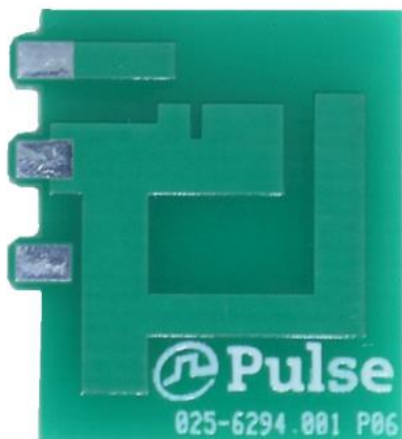




Features:

- 2400-2500/4900-5950MHz
- Efficiency >70%
- Gain > 3dBi
- Size 19.8x18x1.6mm
- Radiation pattern Omni
- RoHS Compliant

Applications:

- ISM band 2.4GHz radios
- ISM band 5GHz radios
- Bluetooth, BLE
- WiFi Dualband
- 2.4 and 5GHz MiMo applications
- Gateways, Data terminals, Hot Spots
- IoT, Security, Telematics

All dimensions are in mm / inches

Issue: 1812

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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



ELECTRICAL SPECIFICATIONS

Frequency	2400-2500/4900-5950 MHz
Nominal Impedance	50 Ω
*VSWR	2:1
Radiation Pattern	Omni
*Gain	>3dBi
*Efficiency	>60%
Polarization	Vertical
Power Withstanding	2 W

MECHANICAL SPECIFICATIONS

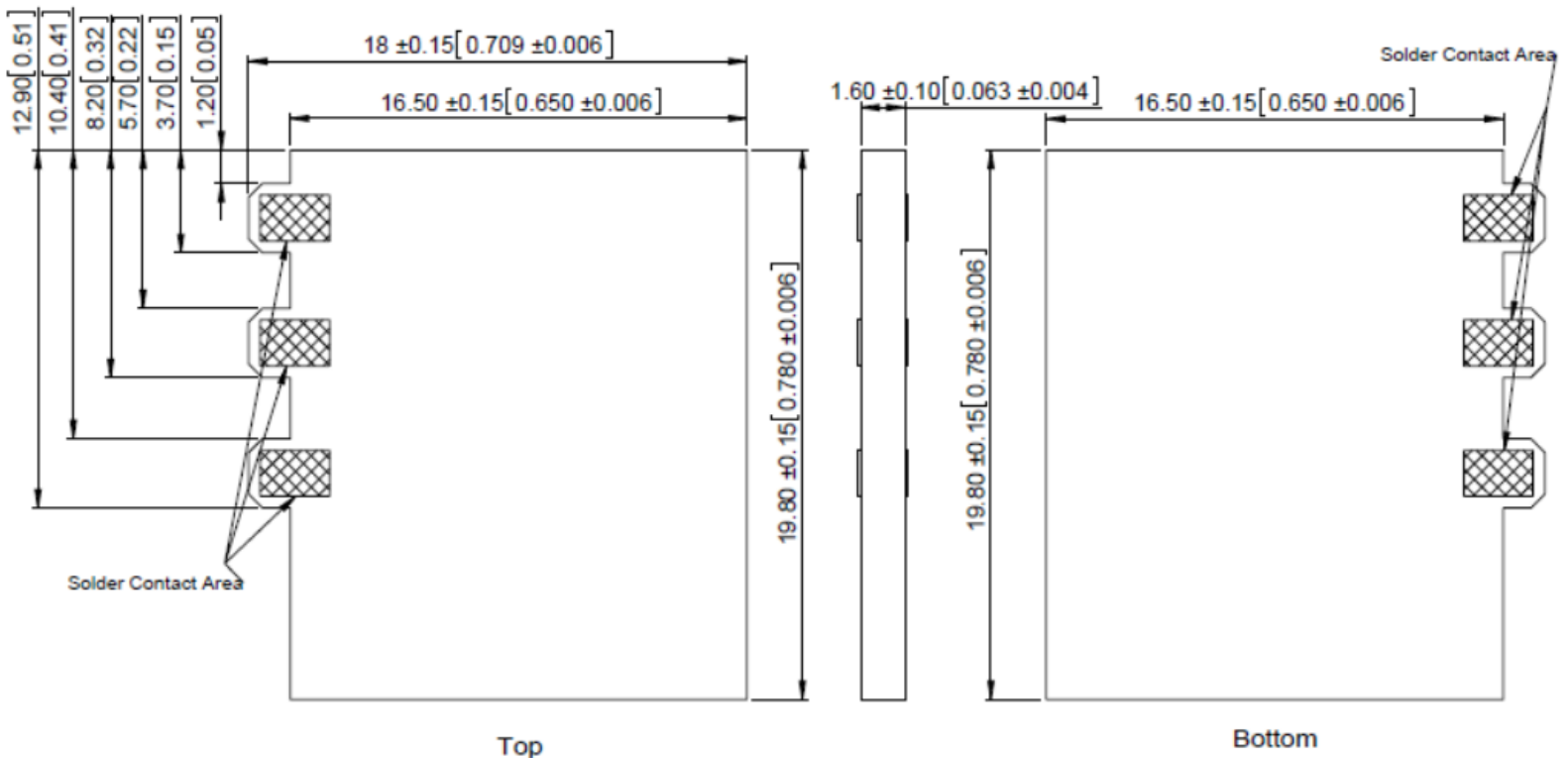
Overall Length	19.8x18x1.6mm
Weight	1.06g
Antenna Material	PCB Antenna
Fix system	Solder

