

Series: Stubby Antenna

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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For more information:

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15255 Innovation Drive #100  
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Pulse (Suzhou) Wireless Products Co, Inc.  
99 Huo Ju Road(#29 Bldg,4<sup>th</sup> Phase  
Suzhou New District  
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	1dBi 824-960MHz 2dBi 1710-2170MHz
Efficiency	52%
Radiation Pattern	Omni
Polarization:	Linear
Power withstanding	5W

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### MECHANICAL SPECIFICATIONS

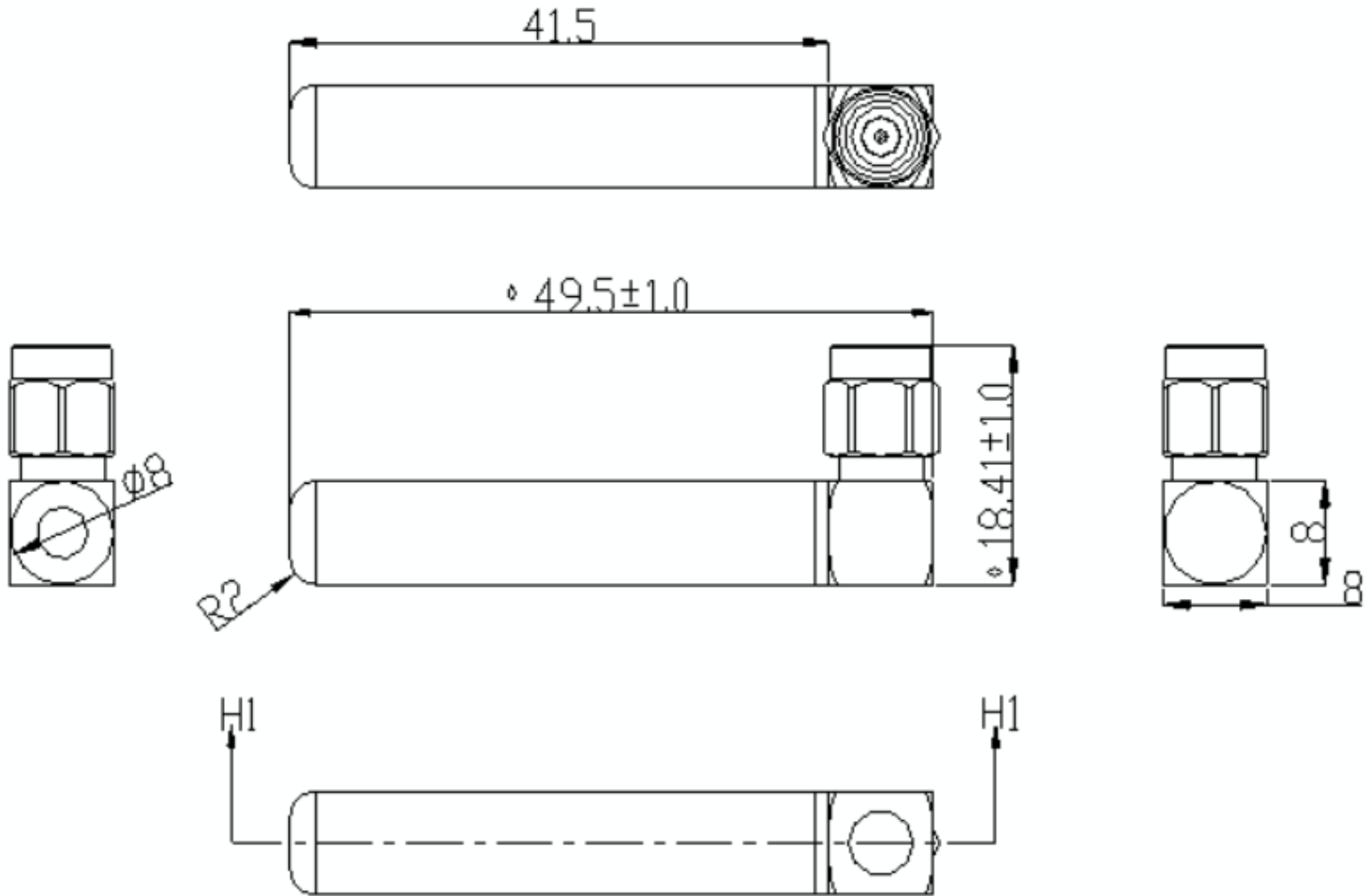
Weight	W1900/W1902 11.07g W1900-M 11.1g
Antenna Color / Material	Black
Connector type	W1900/W1900-M SMA(Male) W1902 RP-SMA(Male)

