PulseLARSEN Antennas

TECHNICAL DATA SHEET

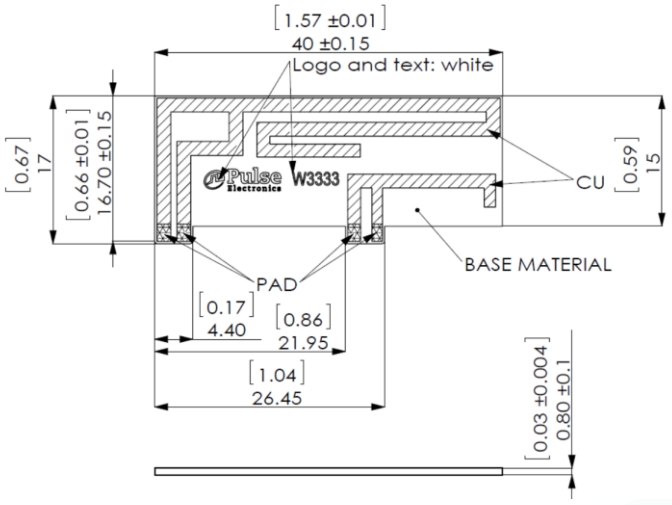
Description: ISM868/915MHz, 2.4GHz Ant

Series: PCB Embedded

PART NUMBER: W3333

Features:

- Small clearance needed (about 4mm)
- Test PCB size 118.5*102mm
- High efficiency
- Small compact form factor
- Low profile
- Multi-band (ISM and 2.4 GHz)
- Board Mountable
- 2 connection points
- Lead free materials
- RoHS Compliant Product



Applications:

- Data transmission for IoT applications
- High speed data terminals
- Routers using ISM frequencies
- ISM and WiFi dual applications
- Hot Spots
- Radio modules
- WiFi / BLE / Zigbee

All dimensions are in mm / inches

Issue: 1615

RoHS COMPLIANT

For more information:

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Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998

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ELECTRICAL SPECIFICATIONS

Frequency port1	863-928MHz
Frequency port2	2400-2500MHz
Nominal Impedance	50Ω
Return Loss	-8dB max@ISM868/915MHz
	-12dB max@ISM2.4GHz
Isolation port1&port2	-15dB
Average efficiency	75%@ISM868/915MHz
	75%@ISM2.4GHz
Gain	2.5 +/- 1dBi@ISM868/915MHz
	4+/- 1dBi@ISM2.4GHz
Radiation Pattern	Omni
Polarization:	linear
Power withstanding	3W

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MECHANICAL SPECIFICATIONS

Material	FR4
Color	Black
Weight	1g
Overall Length	1.57 INCHES
Overall width	0.67 INCHES

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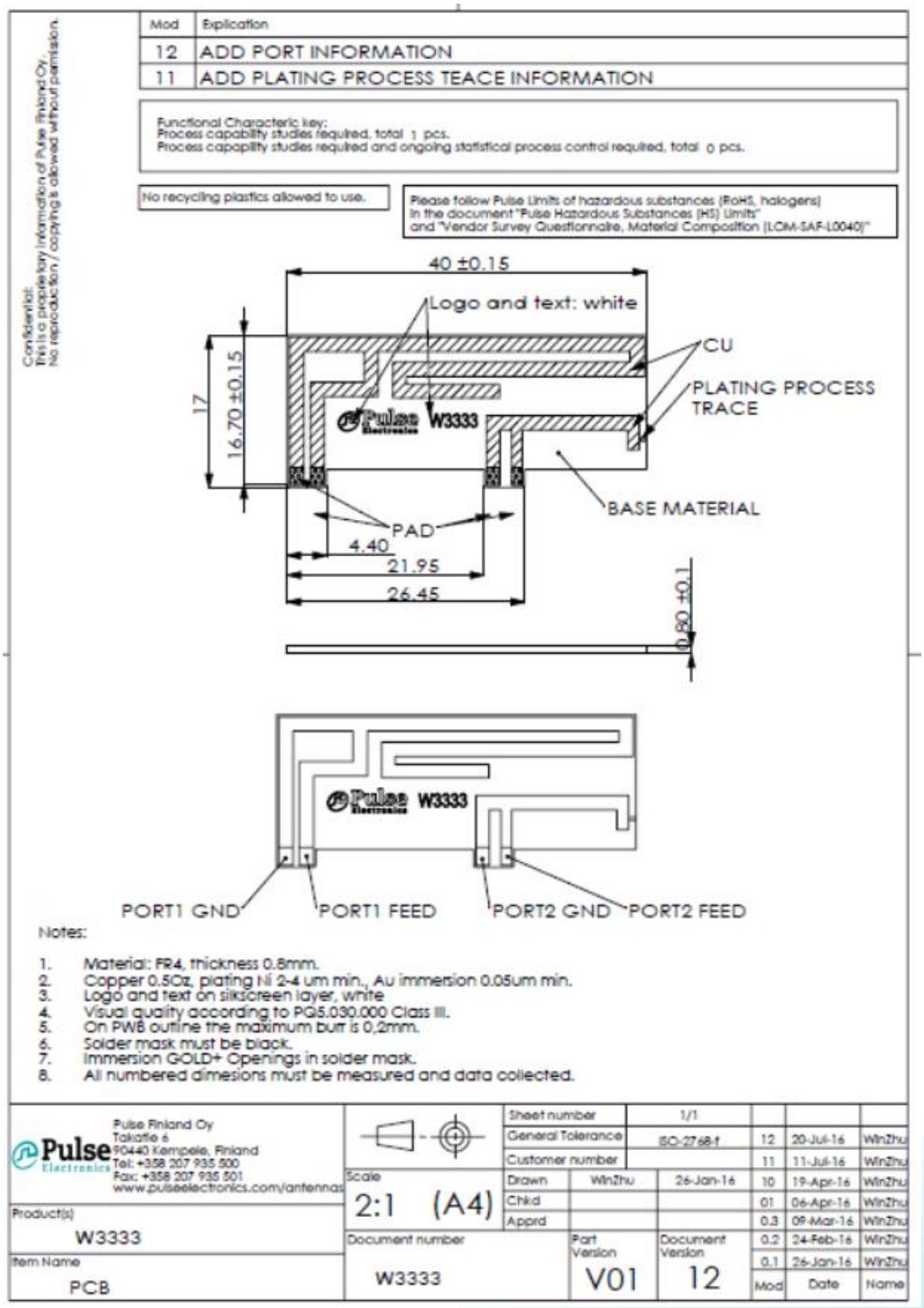
MECHANICAL DRAWING