ENVIRONMENTAL SPECIFICATIONS

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

OTHER SPECIFICATIONS

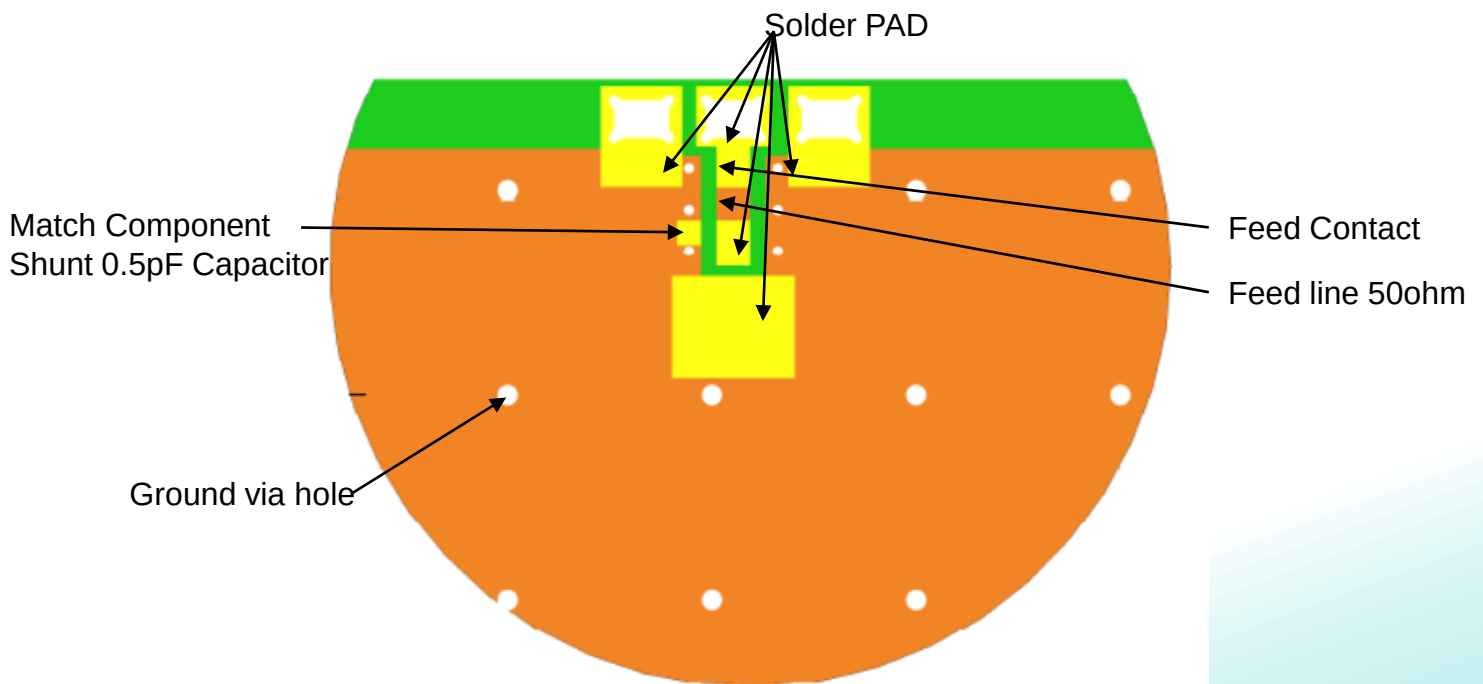
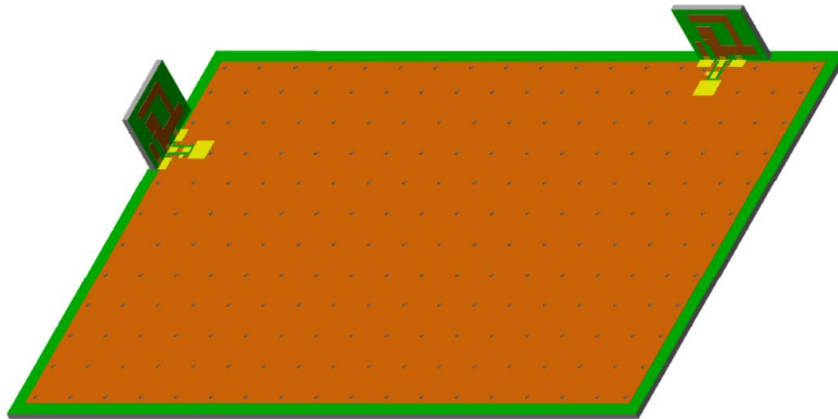
MECHANICAL DRAWING



Dimension Unit: mm[Inch]

