

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

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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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 & Co, 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



Description: Dualband WiFi SMA Stubby Antenna**Series:** External Stubby**PART NUMBER:** W1100X**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

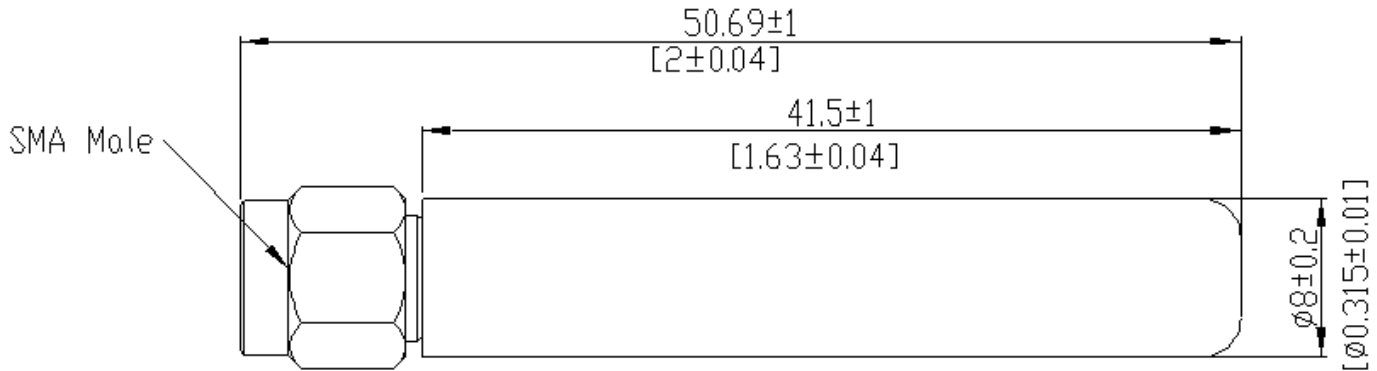
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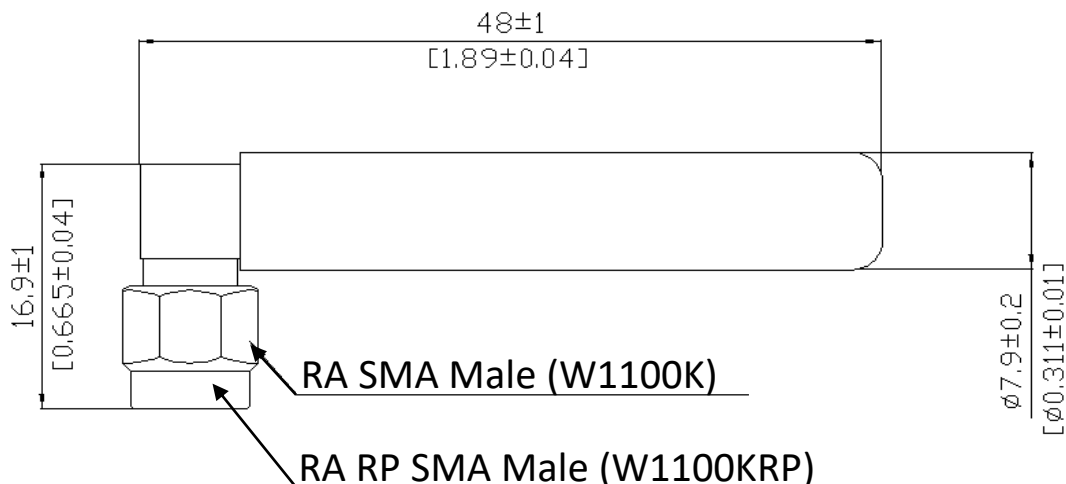
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MECHANICAL DRAWING