Issue: 1615

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

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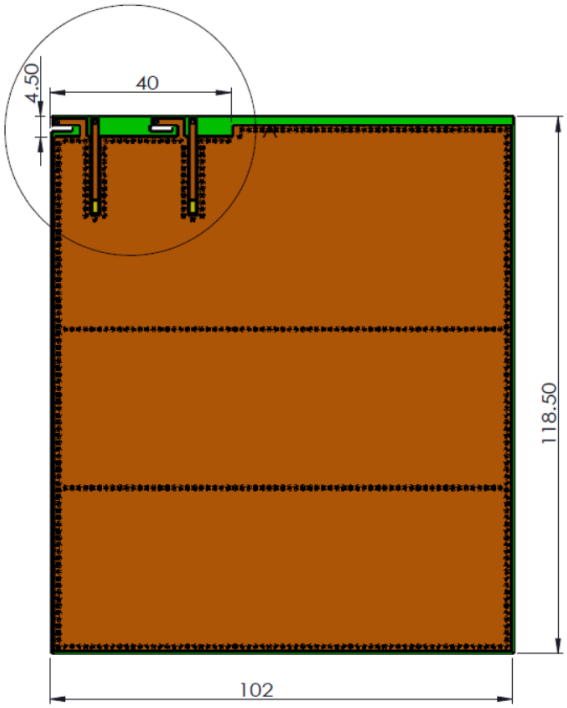
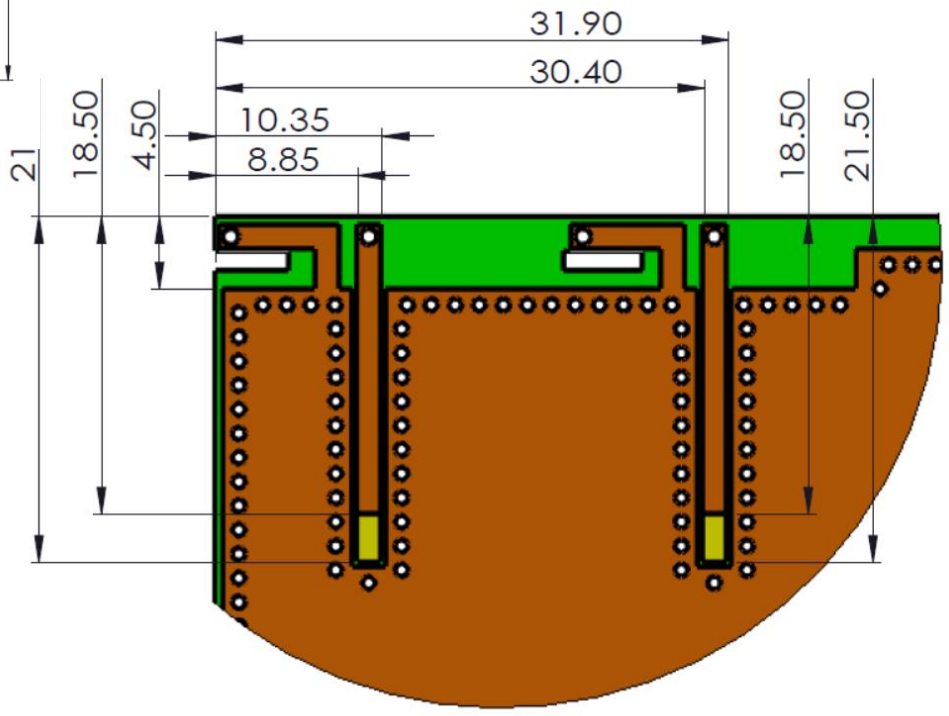
OTHER SPECIFICATIONS

Recommended PCB layout(Unit:mm)





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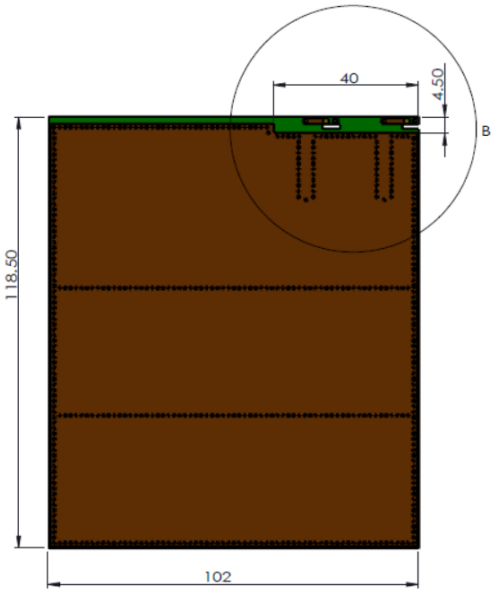
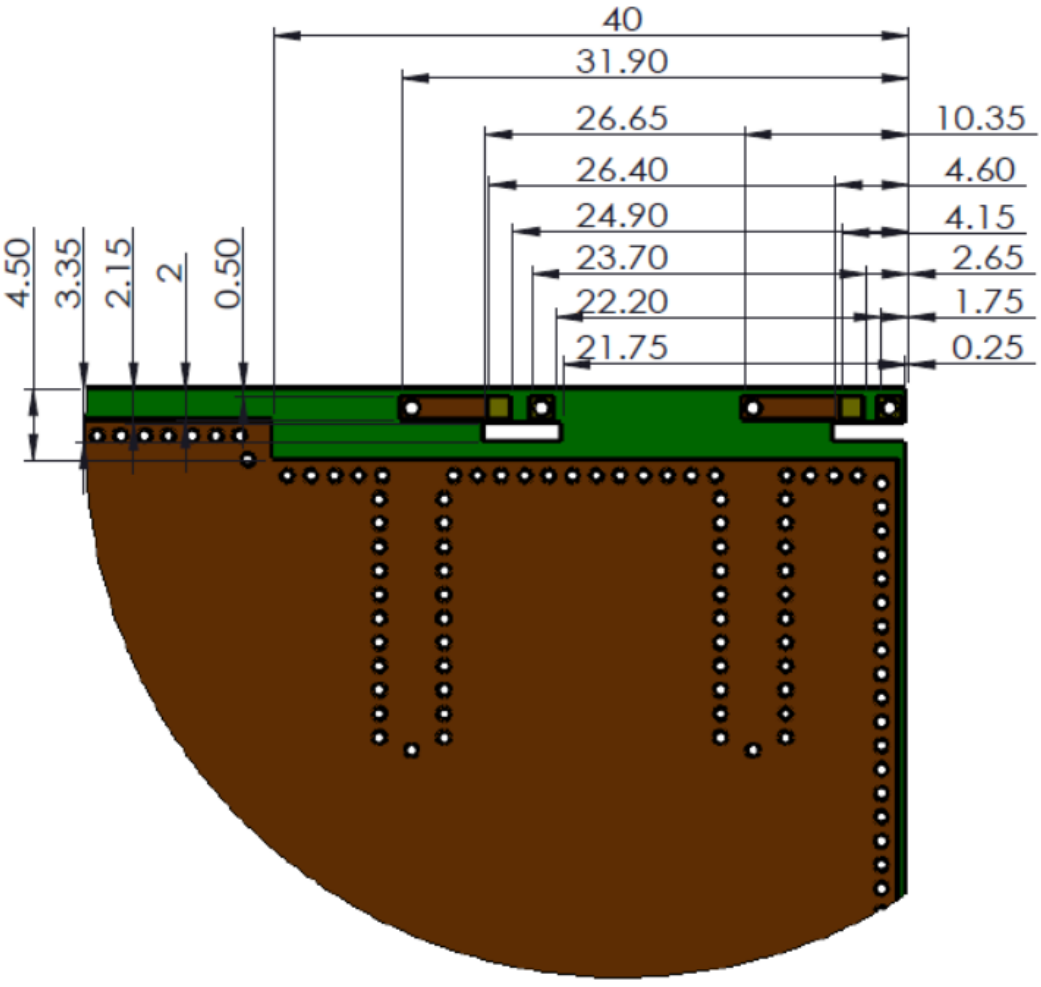
OTHER SPECIFICATIONS





