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PulseLARSEN Antennas

TECHNICAL DATA SHEET

Description: Dualband WiFi SMA Stubby Antenna

Series: External Stubby

PART NUMBER: W1100X



W1100



W1100K
W1100KRP

Features:

- Freq: 2.4-2.5/4.9-5.95GHz
- Fixed Stubby Low Profile Monopole Antenna
- Gain 1 / 3 dBi
- Ingress Protection IP65
- UV Protection
- RoHS Compliant Product
- Connector Type: See page 2

Applications:

- WiFi, Zigbee, BLE/BT, WLAN
- (Metering, Security, IoT Applications
- Mining, Utility, and Industrial Applications
- Outdoor Networking
- Data Transmission
- Access Points

All dimensions are in mm / inches

Issue: 1848

RoHS COMPLIANT

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ELECTRICAL SPECIFICATIONS

Antenna Type	Monopole
Frequency	2400-2500/4900-5950MHz
Nominal Impedance	50 Ω
Return Loss(@2400-2500MHz)	-6dB
Return Loss(@4900-5950MHz)	-1.5dB Max / -6dB Typ.
Radiation Pattern	Omni
Gain	1 / 3dBi Typ.
Efficiency	40% Typ.
Polarization	Vertical

MECHANICAL SPECIFICATIONS

Overall Length	50.8mm
Weight	4.1g
Antenna Color / Material	Black
Connector type	SMA Male (W1100)
	RA SMA Male (W1100K)
	RA RP SMA Male (W1100KRP)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40°C~+85°C
Storage Temperature	-40°C~+85°C
IP Rating	IP65
RoHS Compliant	Yes

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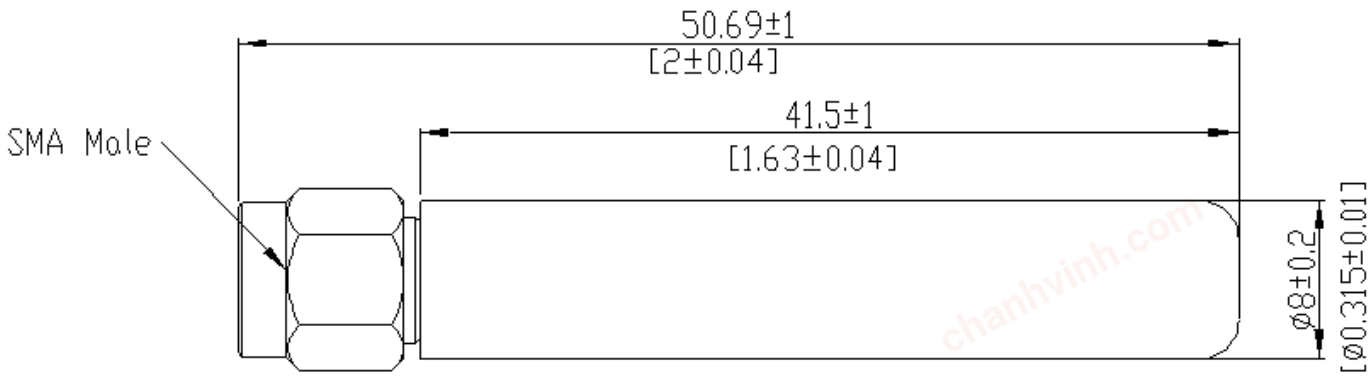
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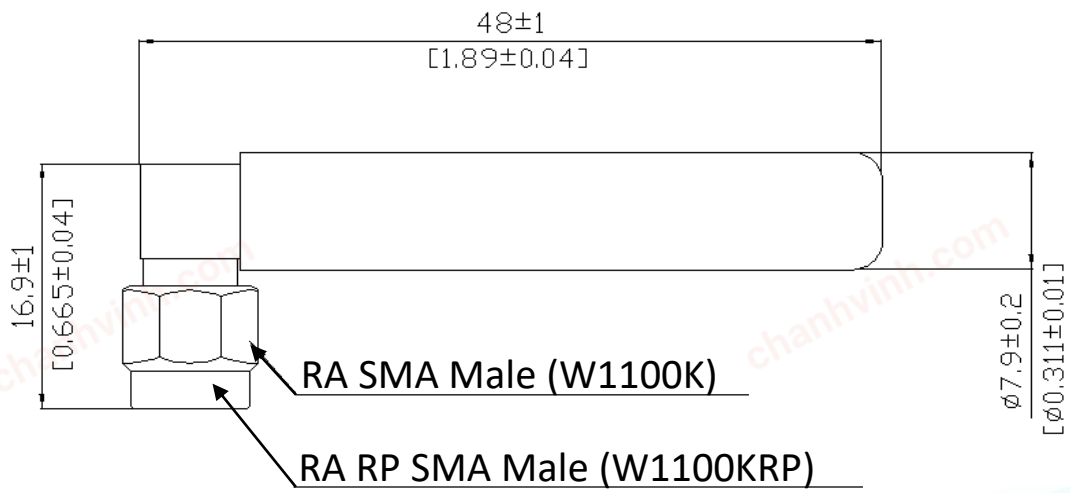
PART NUMBER: W1100X