TEST SETUP

Test PWB for PCB Antenna W3712



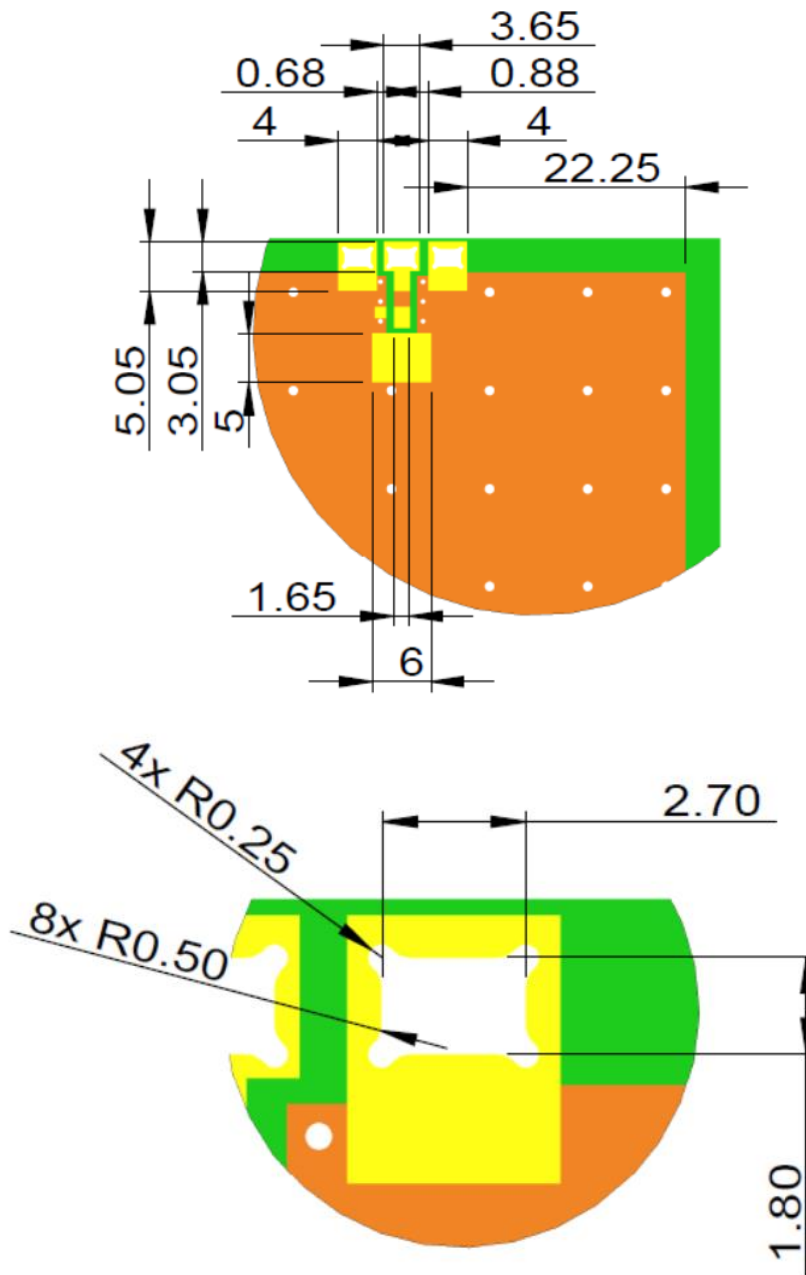
Series: Embedded PCB Ant

Description: 2.4/5GHz Vertical mount PCB Antenna

PART NUMBER: W3712

TEST SETUP

PWB PAD Dimension in top copper



Issue: 1812

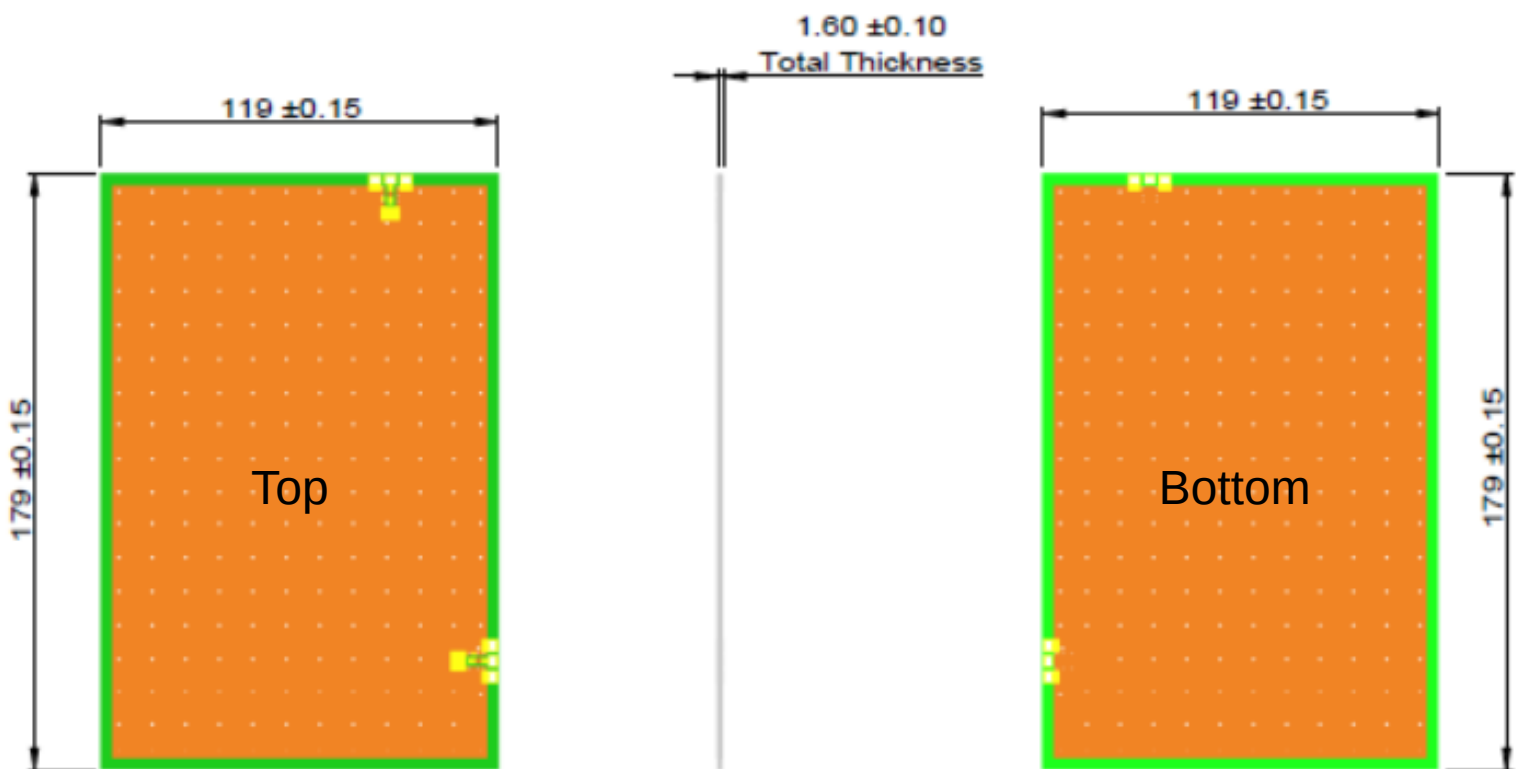
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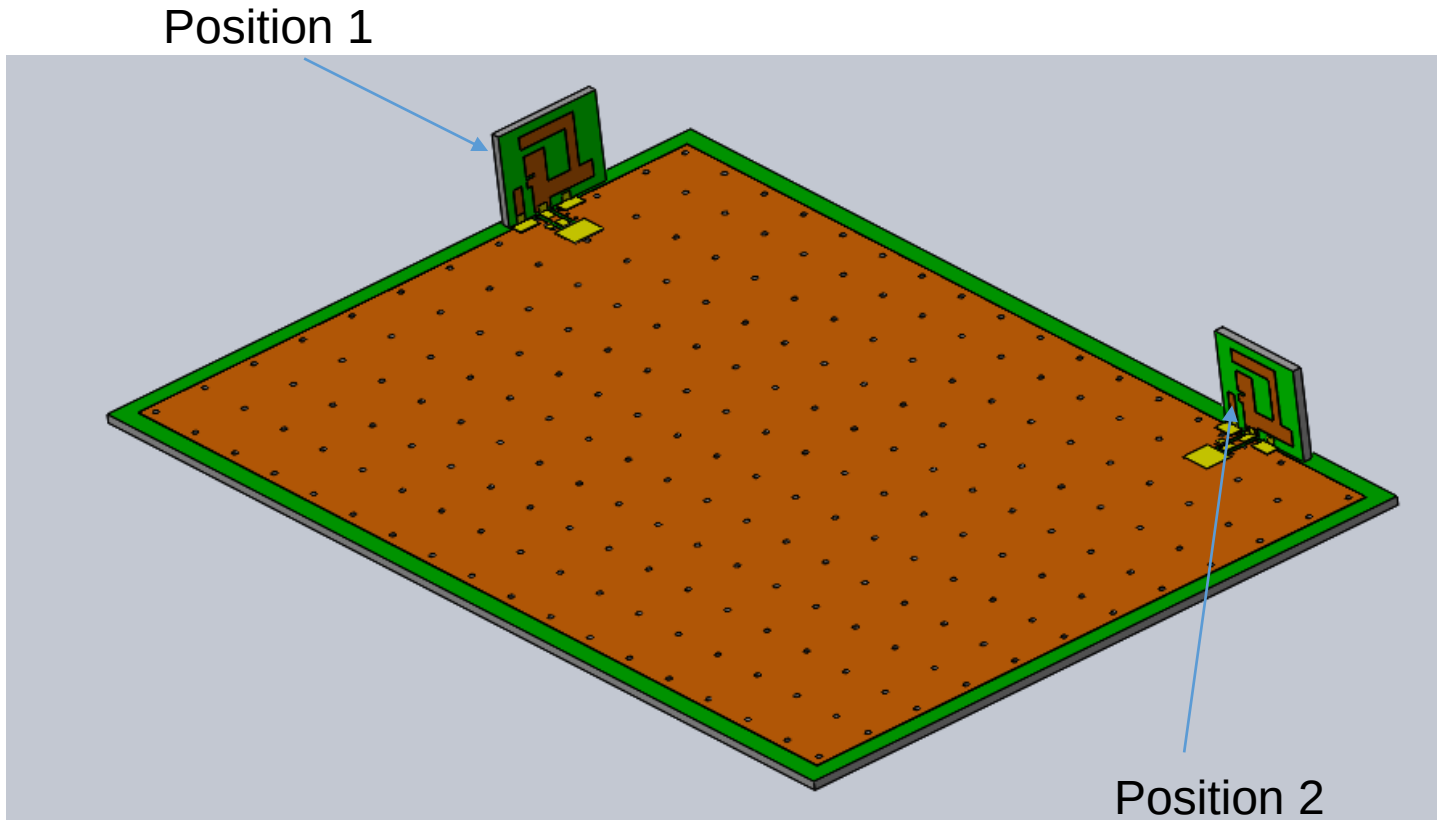
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TEST SETUP