### ENVIRONMENTAL SPECIFICATIONS

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

MECHANICAL DRAWING

W1900/W1902



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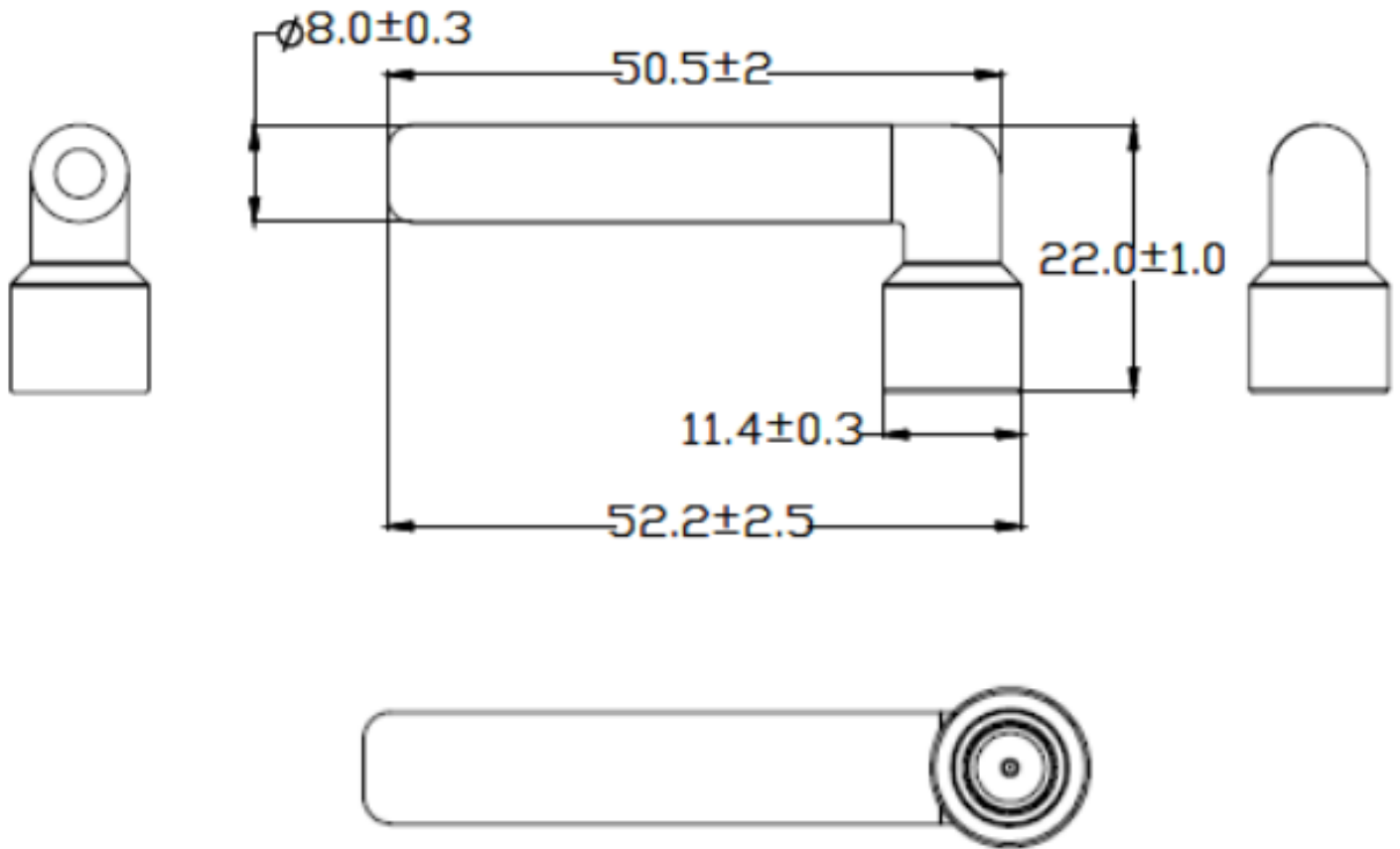
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MECHANICAL DRAWING

