

Series: Stubby Antenna

TECHNICAL DATA SHEET

Description: 3G Pentaband 824-2170MHz,
Right angle

PART NUMBER: **W1900/W1902/W1900-M**

W1900/W1902

Features:

- Small form factor monopole
- Antenna size W x L x H
 - W1900/W1902 (18.4 x 8.0 x 49.5mm)
 - W1900-M (22 x 11.4 x 50.5mm)
- Lead free materials
- RoHS Compliant Product
- Connector Type:
 - W1900/W1900-M SMA (male)
 - W1902 RP-SMA (male)

W1900-M

Applications:

- Penta band EU/US GSM/WCDMA
- Frequency range:
850 / 900 / 1800 / 1900/ 2100 MHz
- M2M Applications

All dimensions are in mm

Issue: 1715

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	824-960MHz
	1710-2170MHz
Nominal Impedance	50Ω
Return Loss	-4dB 824-960MHz
	-6dB 1710-2170MHz
Peak Gain	2dBi
Efficiency	52%
Radiation Pattern	Omni
Polarization:	Linear
Power withstanding	5W

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Right angle**PART NUMBER:** W1900/W1902/W1900-M**MECHANICAL SPECIFICATIONS**

Weight	W1900/W1902 11.07g W1900-M 11.1g
Antenna Color / Material	Black
Connector type	W1900/W1900-M SMA(Male) W1902 RP-SMA(Male)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-30/+75 ° C
Storage Temperature	-30/+75 ° C
Ingress Protection	IP65(W1900-M)
Wind-loading	100km/h
RoHS Compliant	Yes

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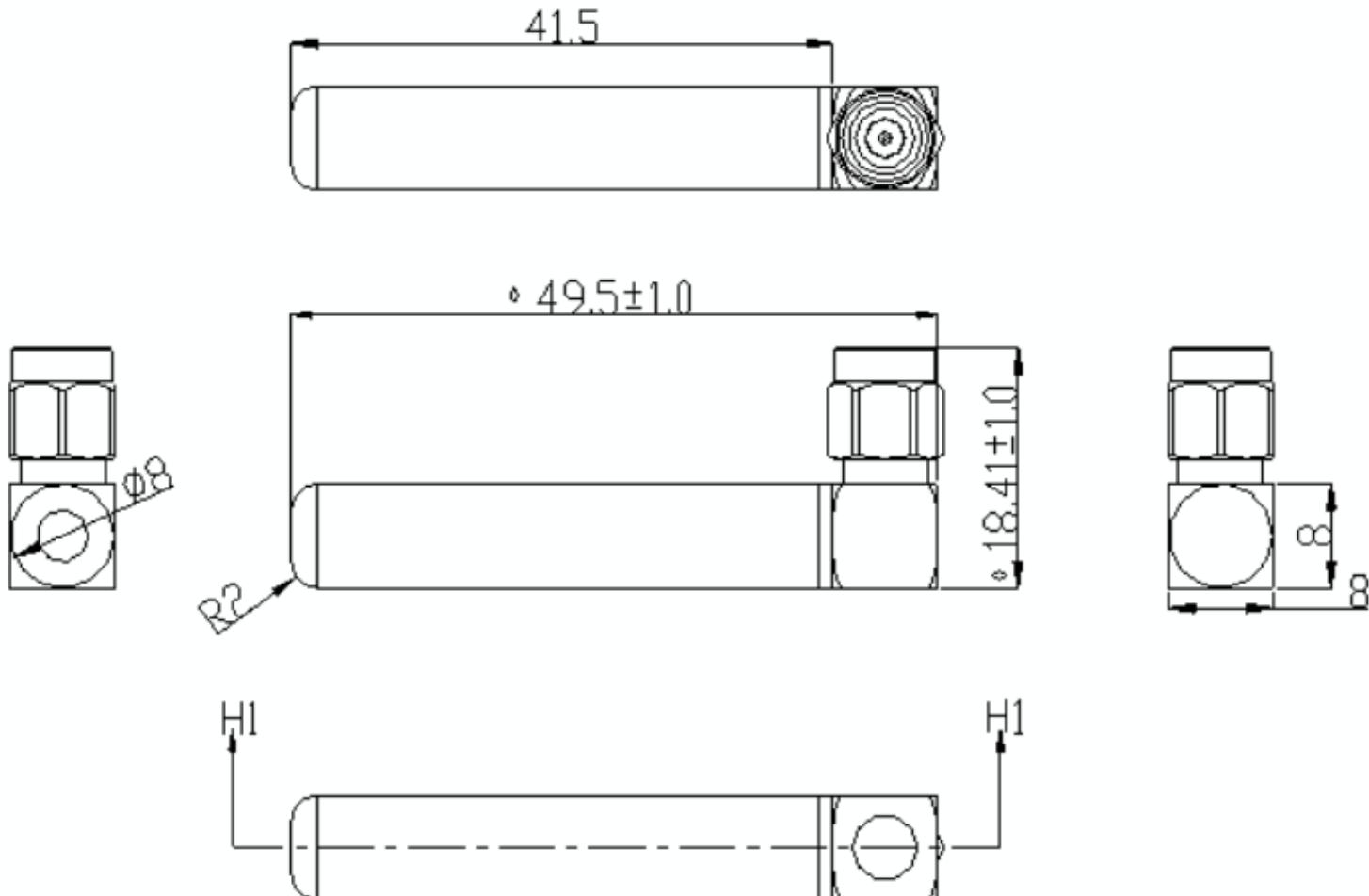
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Series: Stubby Antenna