PWB Layout, Pulse PWB size; 119x179mm, thickness 1.6mm, other size boards can be used depending on customer size.



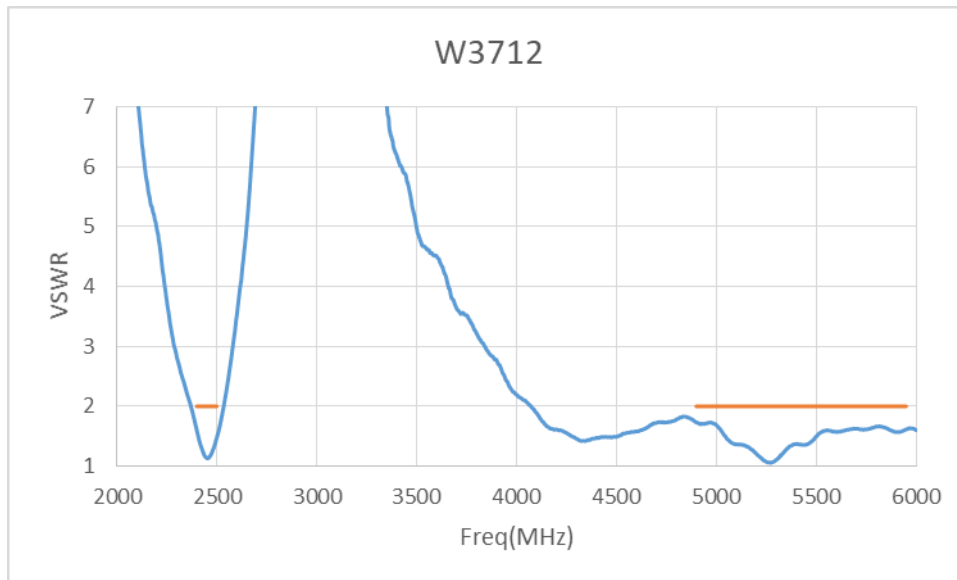
TEST SETUP



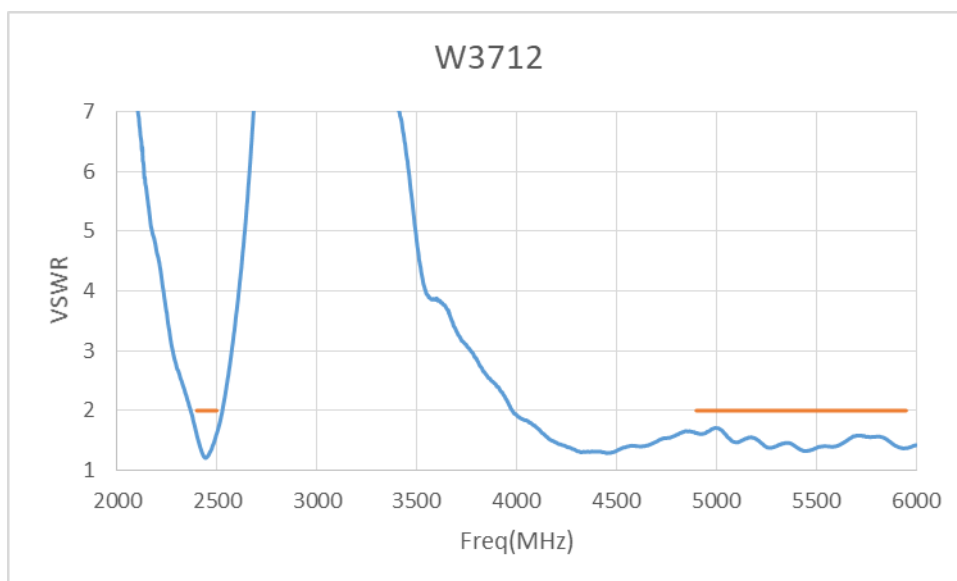
Test on Pulse test board in free space.