W1900-M



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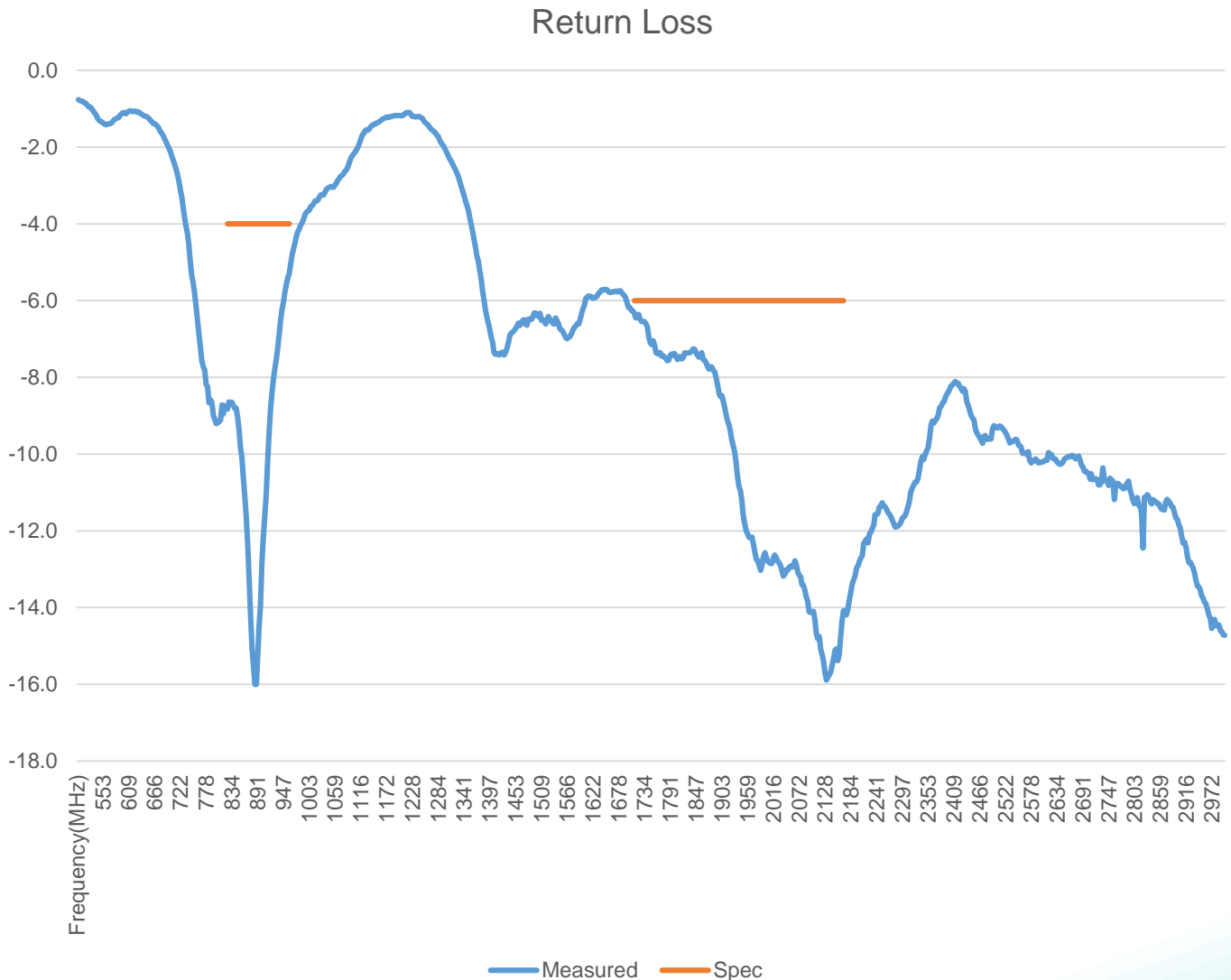
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CHARTS