MECHANICAL DRAWING

W1100



W1100K / W1100KRP



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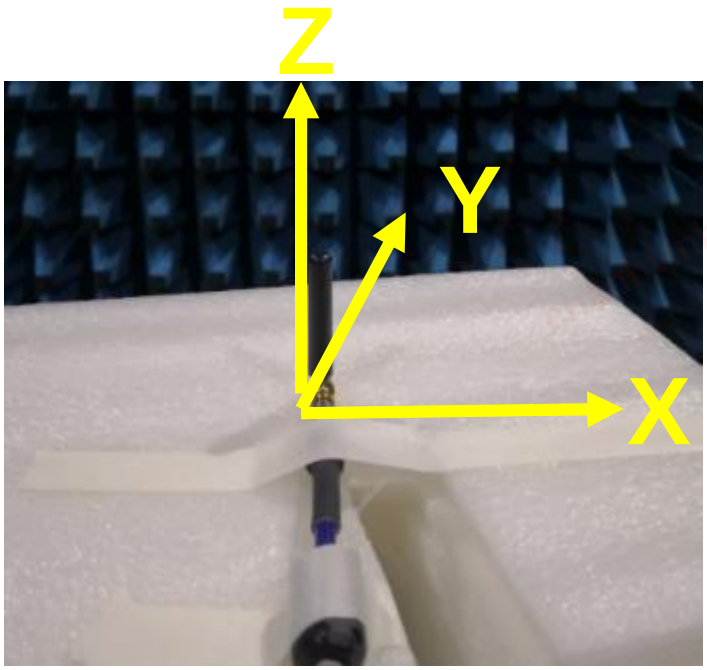
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TEST SETUP



Antenna is a monopole antenna. All data in this document is tested without any additional ground plane. Antenna in free space.