RoHS COMPLIANT

Description: ISM868/915MHz, 2.4GHz Ant

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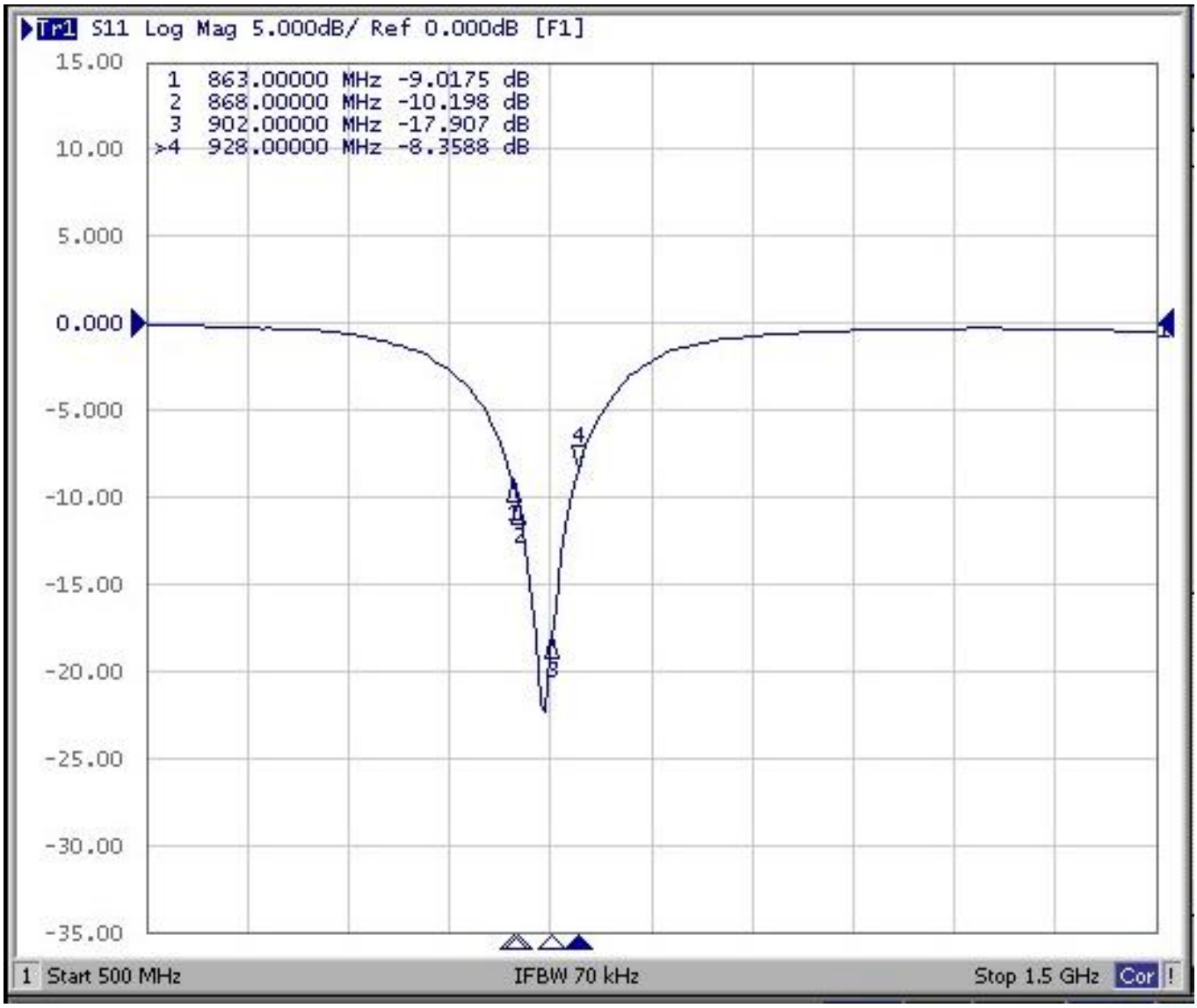
CHARTS

ISM868/915MHz Band Return Loss



RoHS COMPLIANT

Description: ISM868/915MHz, 2.4GHz Ant

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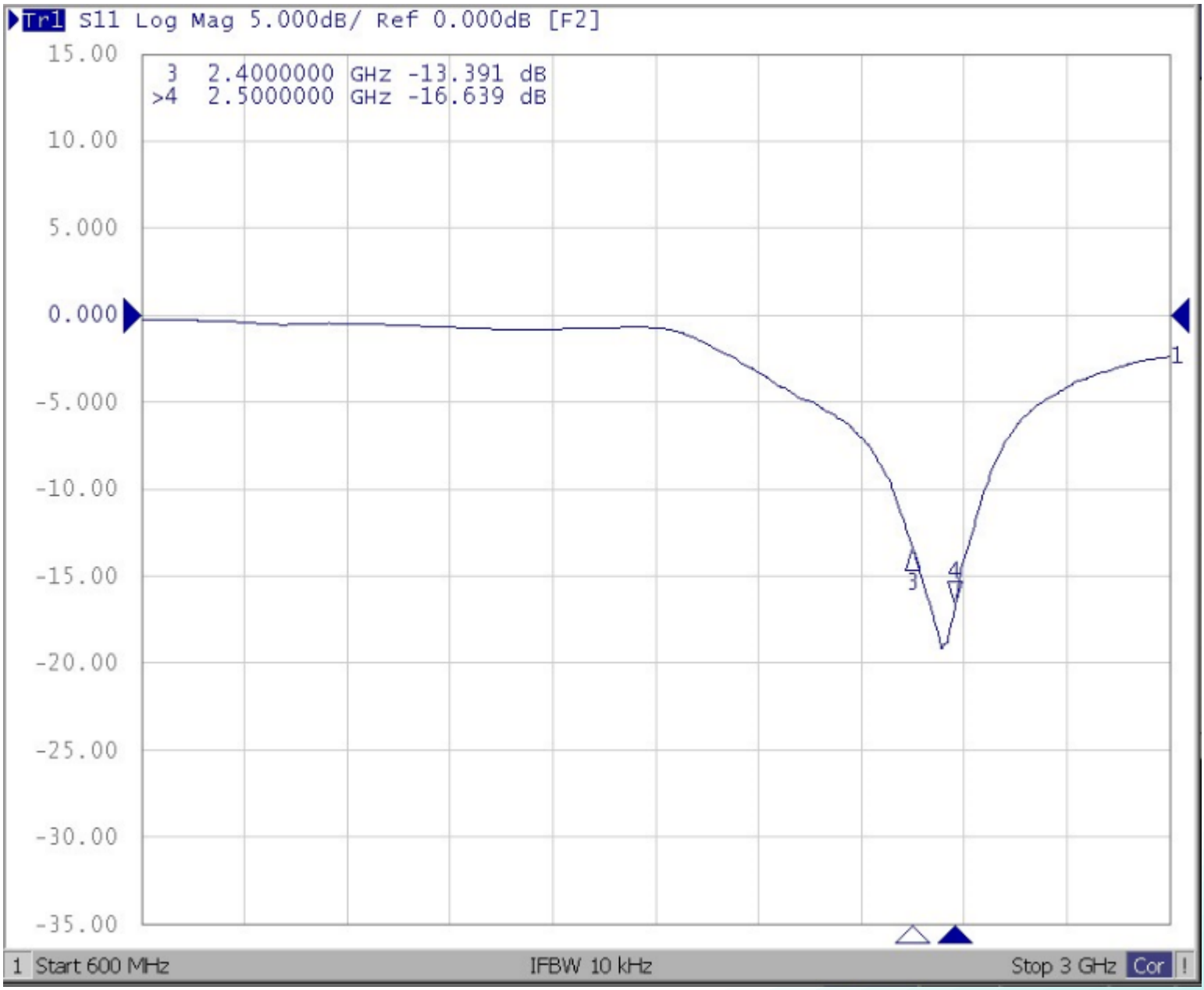
CHARTS