W1100



W1100K / W1100KRP



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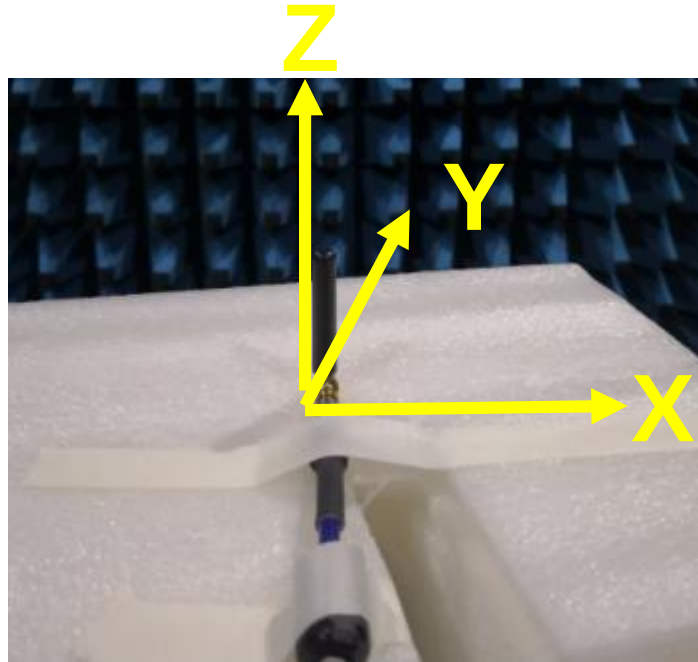
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TEST SETUP



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

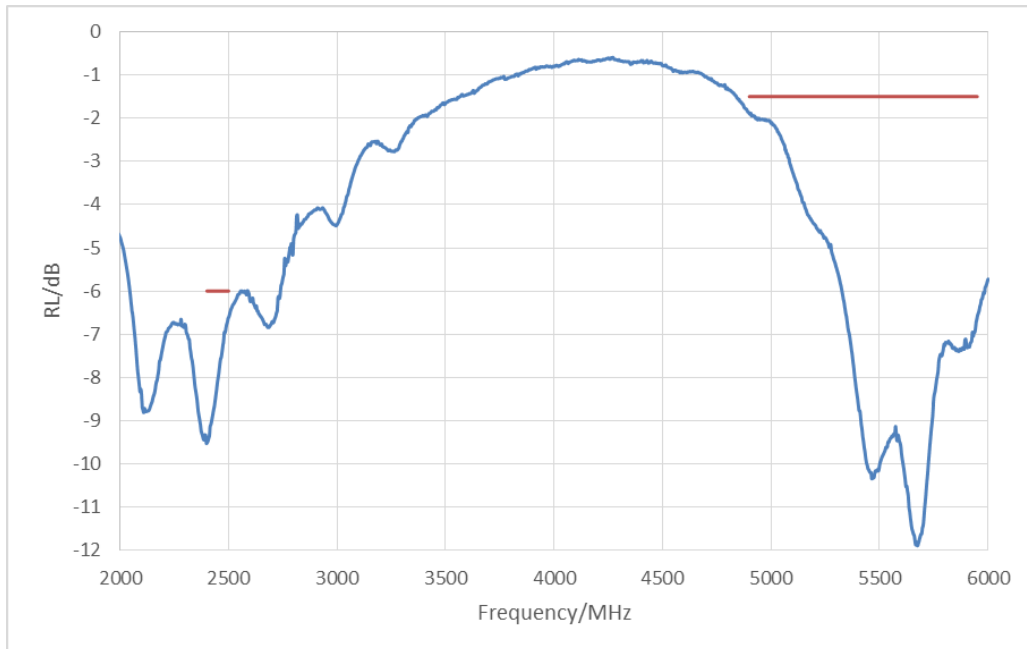
Description: Dualband WiFi SMA Stubby Antenna

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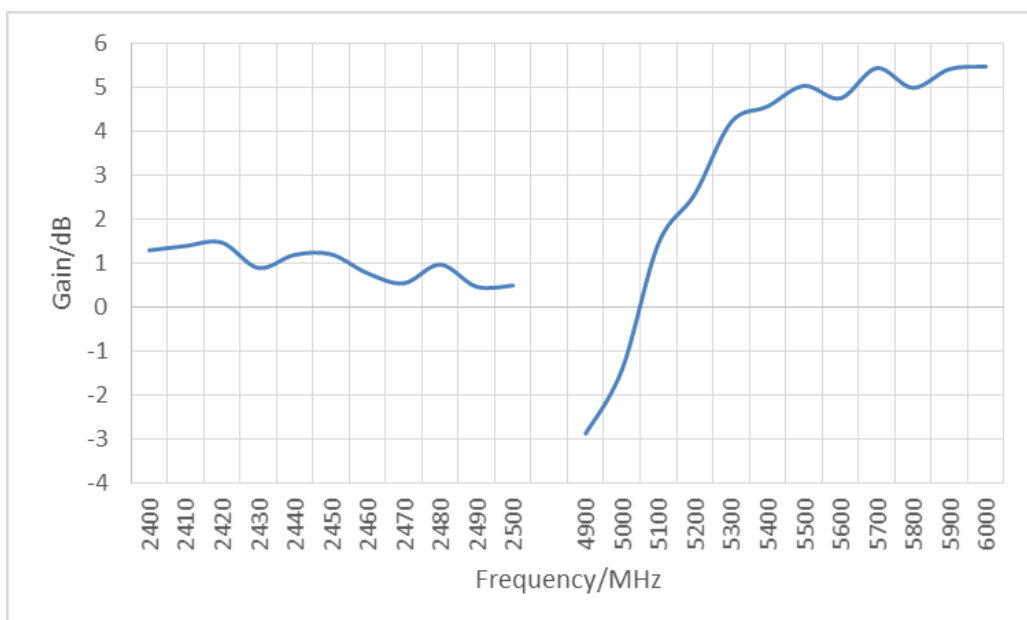
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CHARTS