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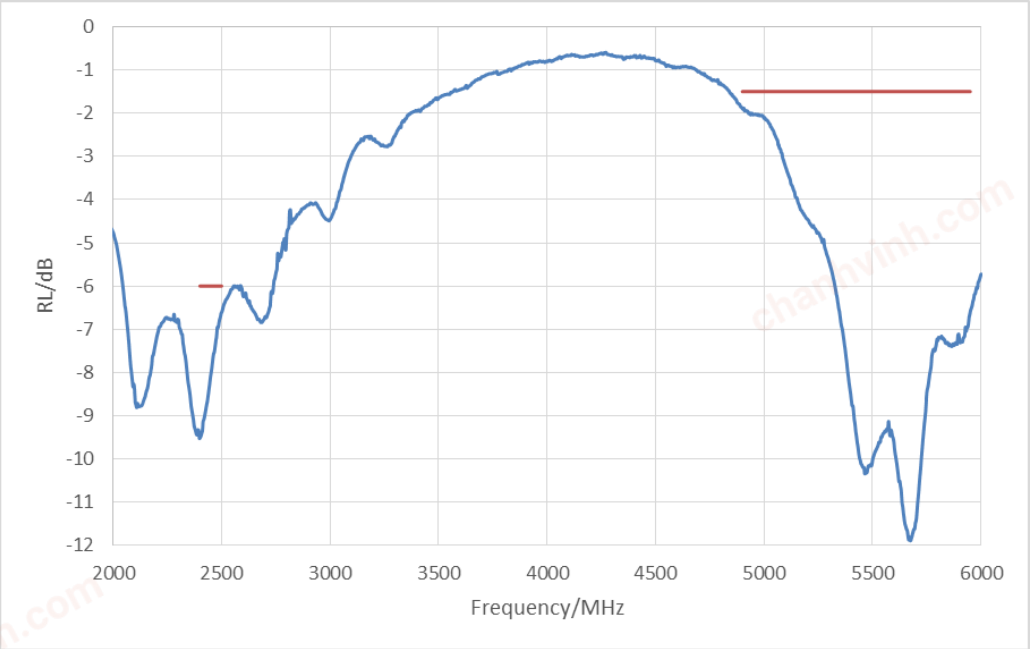
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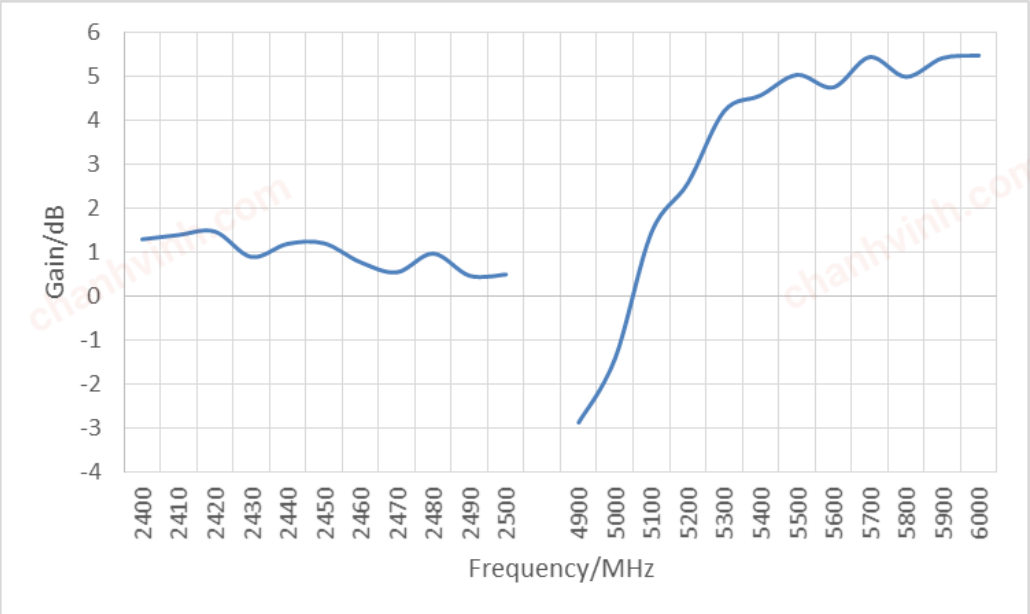
PART NUMBER: W1100X