Return Loss



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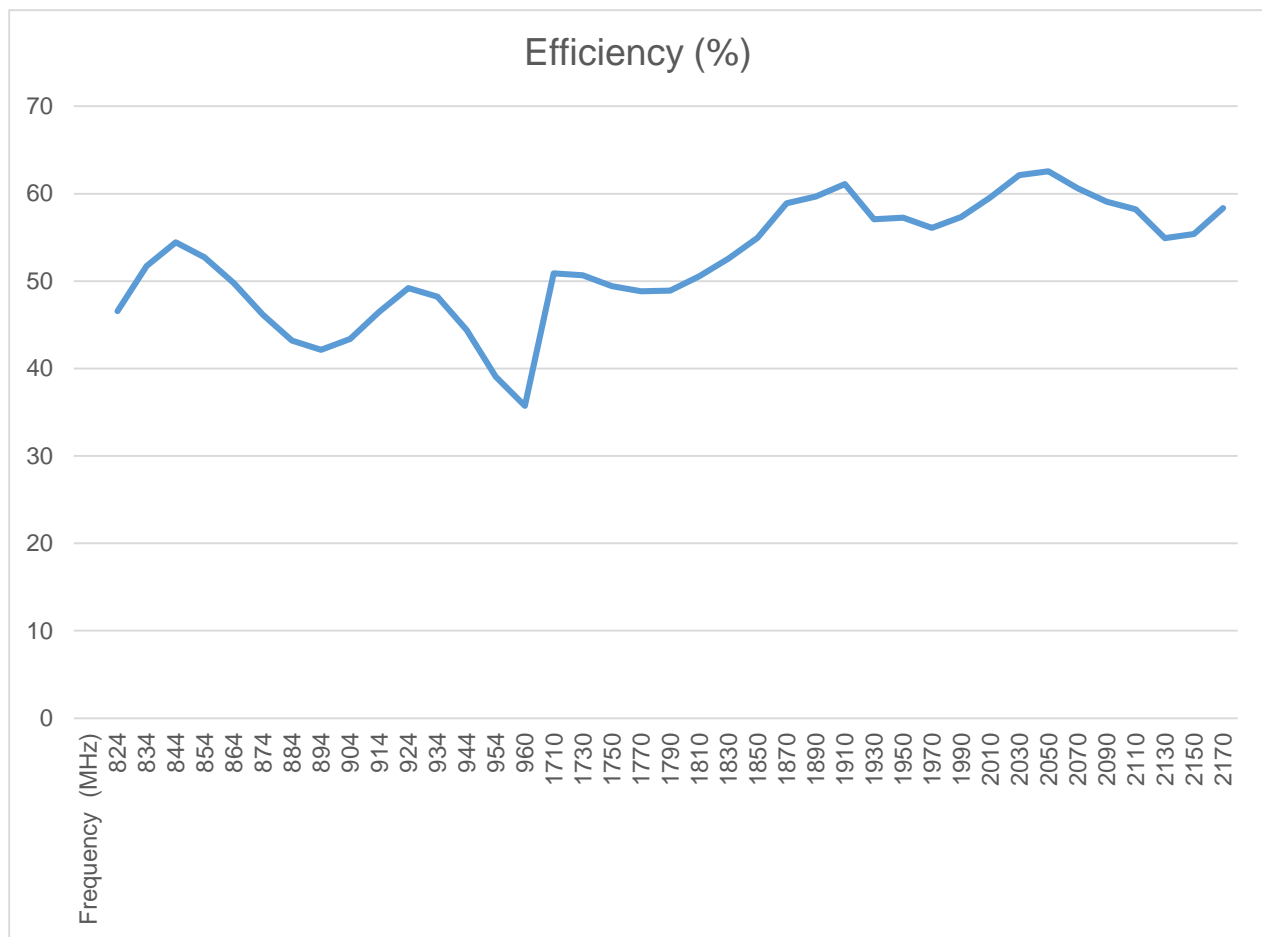
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CHARTS

Efficiency(%)