Description: 3G Pentaband 824-2170MHz,
Right angle**PART NUMBER:** W1900/W1902/W1900-M**MECHANICAL DRAWING**

W1900/W1902



Issue: 1715

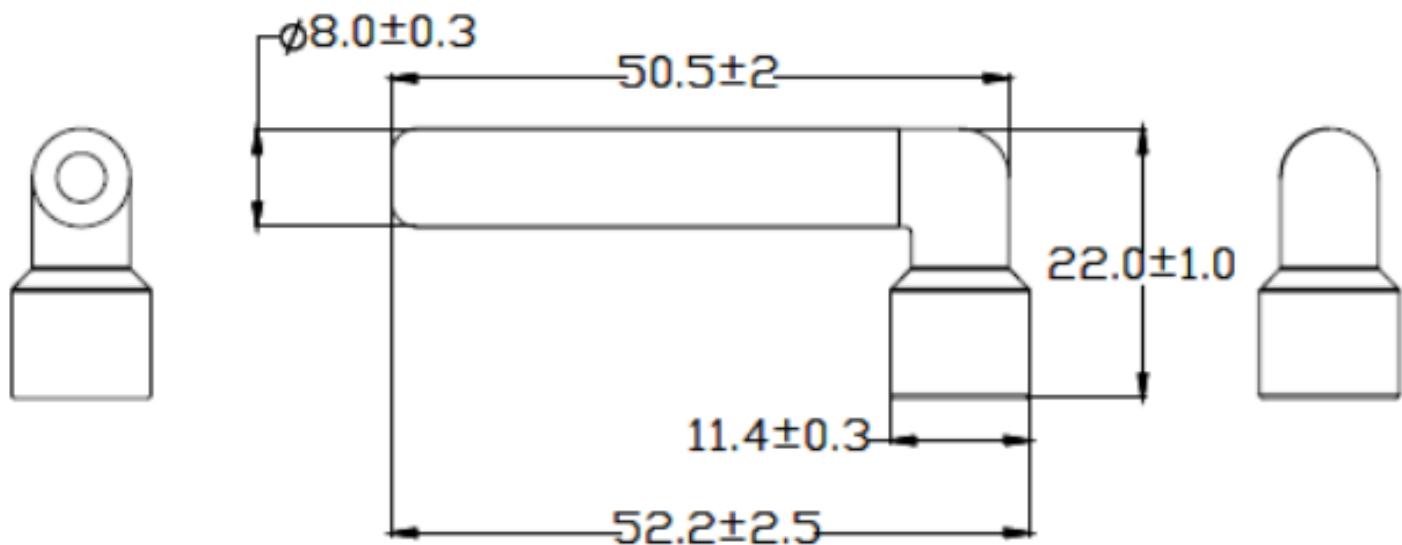
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Description: 3G Pentaband 824-2170MHz,
Right angle**PART NUMBER:** W1900/W1902/W1900-M**MECHANICAL DRAWING**