ISM2.4GHz Return Loss



Description: ISM868/915MHz, 2.4GHz Ant

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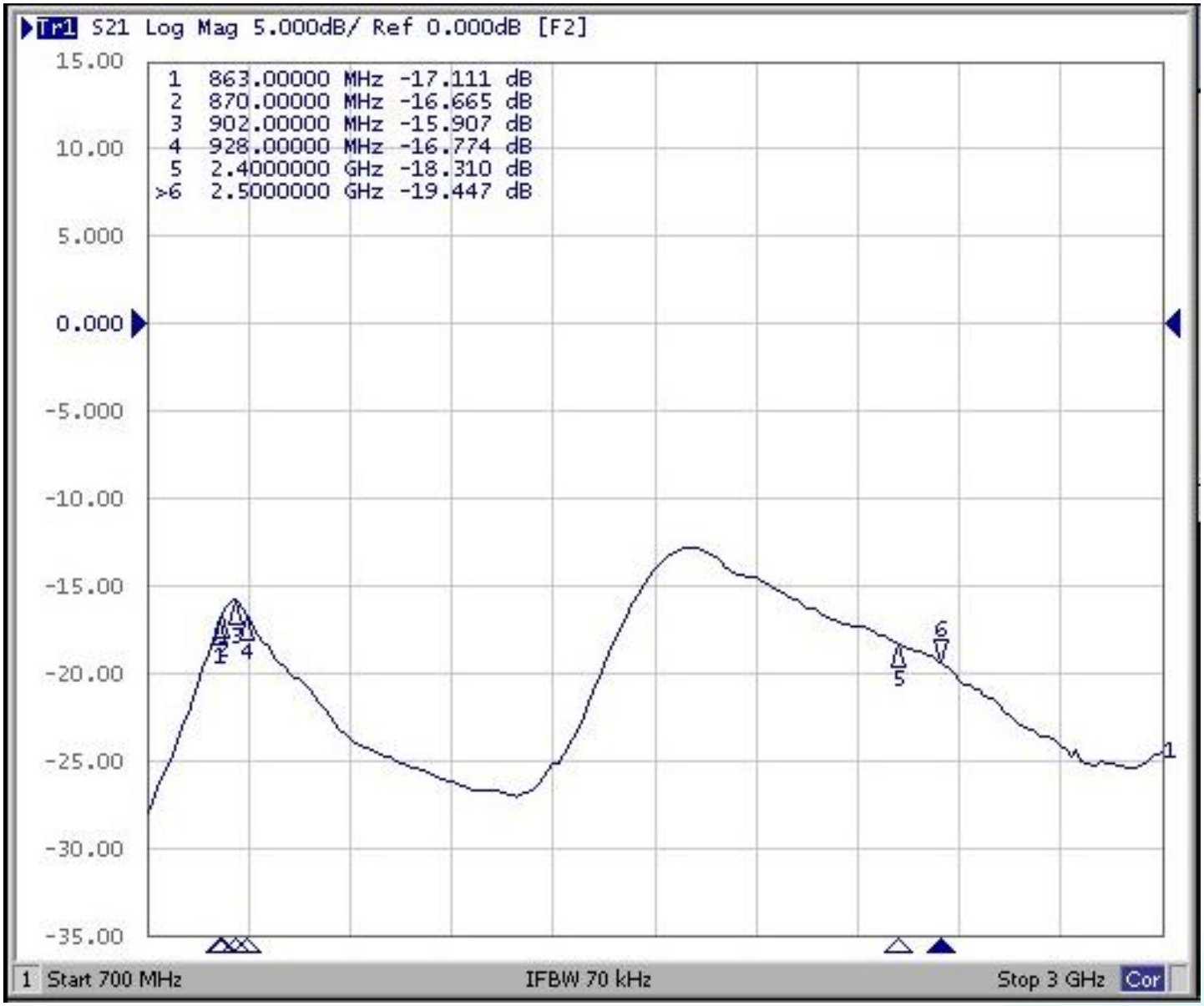
CHARTS

Isolation



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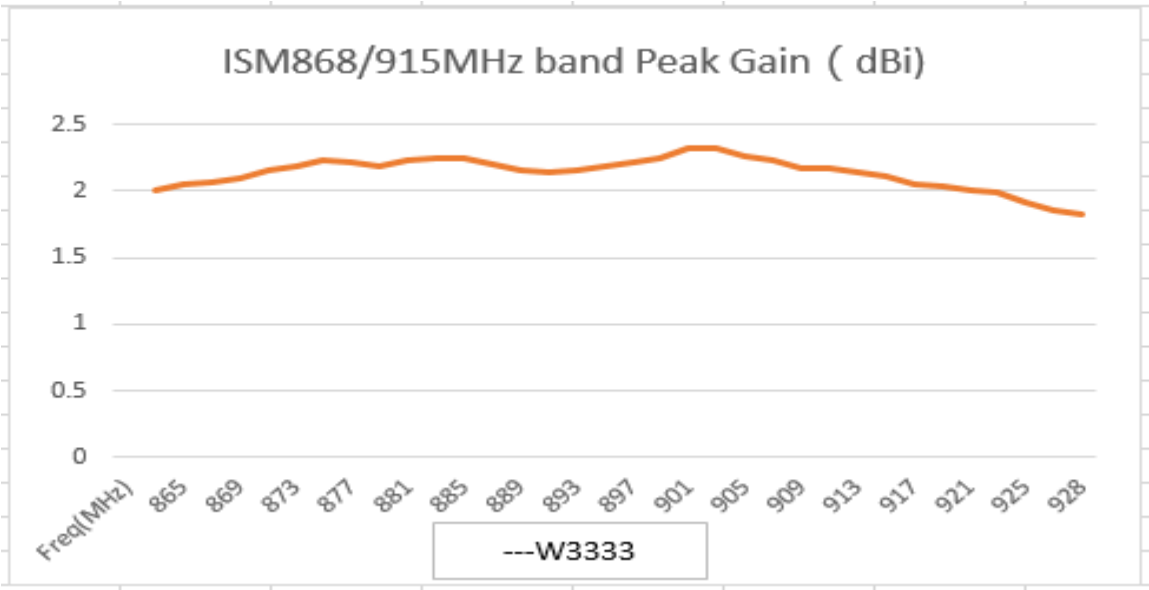
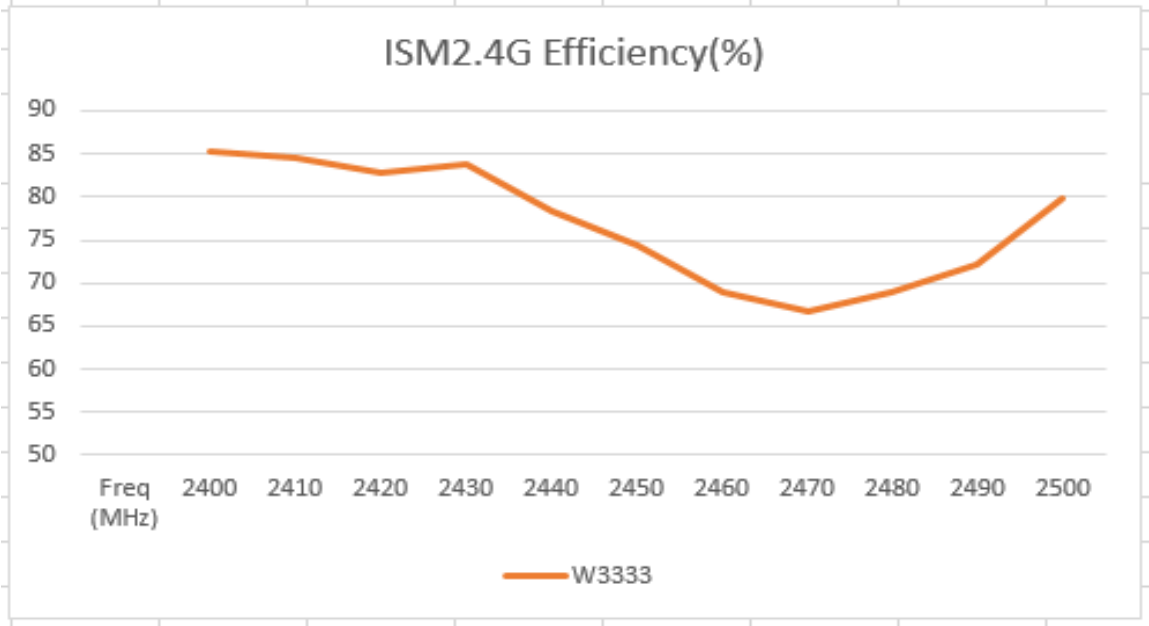
CHARTS