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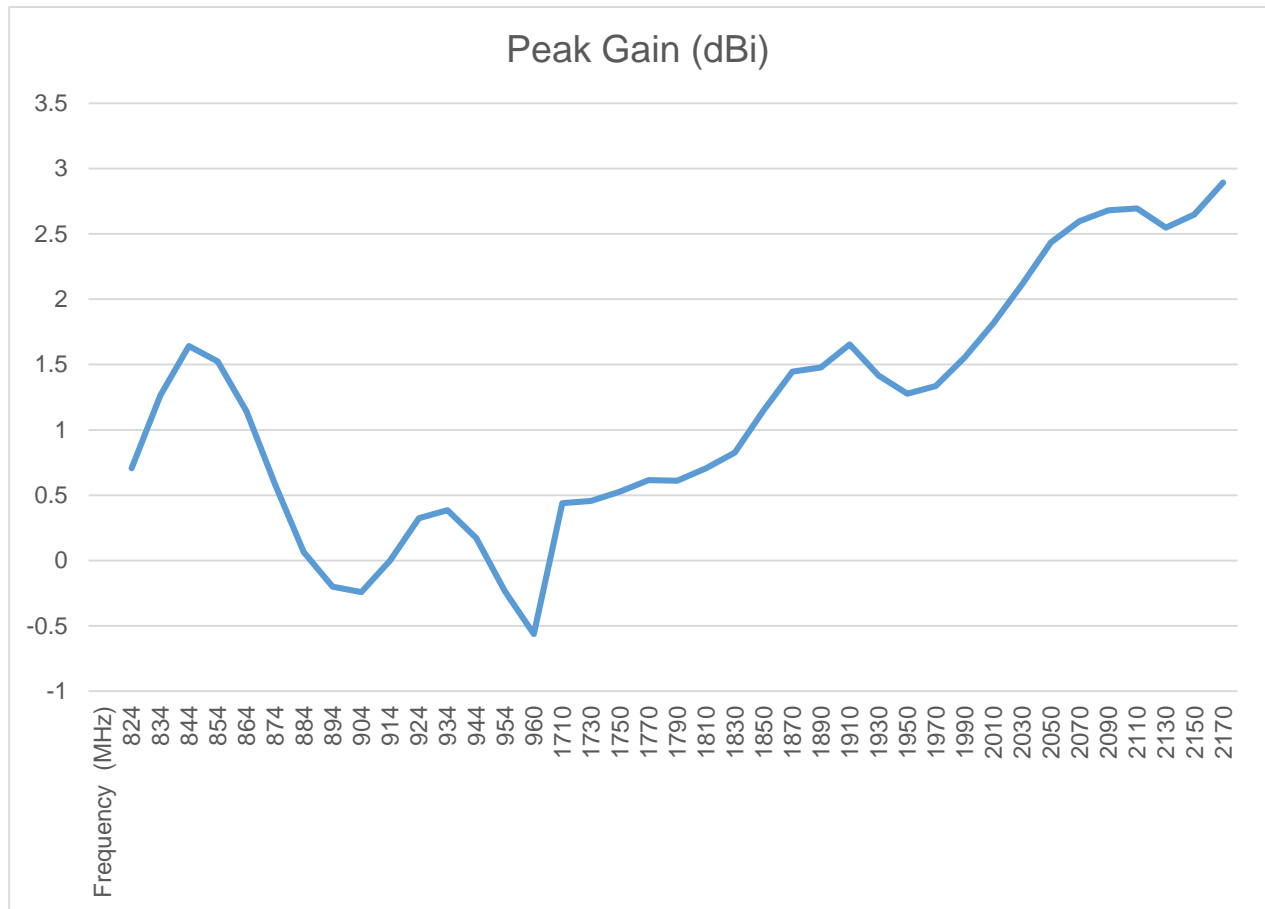
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CHARTS

Peak Gain (dBi)



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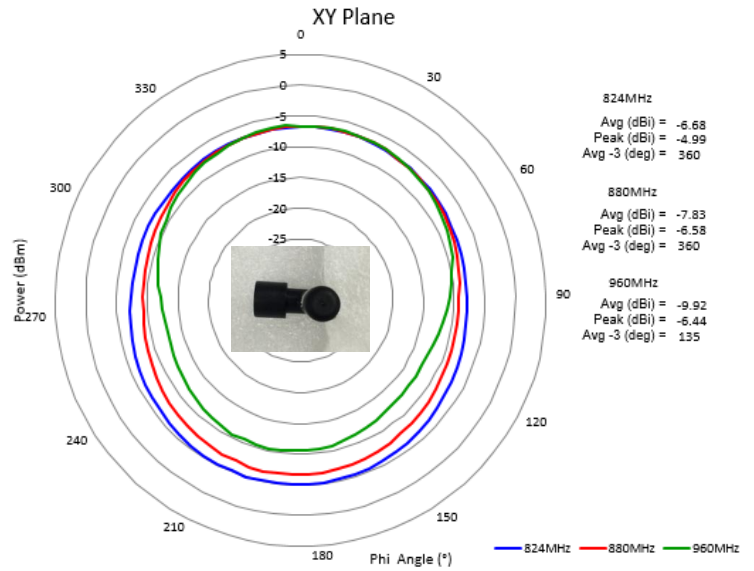
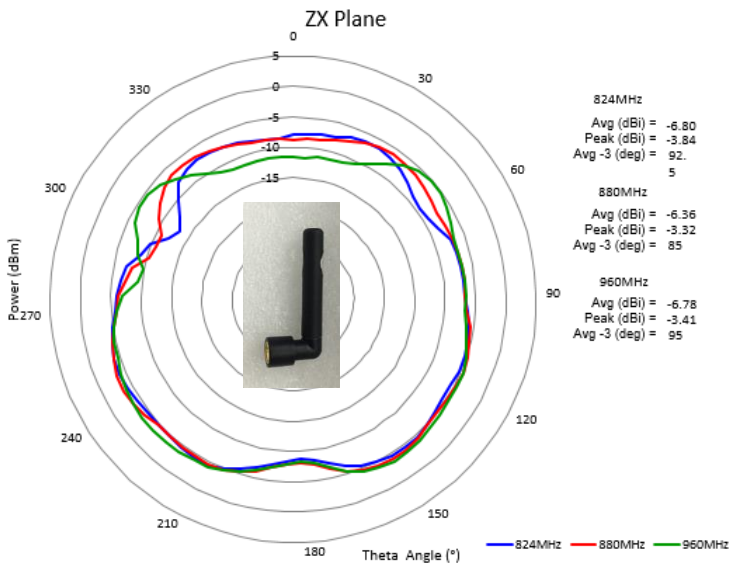
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CHARTS

