

Description: 2.4-2.5GHz SMA Stubby Antenna

Series: External Stubby

PART NUMBER: W1095X



W1095



W1095K
W1095KRP

Features:

- Fixed Stubby Low Profile Monopole Antenna
- Gain 1 dBi
- Ingress Protection IP65
- UV Protection
- RoHS Compliant Product
- Connector Type: See page 2

Applications:

- WiFi, Zigbee, BLE/BT, WLAN (2.4-2.5GHz)
- Metering, Security, IoT Applications
- Mining, Utility, and Industrial Applications
- Outdoor Networking
- Data Transmission
- Access Points

All dimensions are in mm / inches

Issue: 1843

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

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ELECTRICAL SPECIFICATIONS

Antenna Type	Monopole
Frequency	2400-2500MHz
Nominal Impedance	50 Ω
VSWR	2.5:1
Radiation Pattern	Omnidirectional
Gain	1dBi
Efficiency	50%
Polarization	Vertical

MECHANICAL SPECIFICATIONS

Overall Length	50.8mm
Weight	4.1g
Antenna Color / Material	Black
Connector type	SMA Male (W1095) RA SMA Male (W1095K) RA RP SMA Male (W1095KRP)

ENVIRONMENTAL SPECIFICATIONS

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

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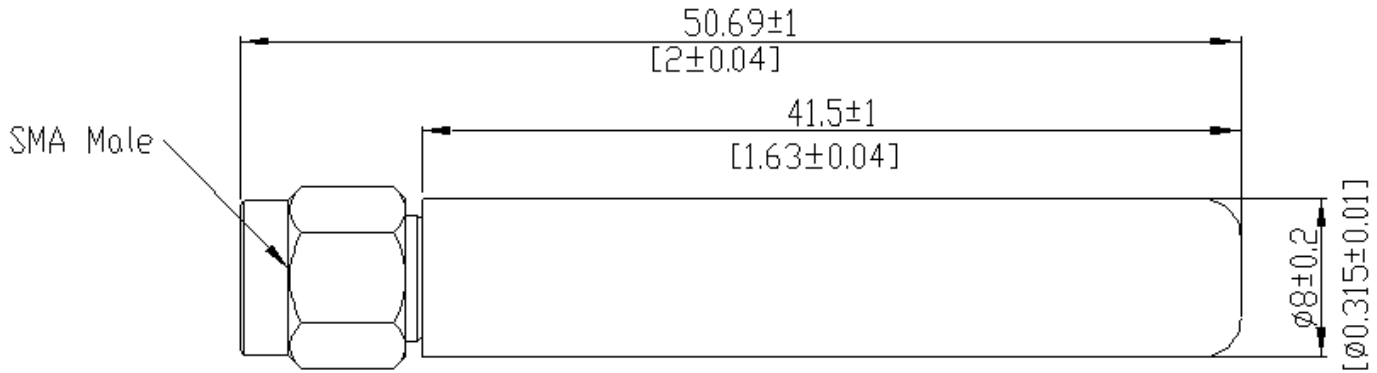
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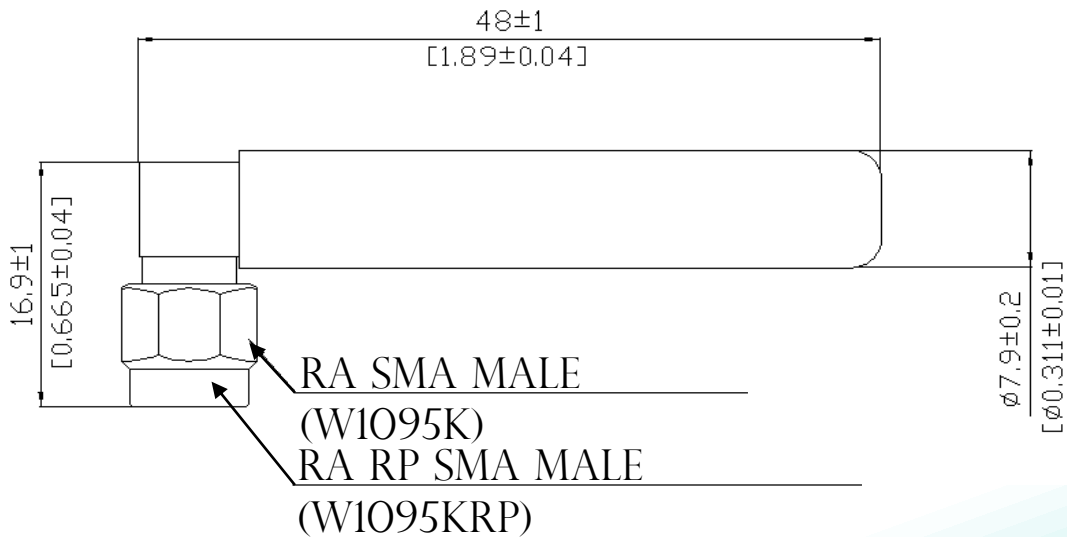
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MECHANICAL DRAWING