Efficiency(%)





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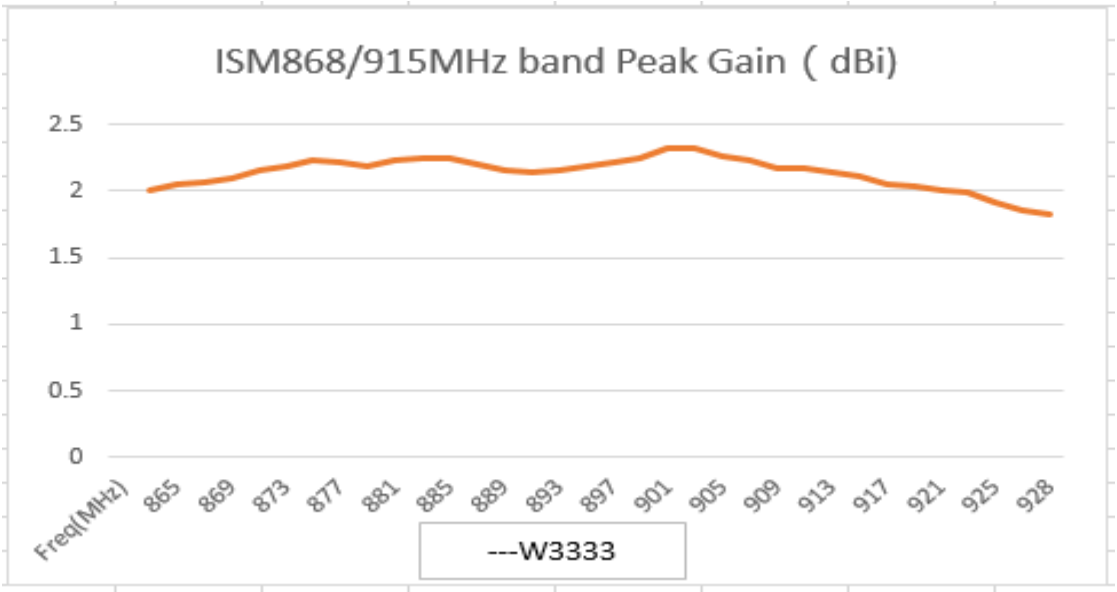
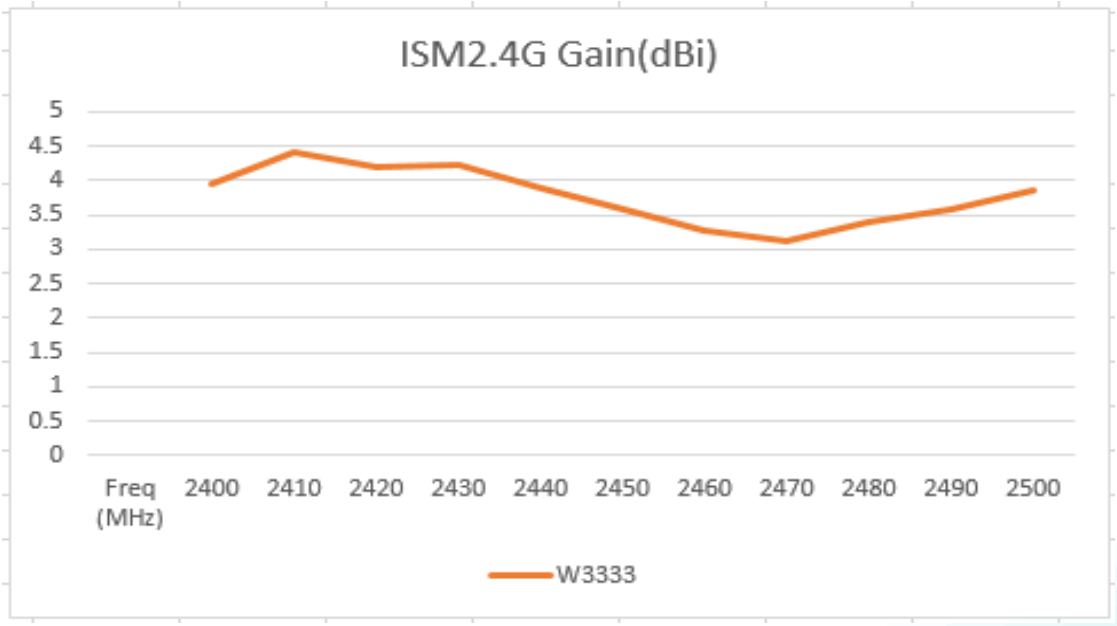
CHARTS

Peak Gain(dBi)