Return Loss vs Frequency



Gain vs Frequency



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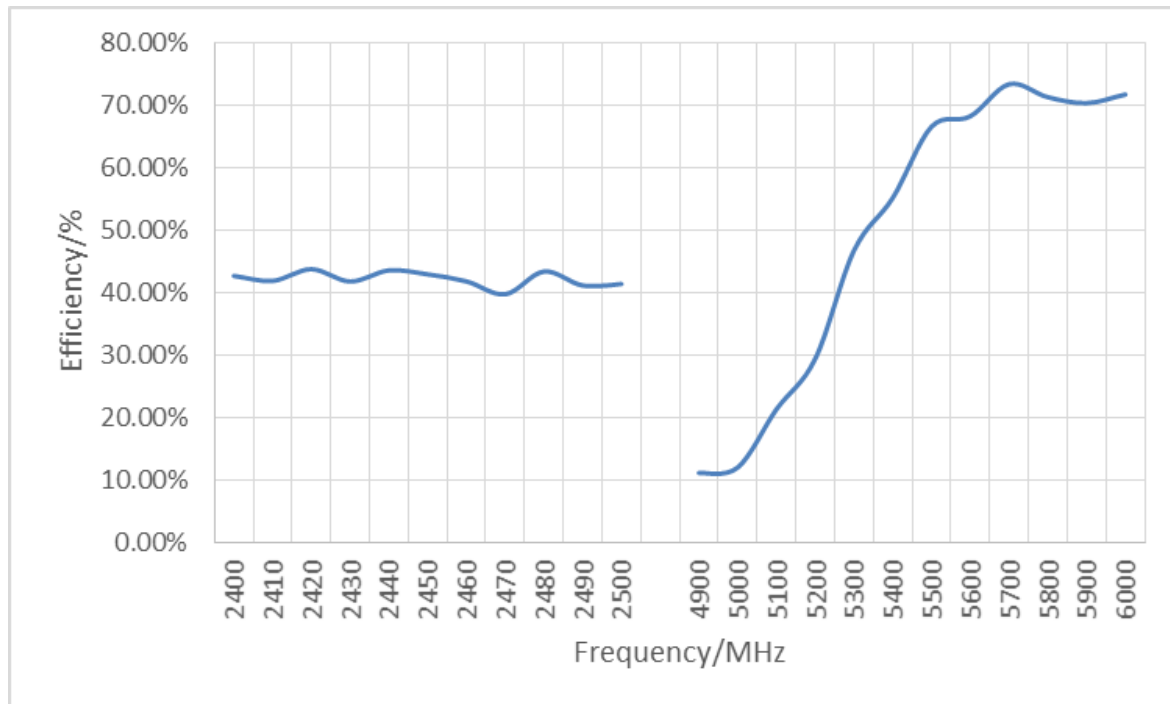
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CHARTS

Efficiency vs Frequency



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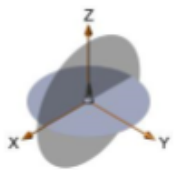
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CHARTS

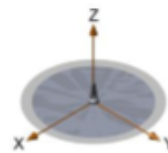
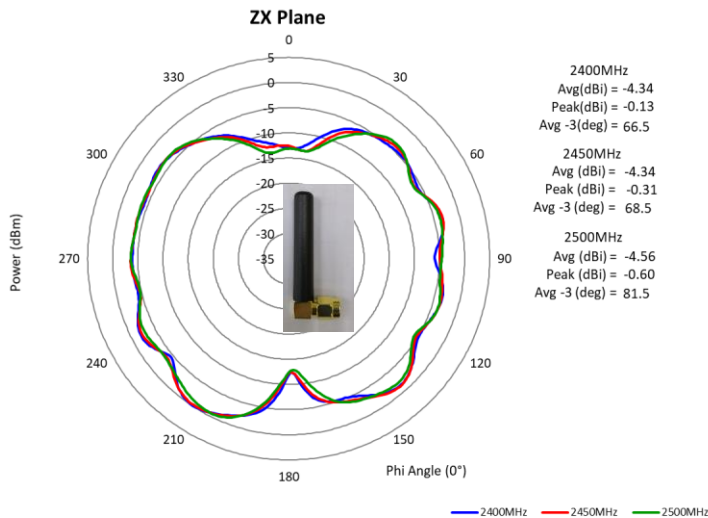
Free Space Radiation Pattern