CHARTS

VSWR at position 1

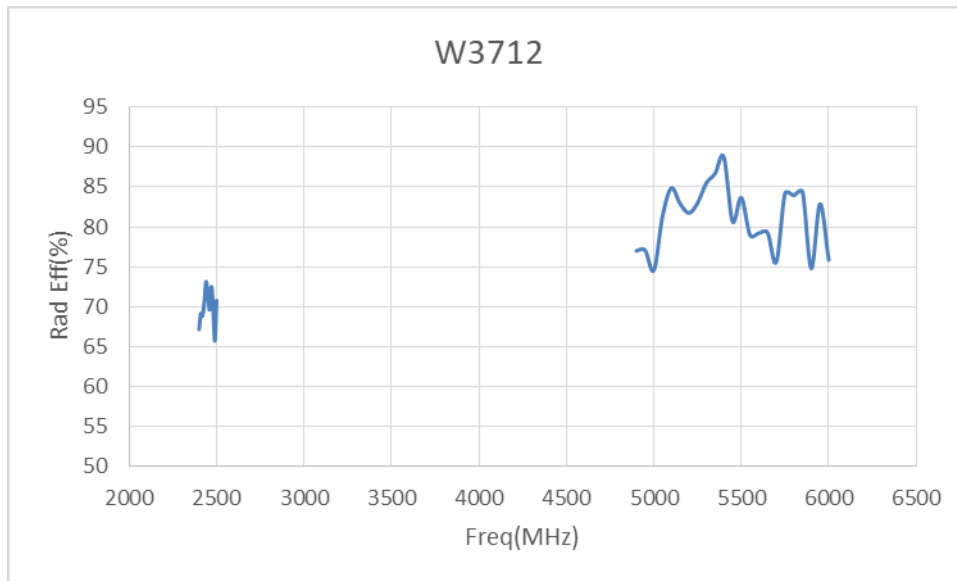


VSWR at position 2

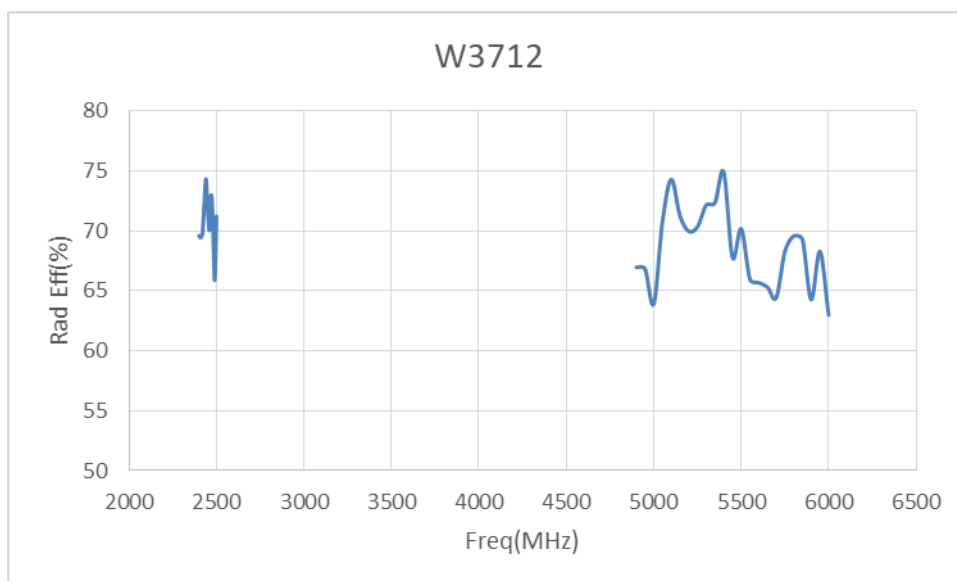


CHARTS

Radiation Efficiency at position 1

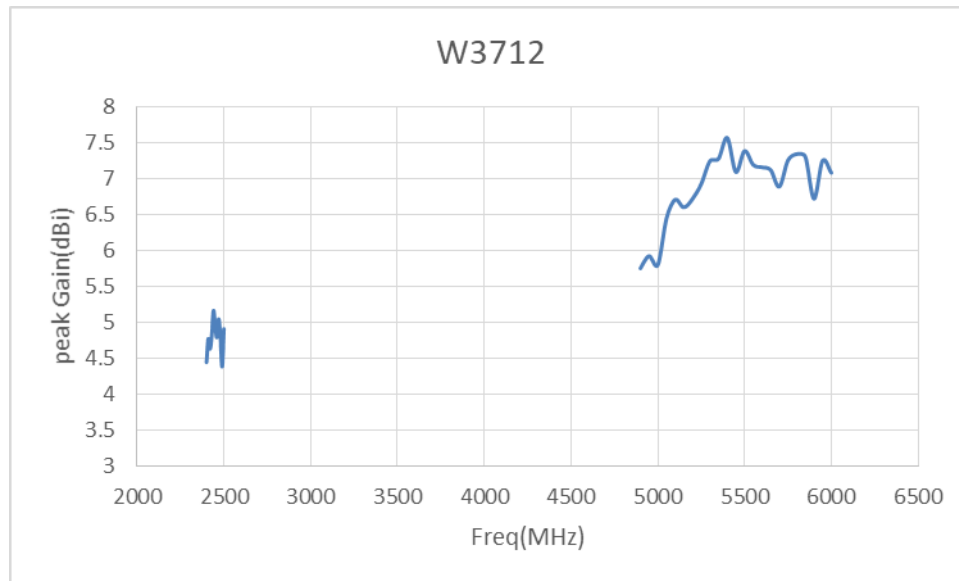


Radiation Efficiency at position 2

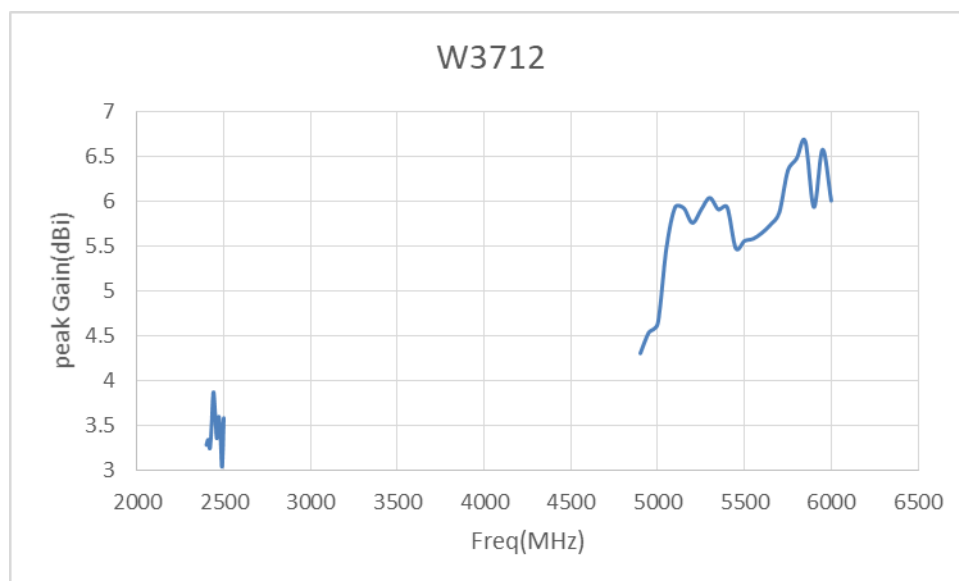


CHARTS

Peak Gain at position 1

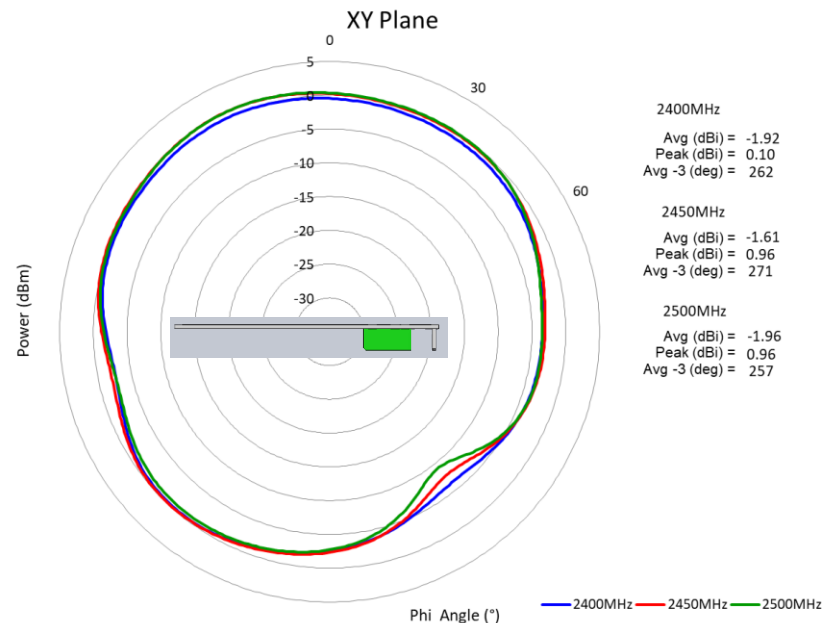


Peak Gain at position 2