CHARTS

Return Loss vs Frequency



Gain vs Frequency



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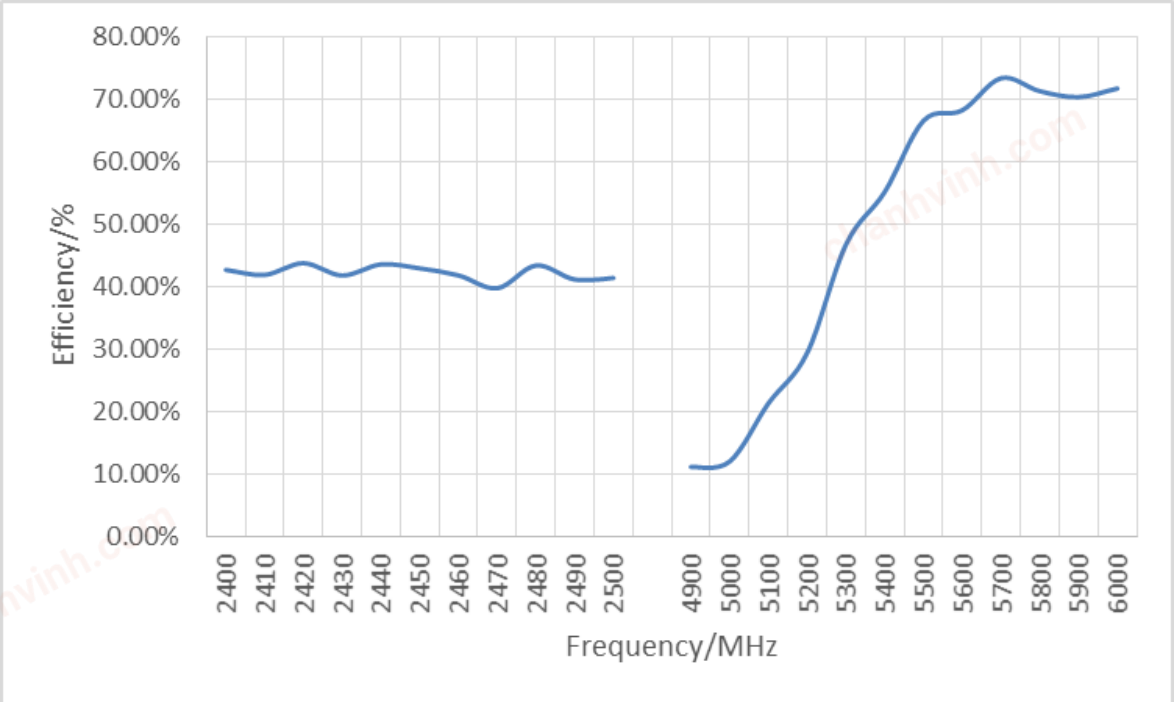
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CHARTS

Efficiency vs Frequency



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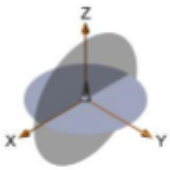
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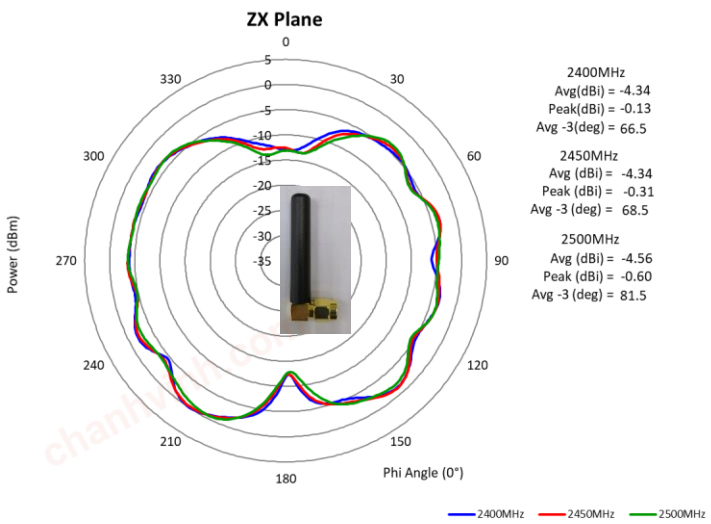
CHARTS