Free Space Radiation Pattern

Elevation Plane

Horizontal Plane



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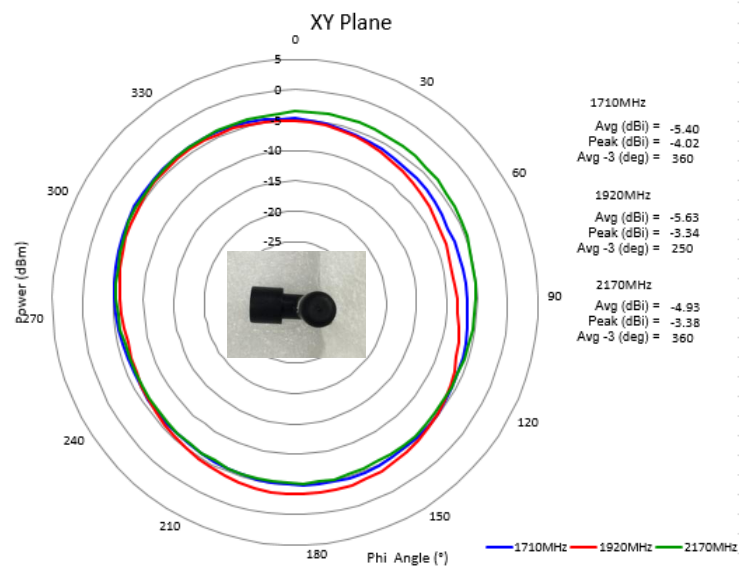
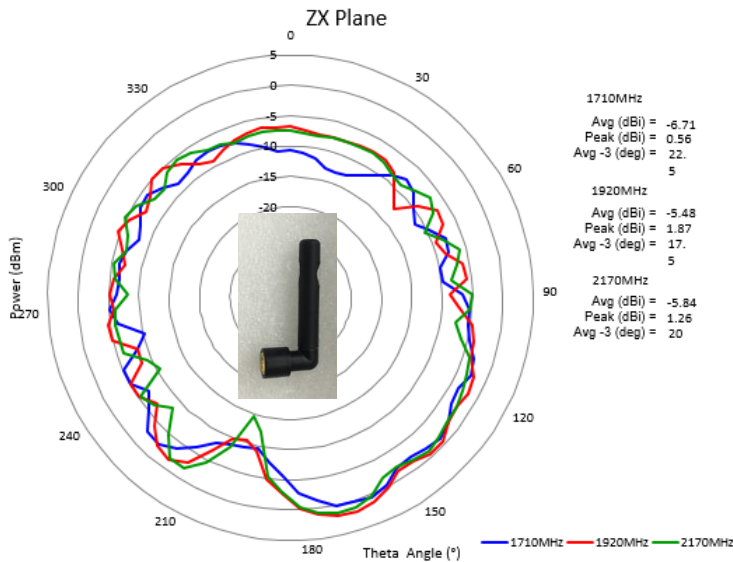
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CHARTS

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Elevation 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

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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