W1900-M



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Right angle

PART NUMBER: W1900/W1902/W1900-M

CHARTS

Return Loss



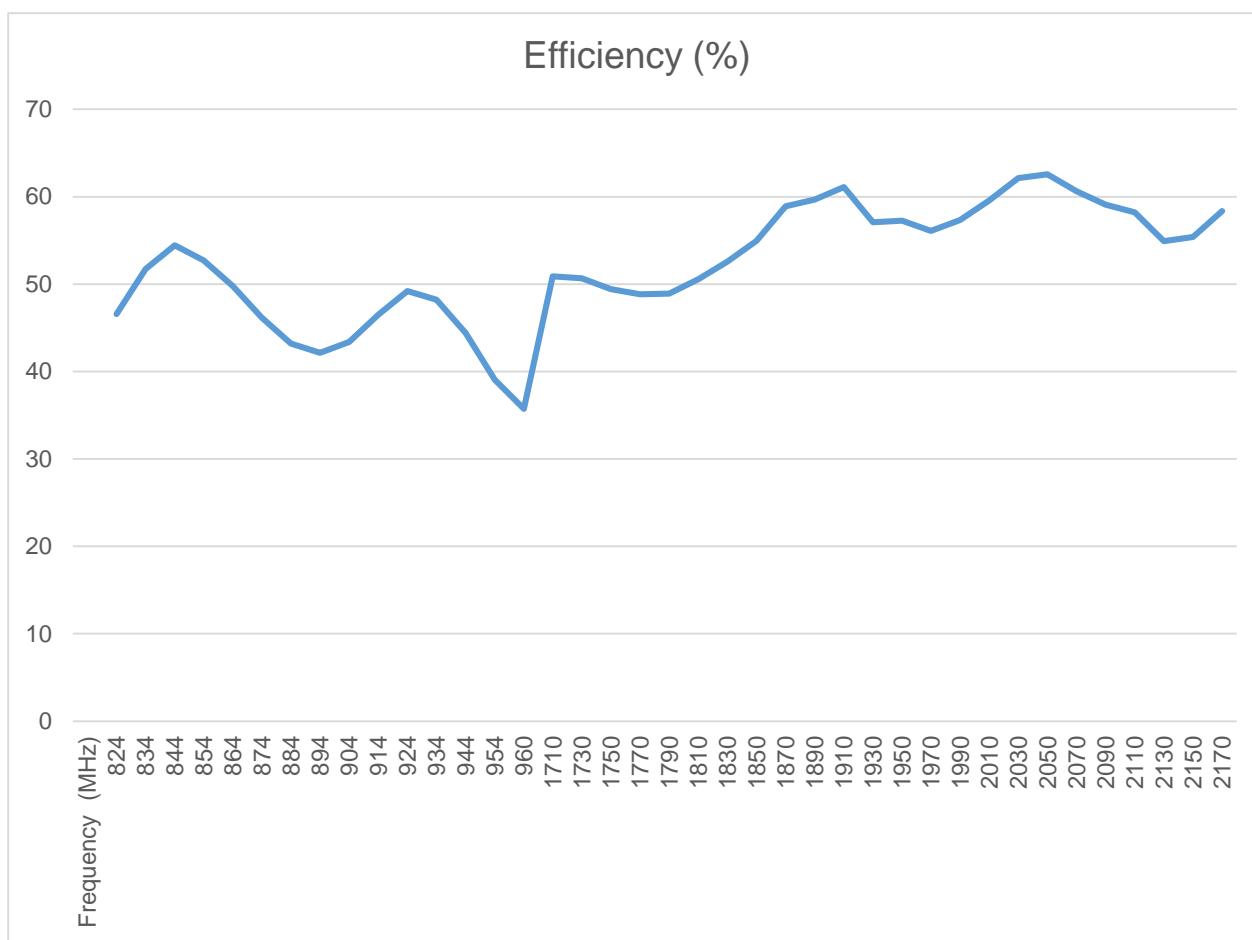
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Description: 3G Pentaband 824-2170MHz,
Right angle**PART NUMBER:** W1900/W1902/W1900-M**CHARTS****Efficiency(%)****Issue: 1715**