Free Space Radiation Pattern

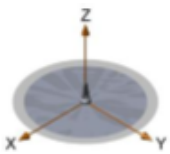
Elevation Plane



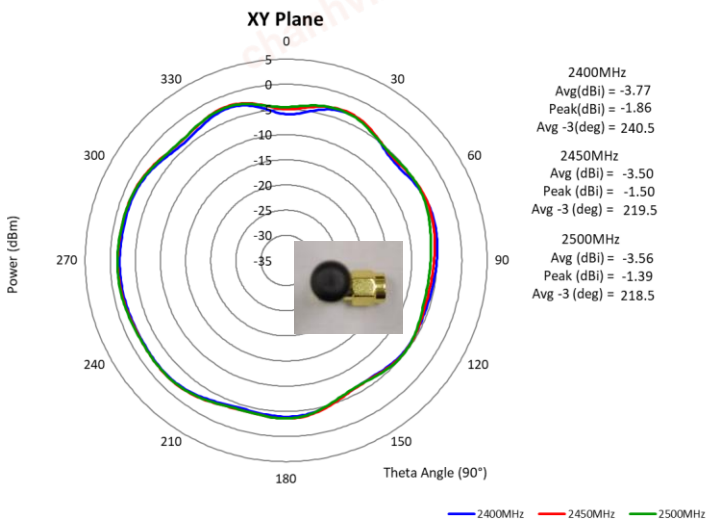
XZ Plane

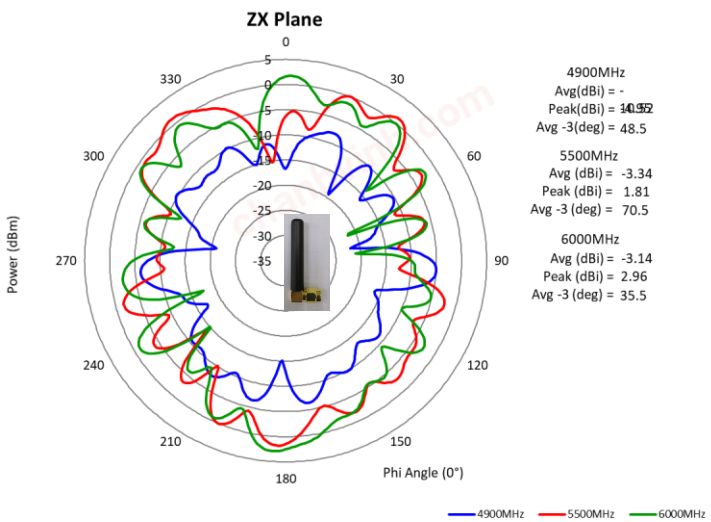


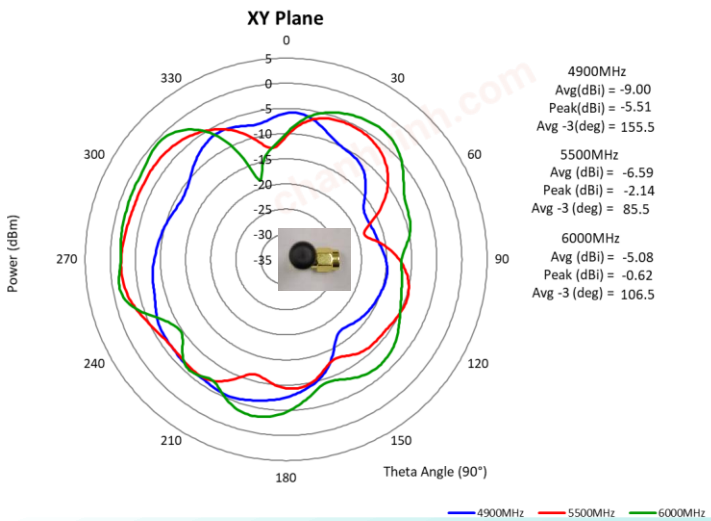
Horizontal Plane



XY Plane







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PACKAGING

W1100

Pack 20pcs antenna in one PE bag, 100pcs PE bag (2000pcs Antenna) in one carton

W1100K / W1100KRP

Pack 20pcs antenna in one PE bag, 72pcs PE bag (1440pcs Antenna) in one carton

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