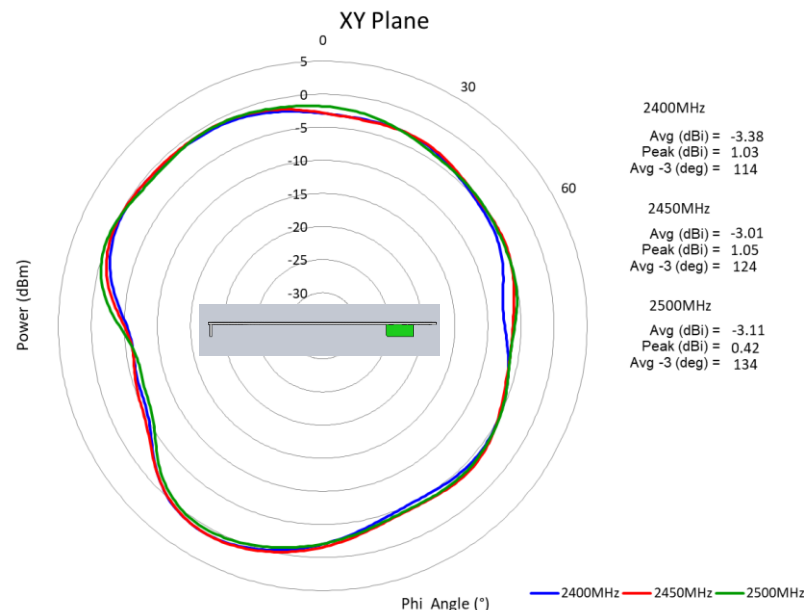


CHARTS

2.4GHz band Radiation Pattern of X-Y plane at position 1



2.4GHz Band Radiation Pattern of X-Y plane at position 2



Issue: 1812

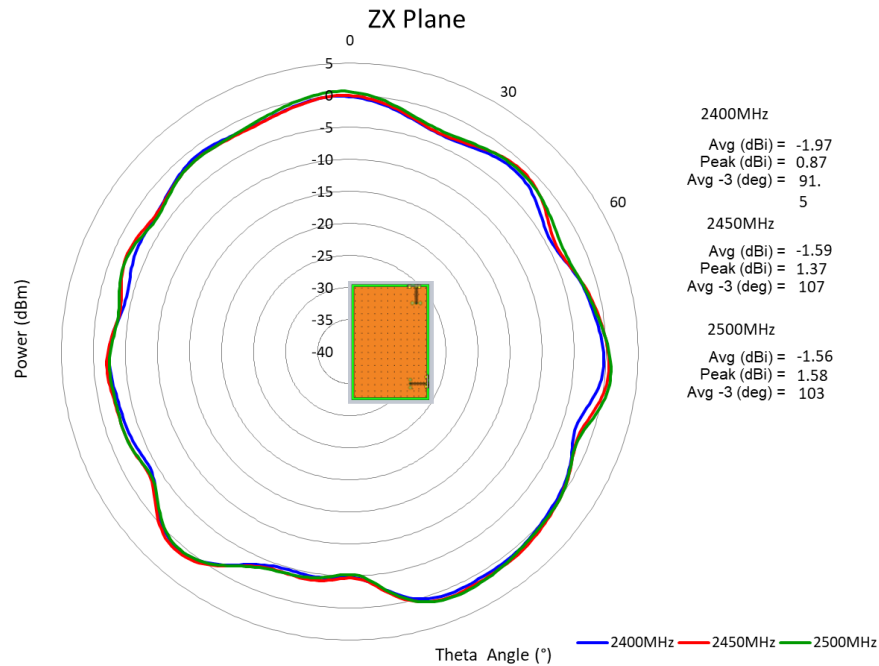
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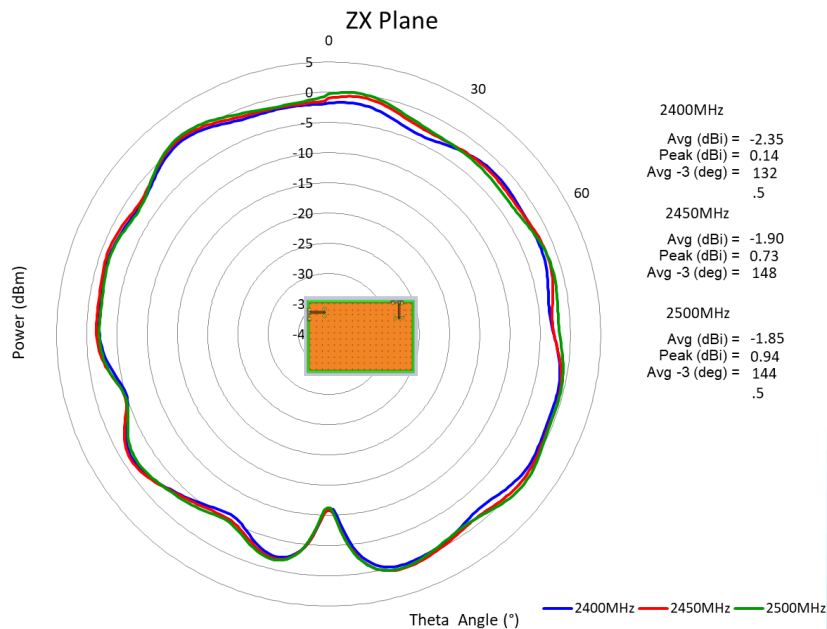
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CHARTS