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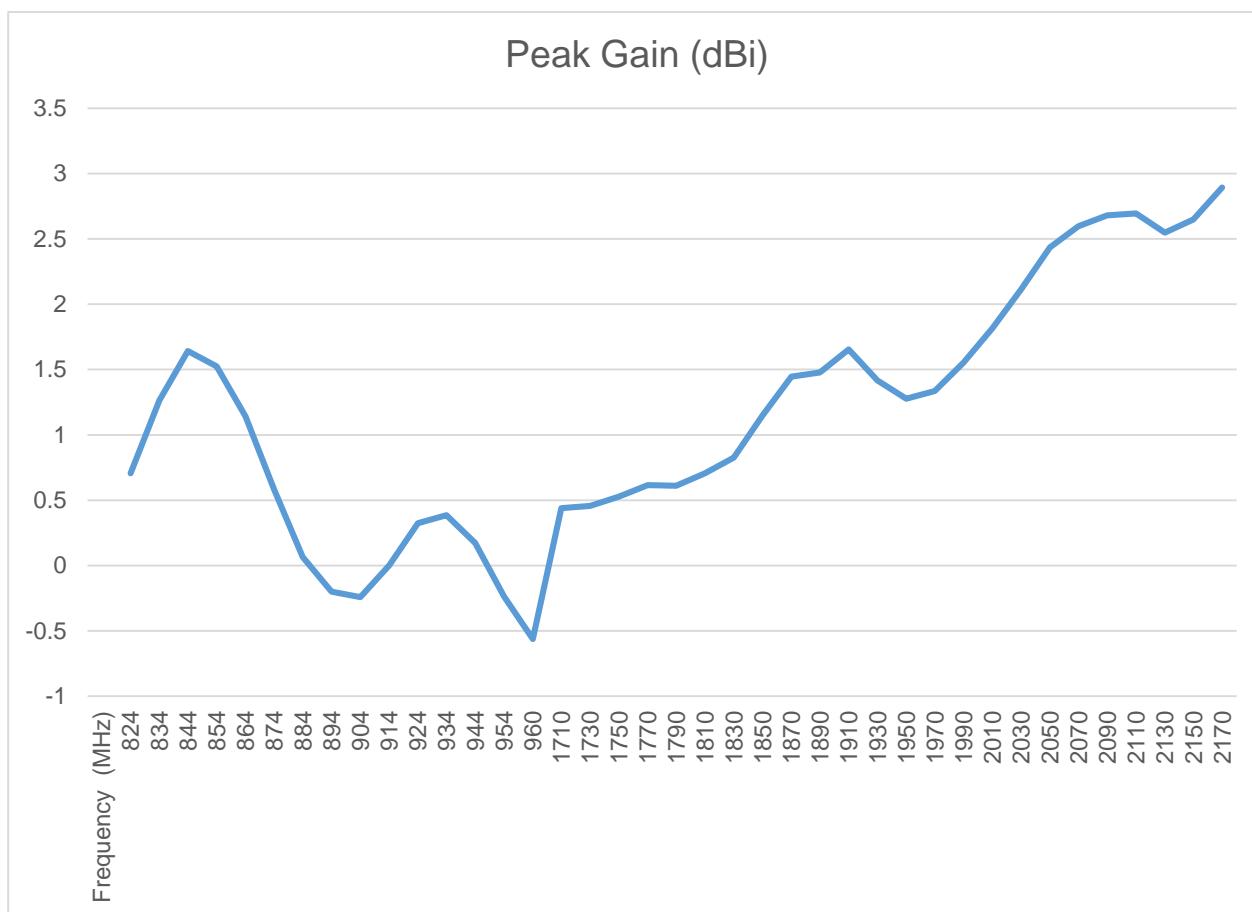


Description: 3G Pentaband 824-2170MHz,
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CHARTS

Peak Gain (dBi)