RoHS COMPLIANT

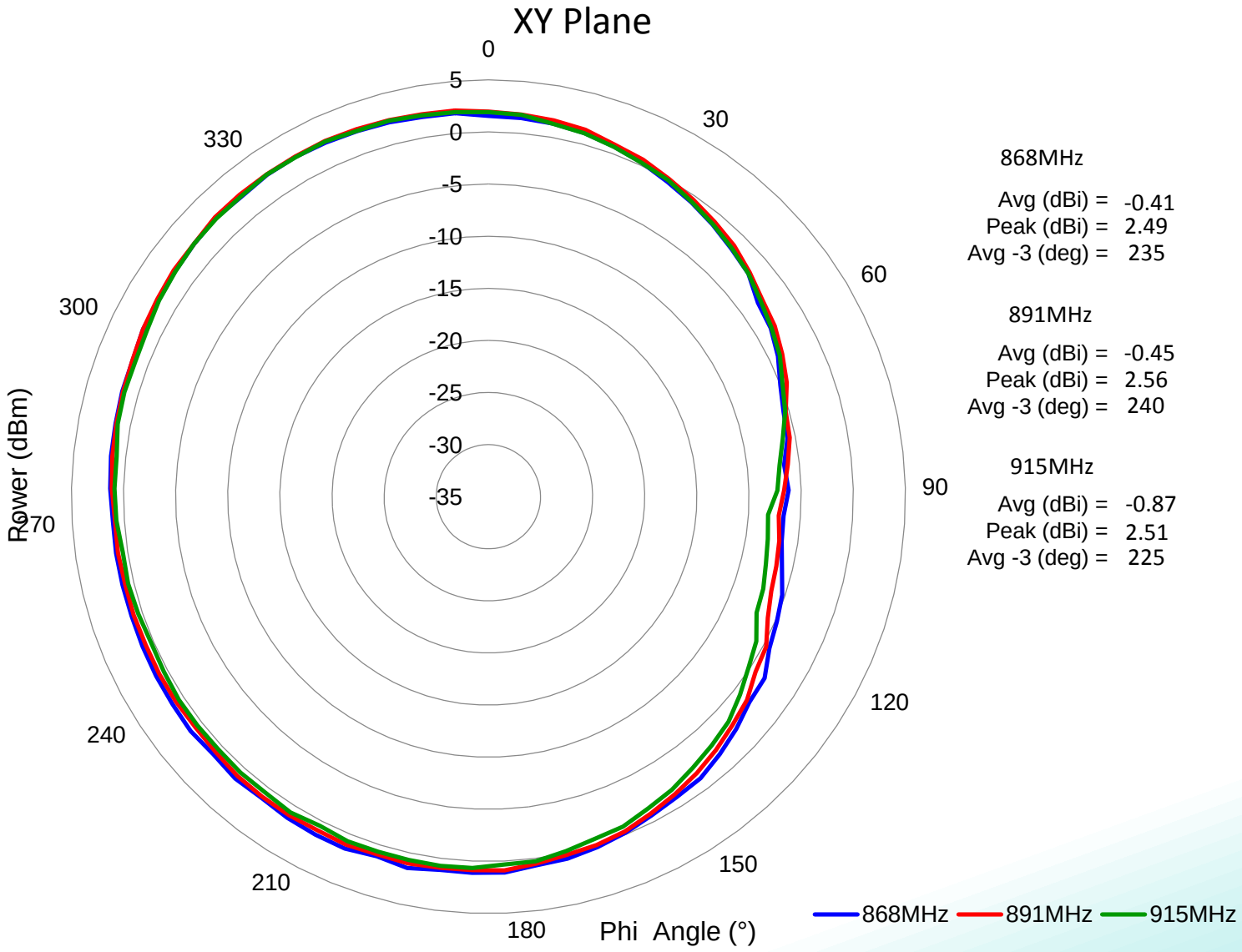
Description: ISM868/915MHz, 2.4GHz Ant

Series: PCB Embedded

PART NUMBER: W3333

CHARTS

Typical free space radiation pattern
ISM868/915MHz
X-Y plane



RoHS COMPLIANT

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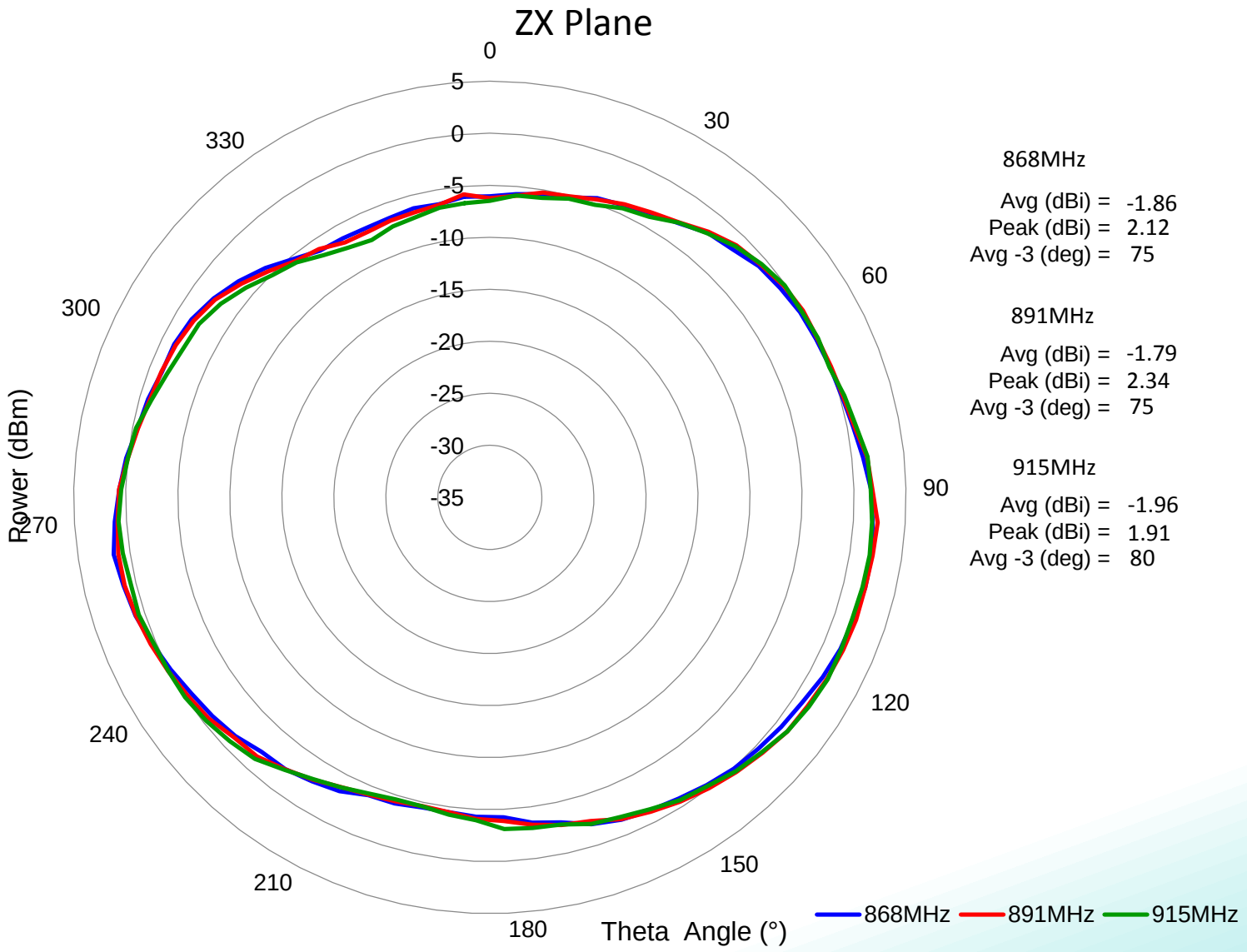
CHARTS