W1095



W1095K / W1095KRP



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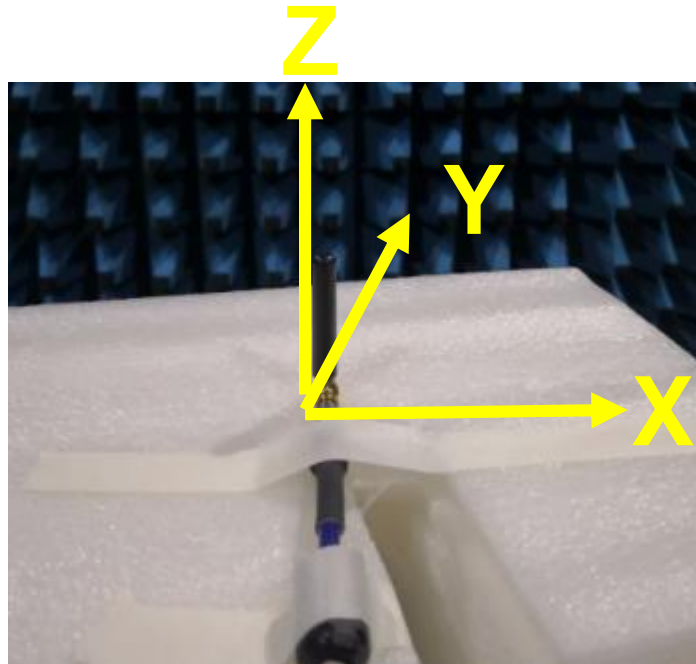
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TEST SETUP