Issue: 1715

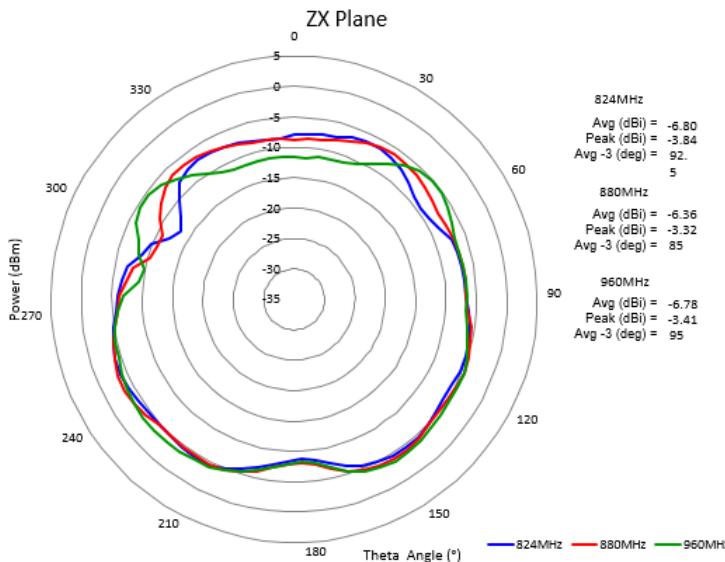
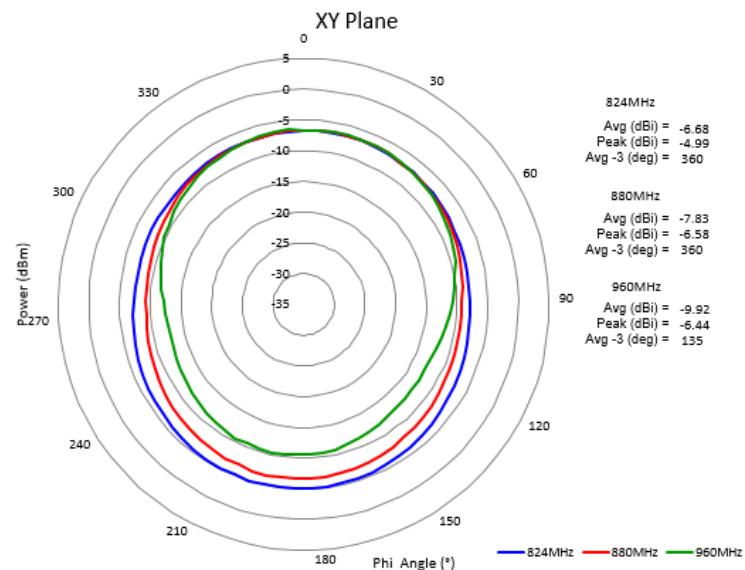
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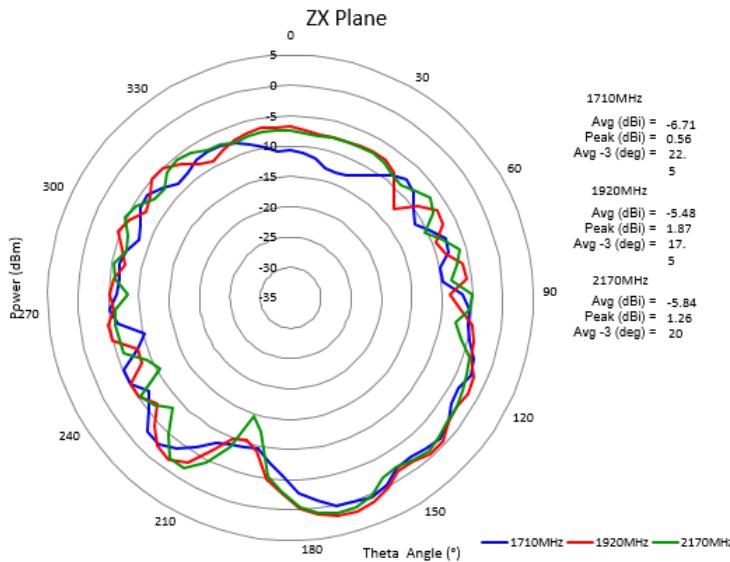
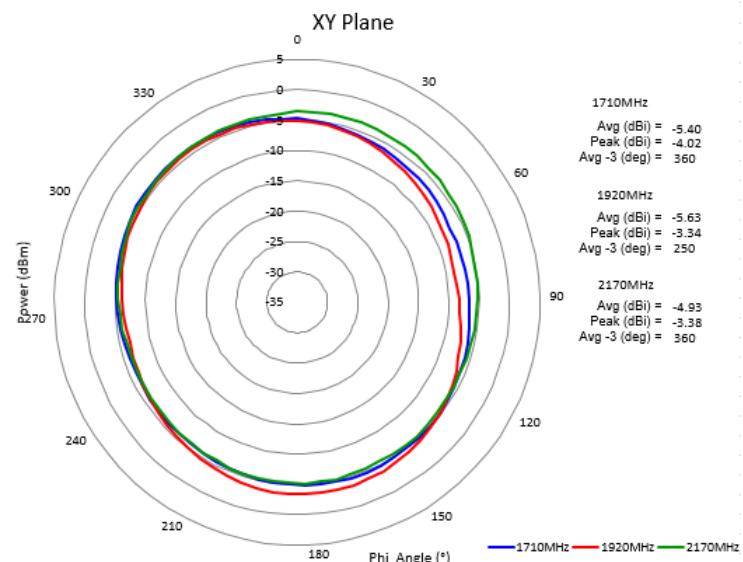
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PART NUMBER: W1900/W1902/W1900-M

CHARTS
Free Space Radiation Pattern
Elevation Plane

Horizontal Plane


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Right angle**
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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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