2.4GHz band Radiation Pattern of Z-X plane at position 1



2.4GHz band Radiation Pattern of X-Z plane at position 2



Issue: 1812

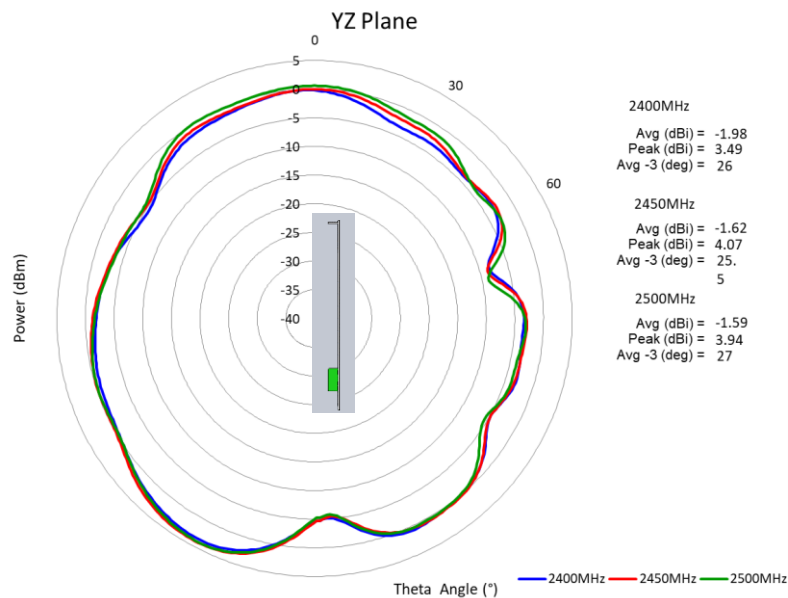
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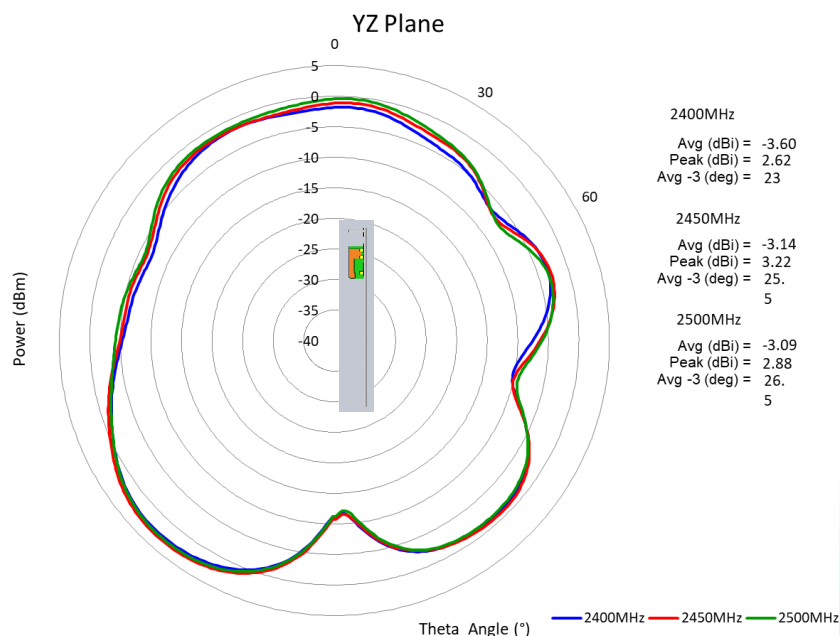
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CHARTS

2.4GHz band Radiation Pattern of Y-Z plane at position 1



2.4GHz band Radiation Pattern of Y-Z plane at position 2



Issue: 1812

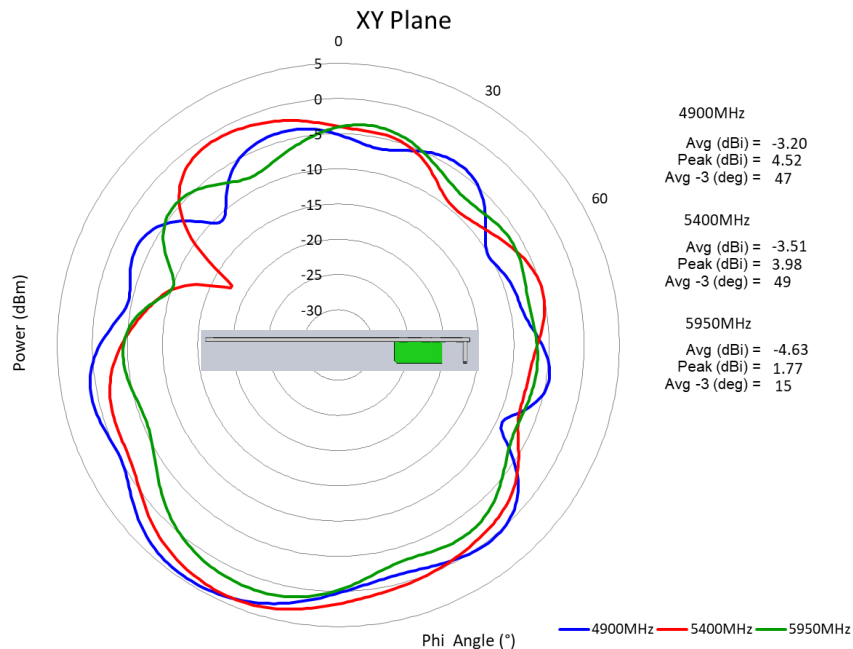
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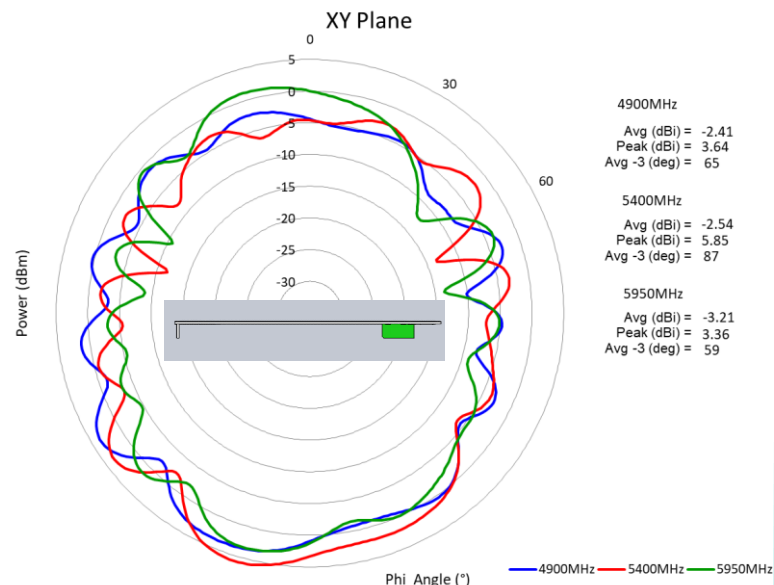
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CHARTS

