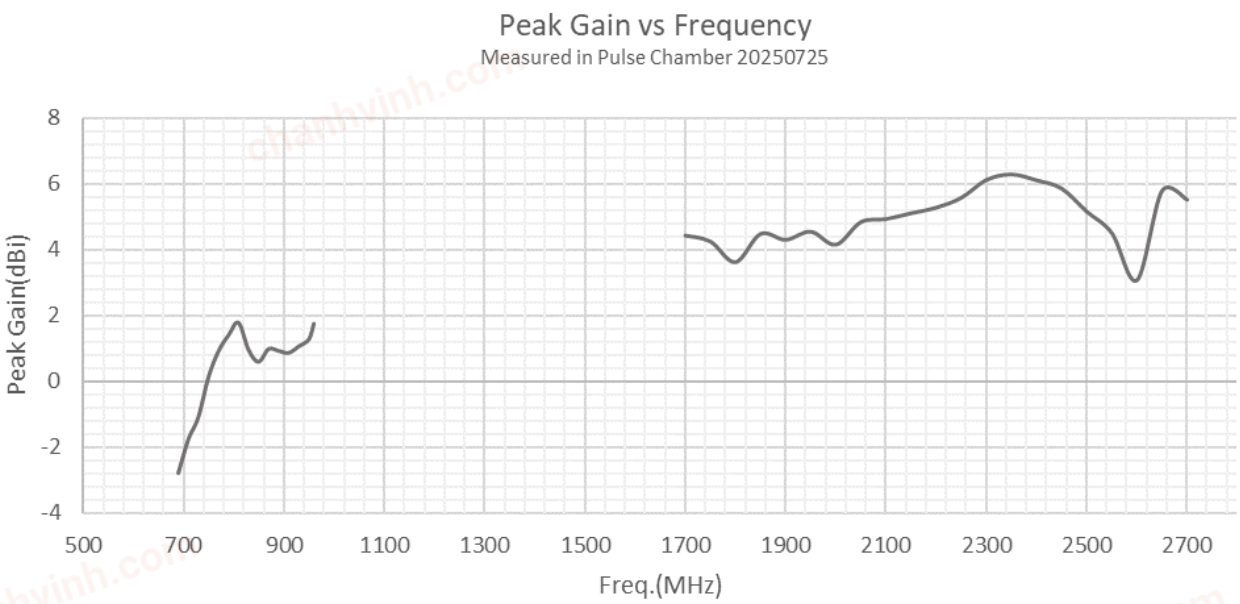
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CHARTS





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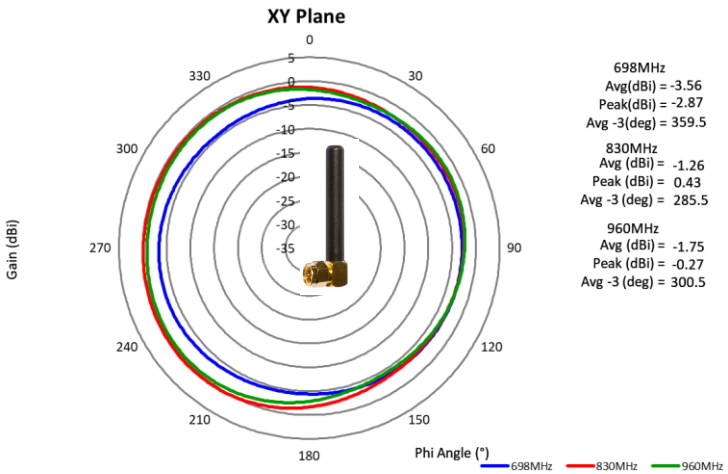
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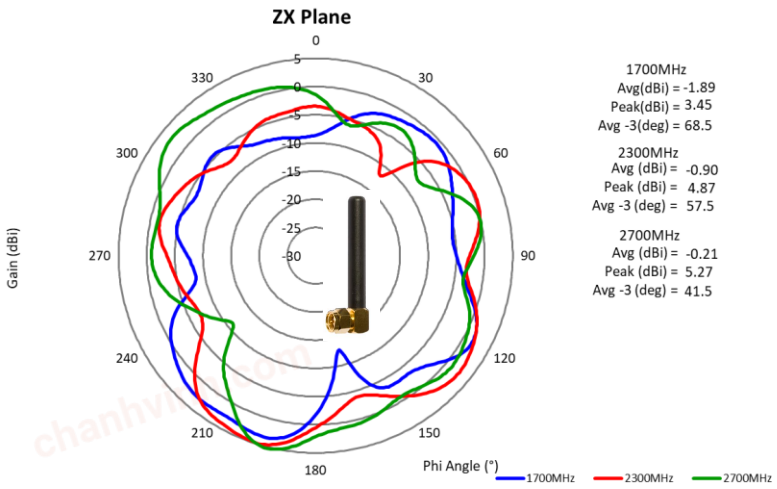
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CHARTS

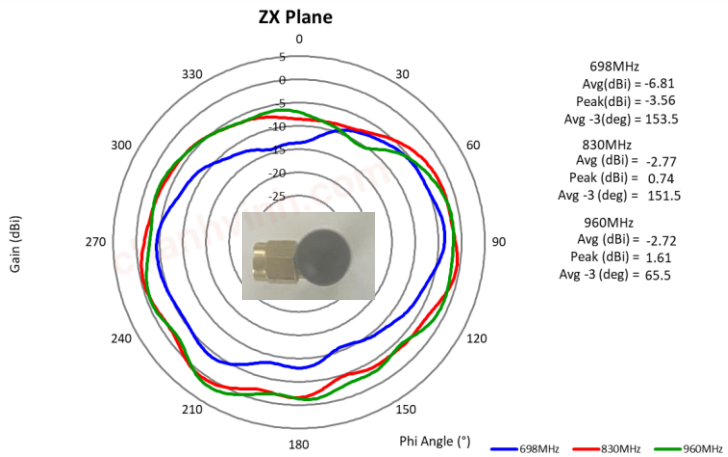
Free Space Radiation Pattern

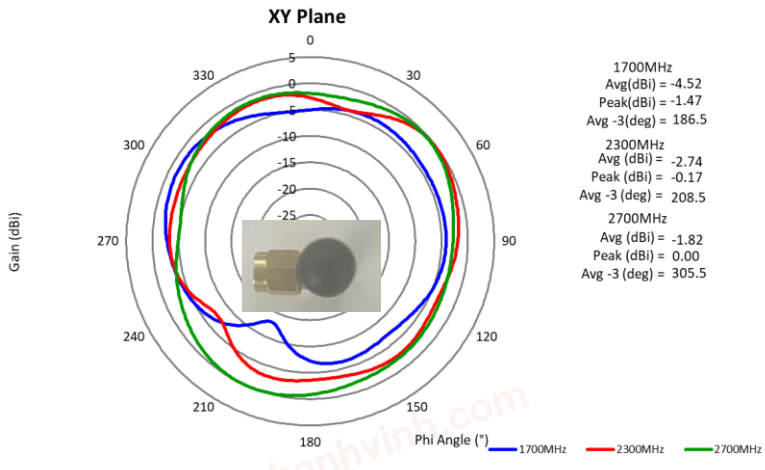
Elevation Plane





Horizontal Plane





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PACKAGING

1pcs antenna per PE bag

18pcs PE bags per tray

14pcs trays per package box (2pcs empty tray)

216pcs per package box

Package box: 460mm*235mm*140mm

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