Typical free space radiation pattern
ISM868/915MHz
Z-X plane



RoHS COMPLIANT

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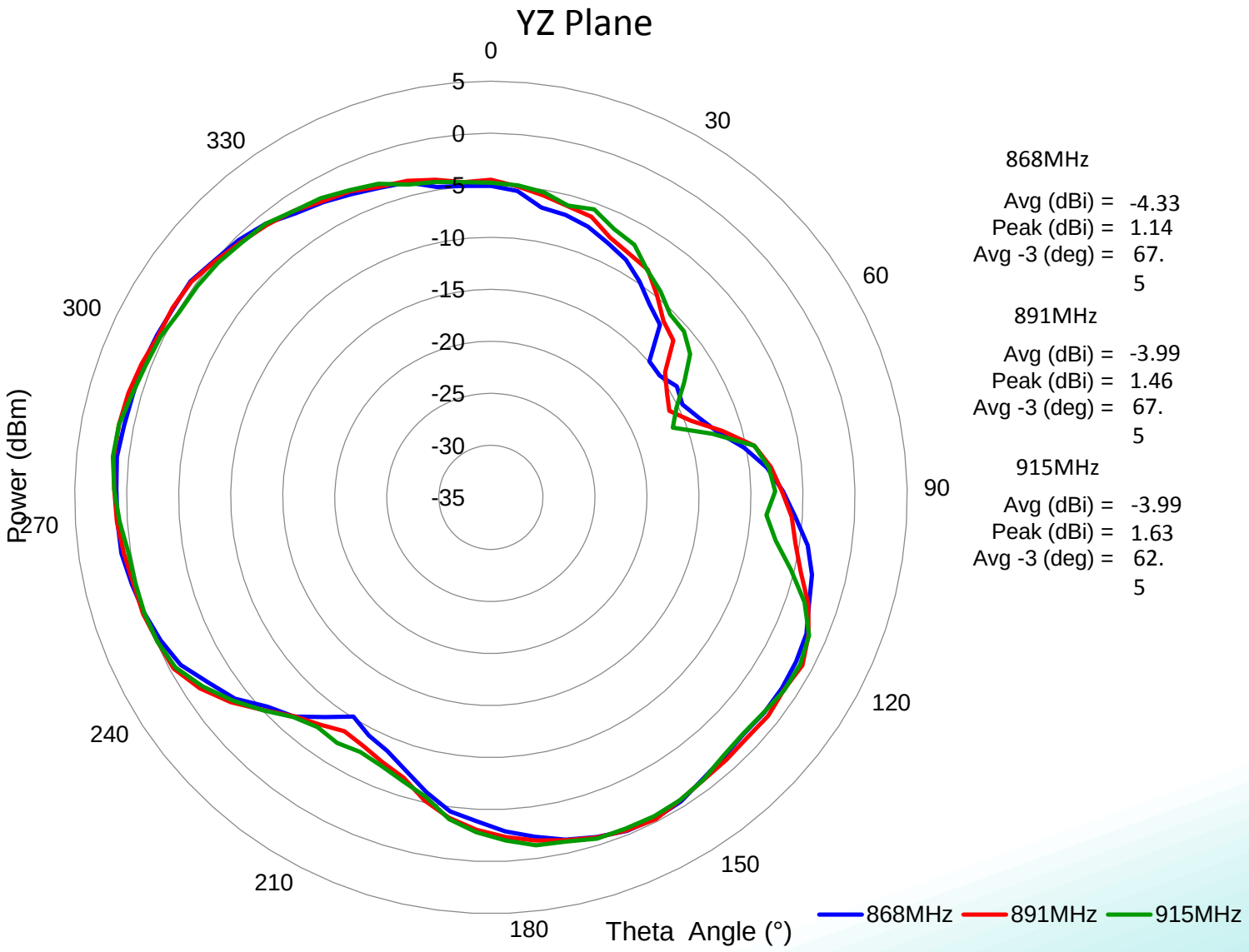
CHARTS

Typical free space radiation pattern
ISM868/915MHz
Z-Y plane



RoHS COMPLIANT

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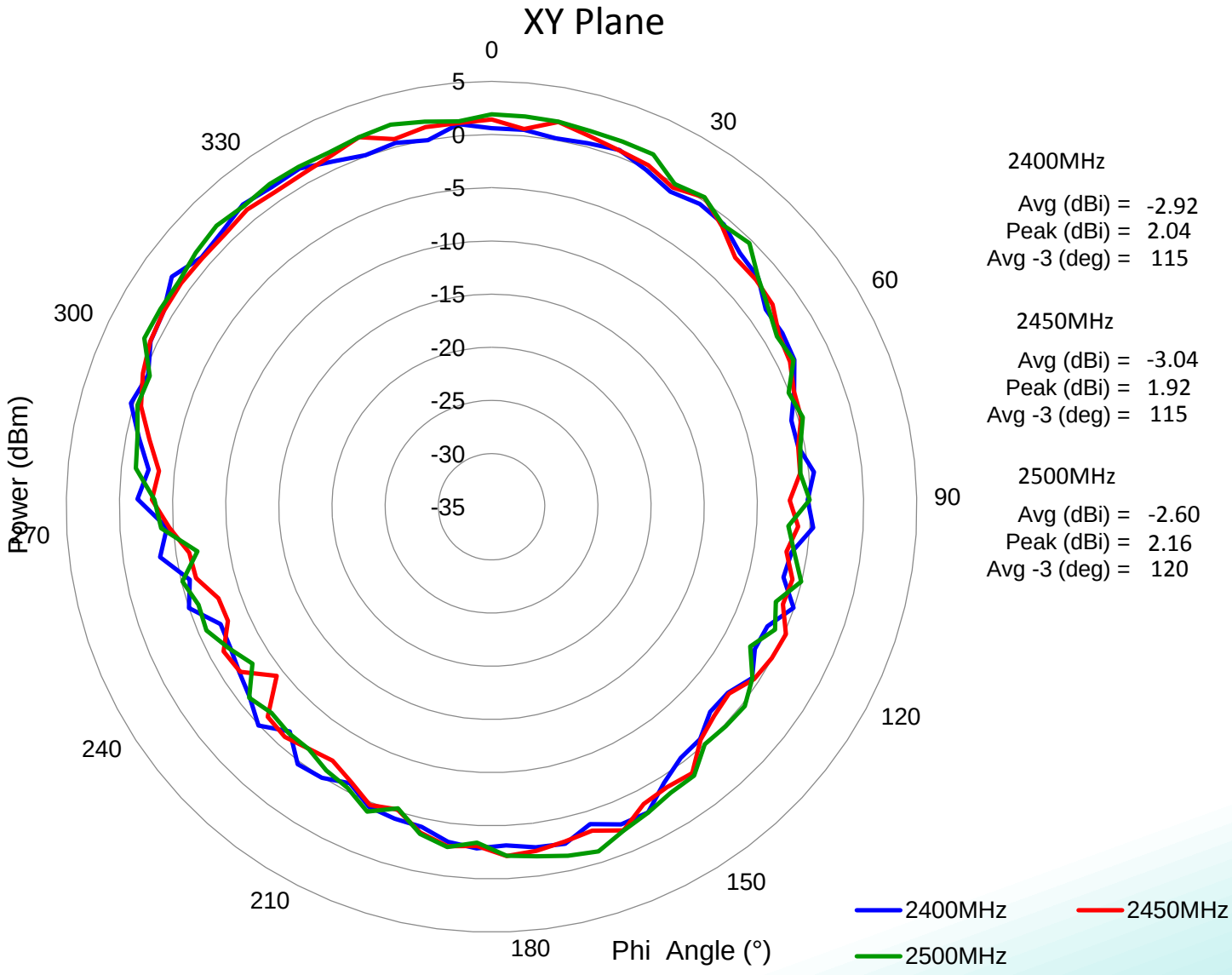
CHARTS