5GHz band Radiation Pattern of X-Y plane at position 1

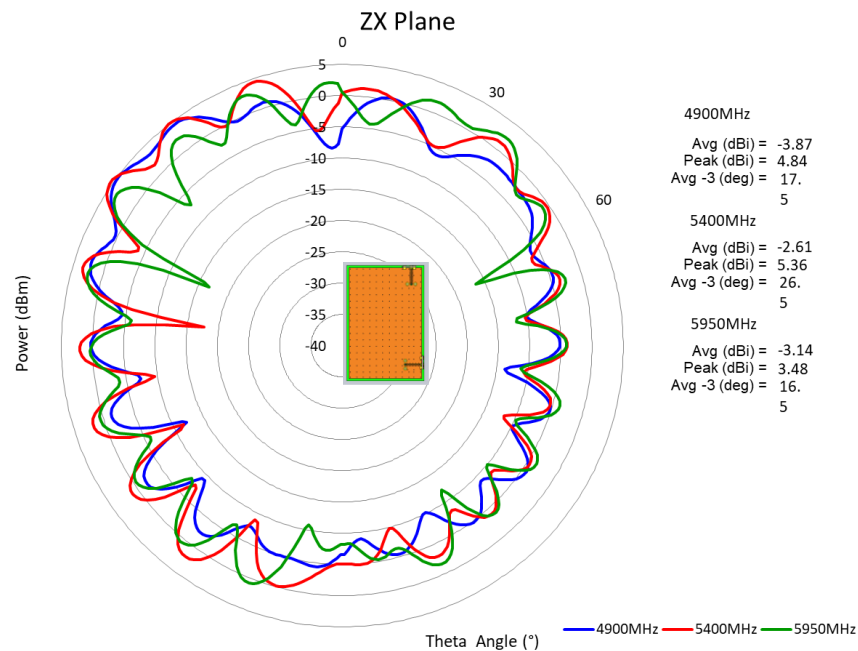


5GHz Band Radiation Pattern of X-Y plane at position 2

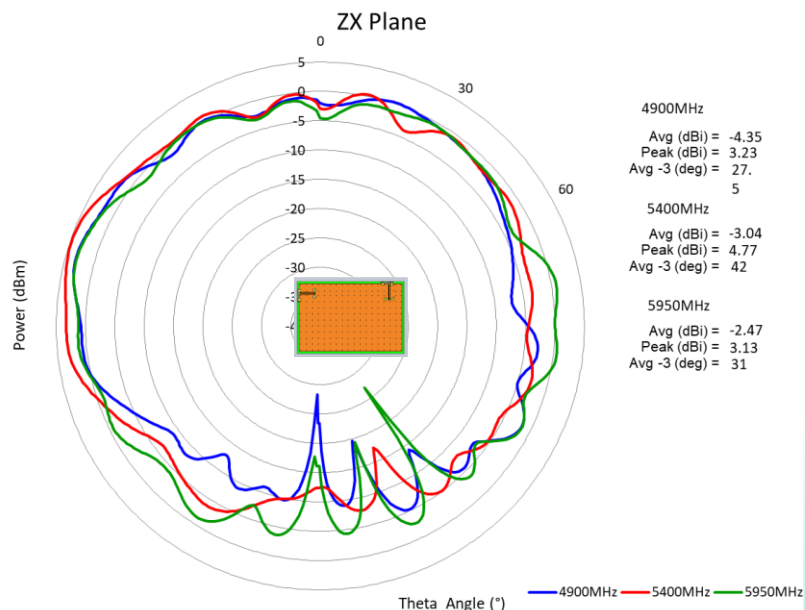


CHARTS

5GHz band Radiation Pattern of Z-X plane at position 1



5GHz band Radiation Pattern of X-Z plane at position 2



Issue: 1812

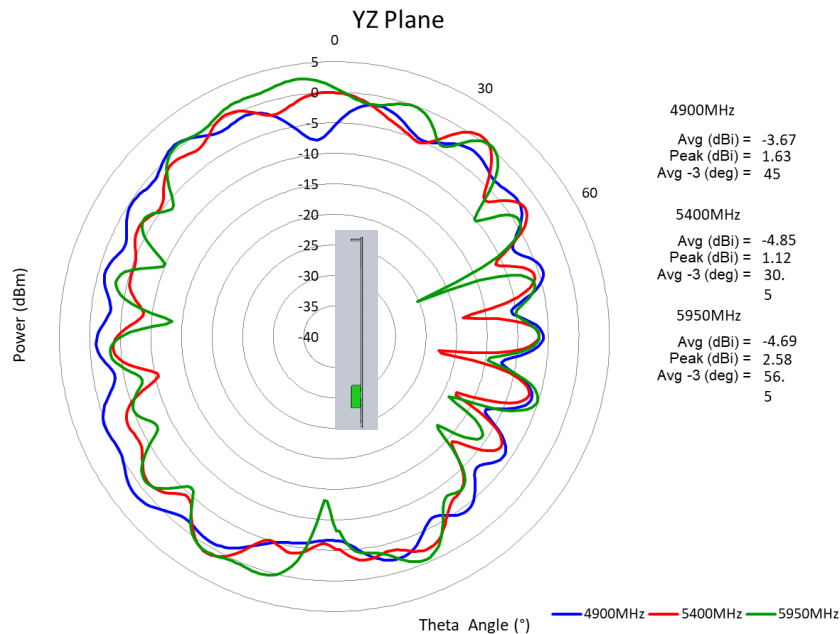
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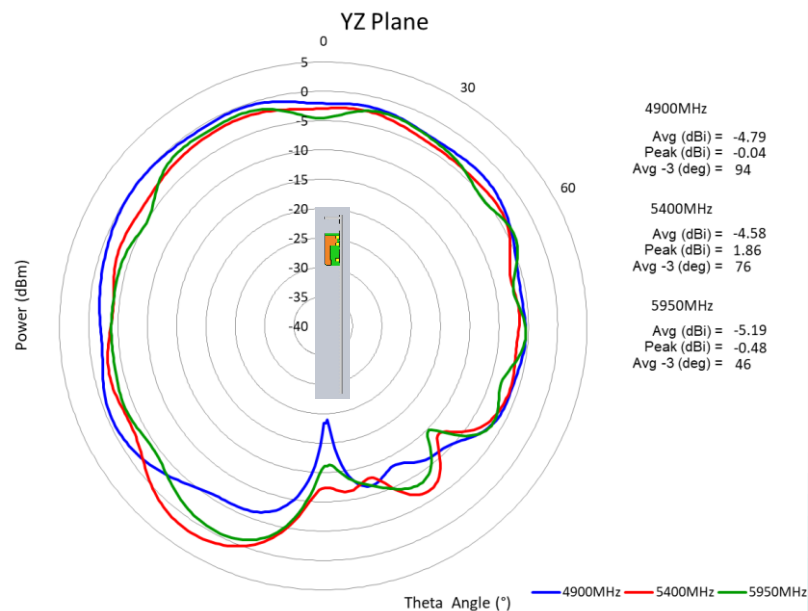
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CHARTS

5GHz band Radiation Pattern of Y-Z plane at position 1



5GHz band Radiation Pattern of Y-Z plane at position 2



PACKAGING

90pcs/PE bag

PE bag size:140x70x0.05mm

8 pcs PE bag/Vacuum bag

Vacuum bag size:310x310x0.08mm

5pcs Vacuum bag/package box

Package box:350x350x120mm

Total 3600pcs/ Package Box

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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Email: org@lifeelectronics.ru

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