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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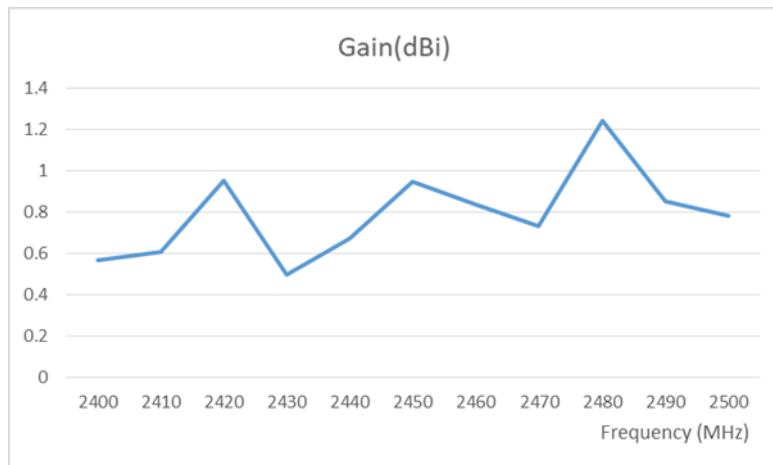
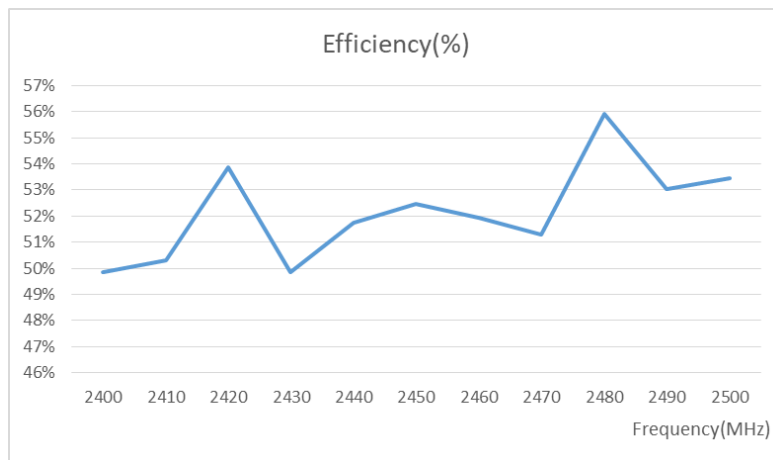
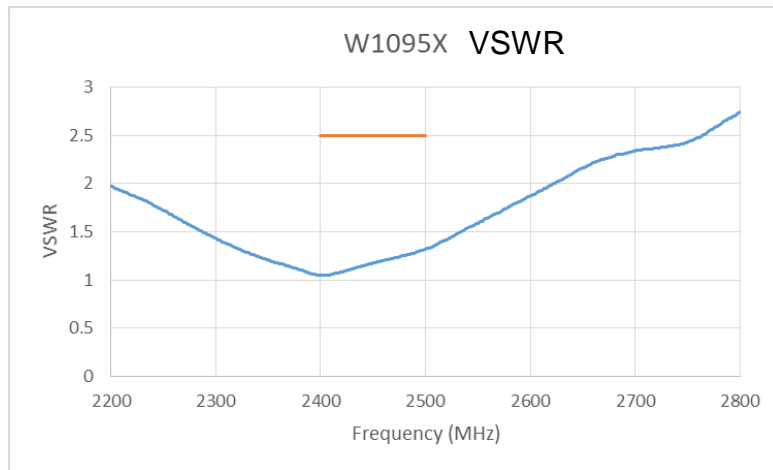
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CHARTS



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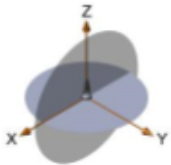
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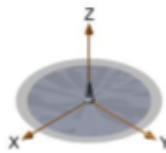
Free Space Radiation Pattern

Elevation Plane

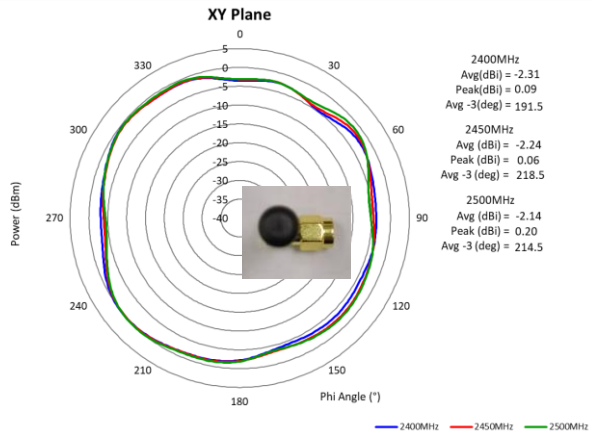
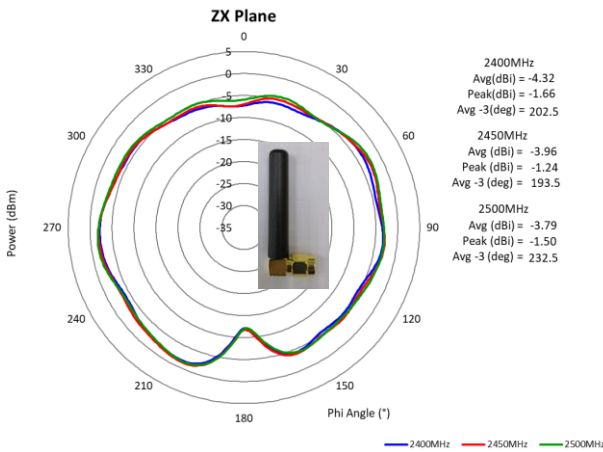
Horizontal Plane



XZ Plane



XY Plane



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