Typical free space radiation pattern
ISM2.4GHz
X-Y plane



2400MHz

Avg (dBi) = -2.92
Peak (dBi) = 2.04
Avg -3 (deg) = 115

2450MHz

Avg (dBi) = -3.04
Peak (dBi) = 1.92
Avg -3 (deg) = 115

2500MHz

Avg (dBi) = -2.60
Peak (dBi) = 2.16
Avg -3 (deg) = 120

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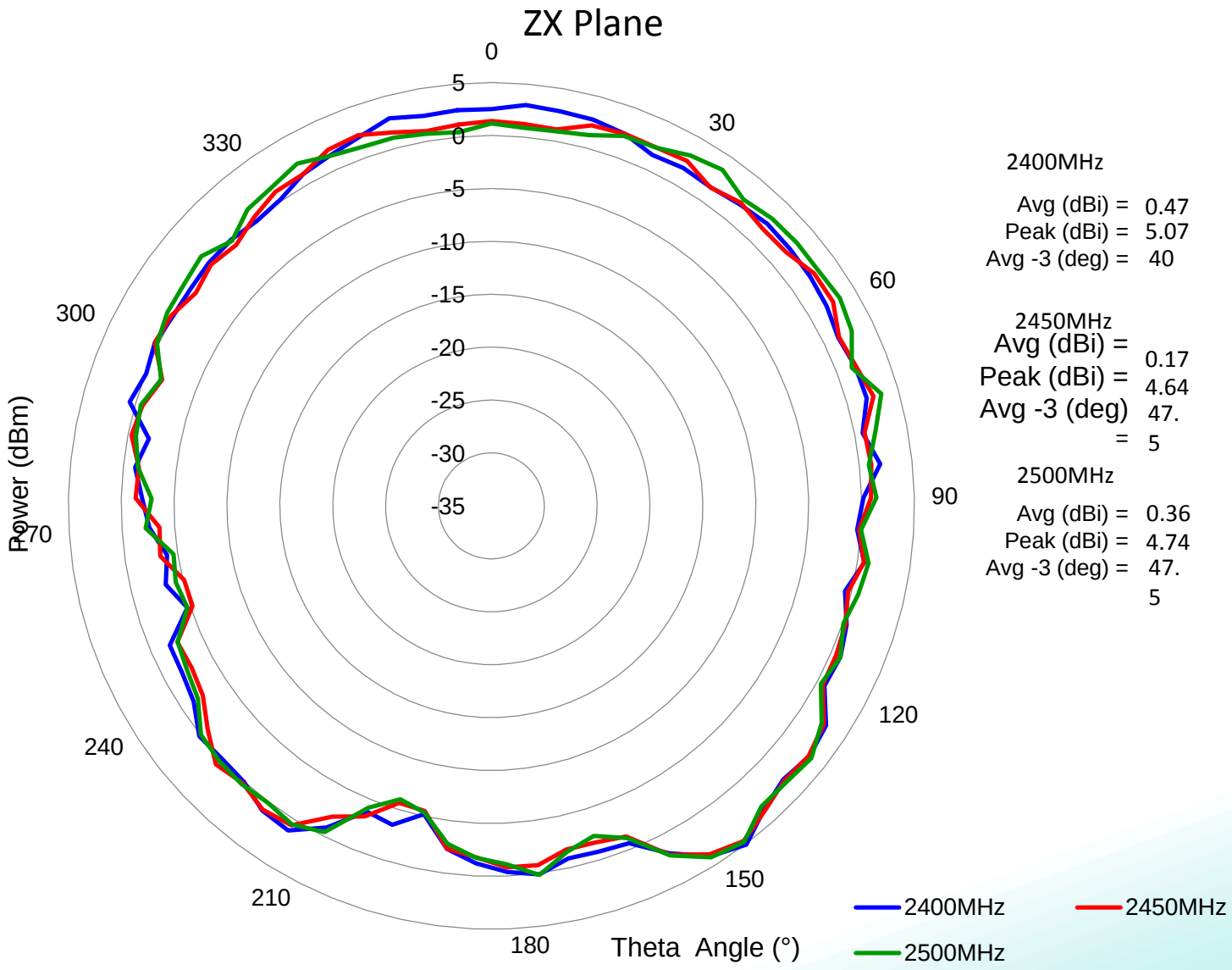
CHARTS

Typical free space radiation pattern
ISM2.4GHz
Z-X plane



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CHARTS

Typical free space radiation pattern
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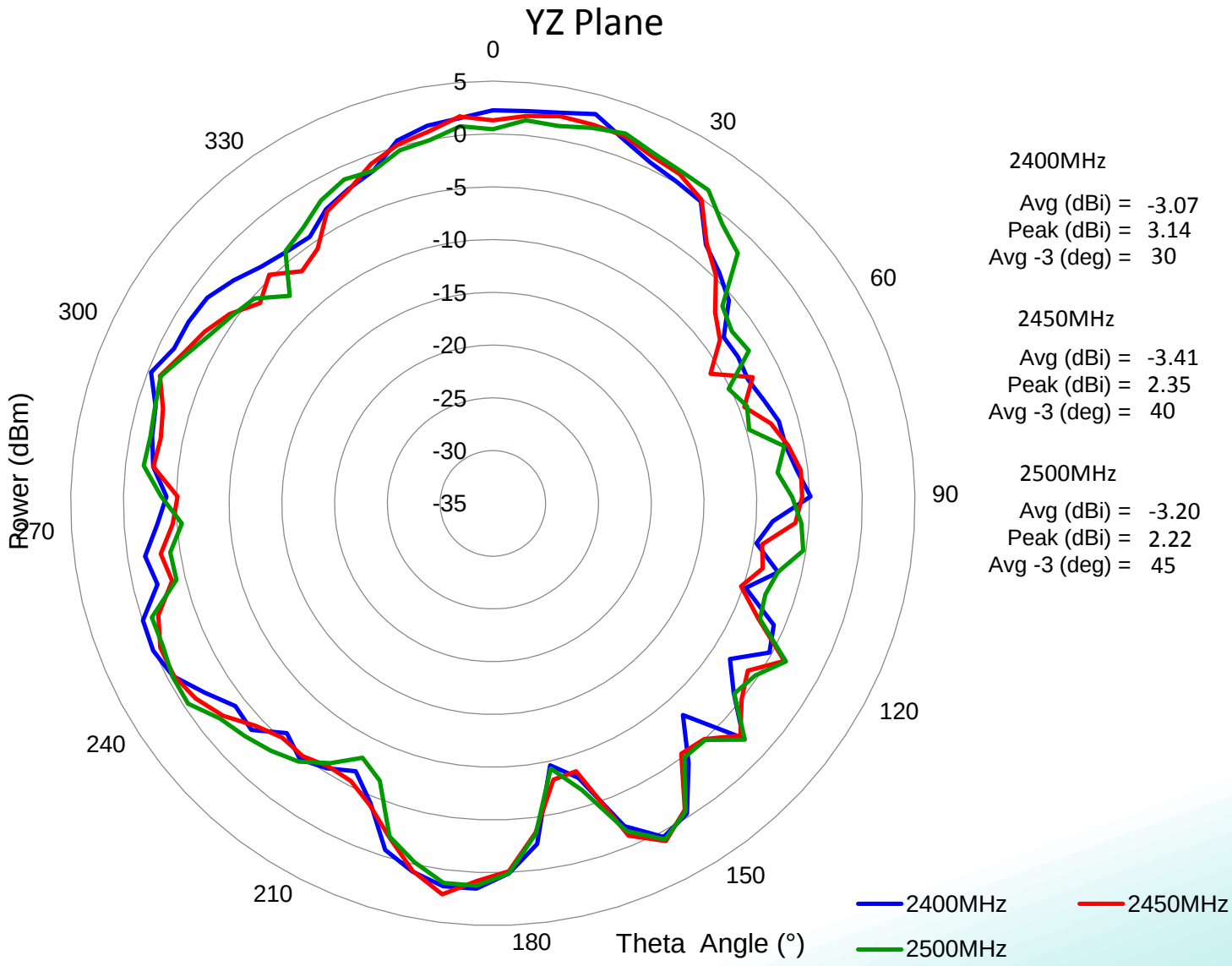
Z-Y plane



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PACKAGING

10PCS/PE bag
1000PCS/box

RoHS COMPLIANT

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

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