Elevation Plane

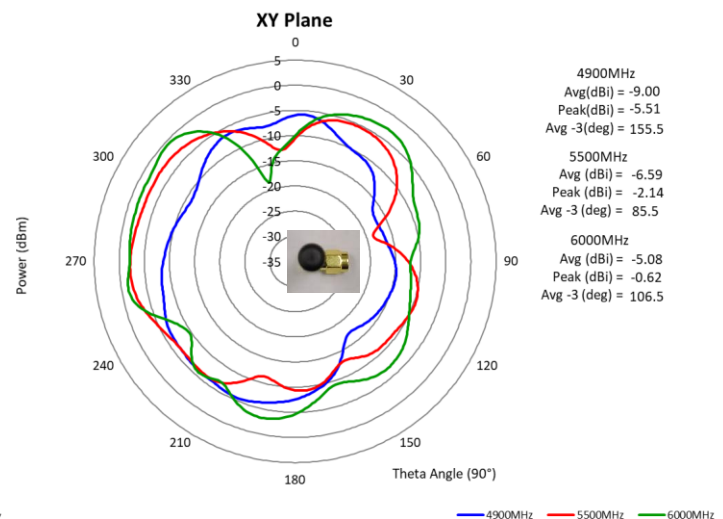
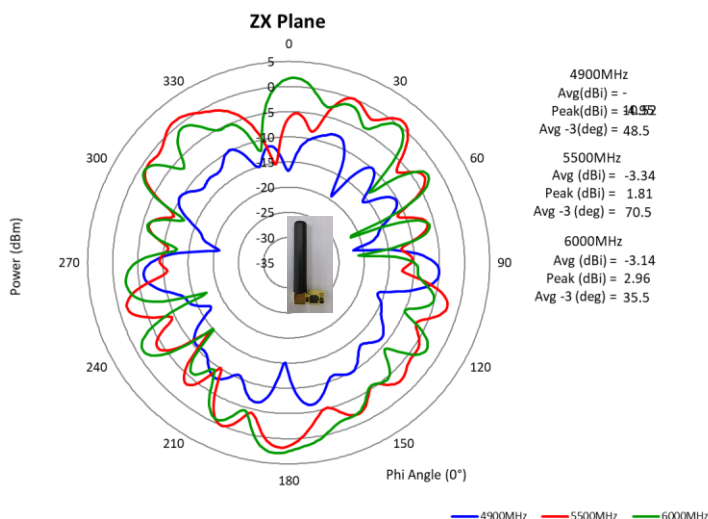
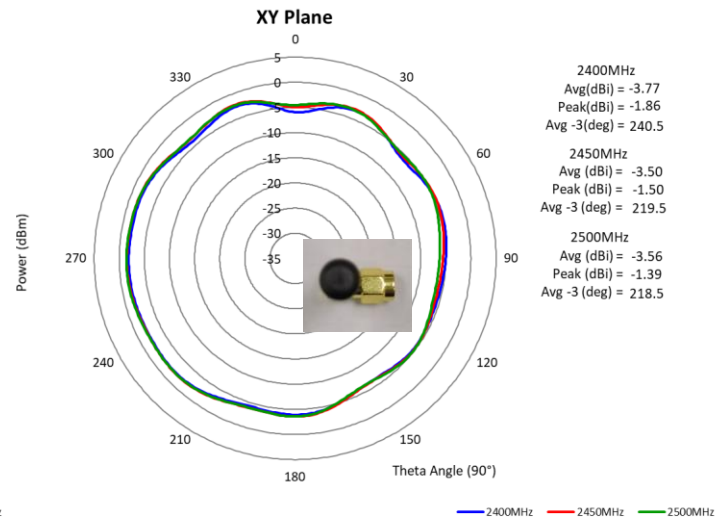
Horizontal Plane



XZ Plane



XY Plane



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PACKAGING

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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