

Description: ISM868/915MHz, 2.4GHz Ant

Series: PCB Embedded

PART NUMBER: W3333

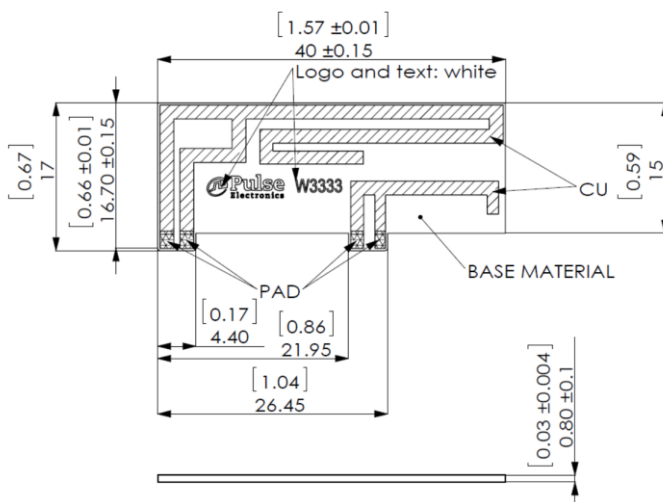


Features:

- 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

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For more information:

Pulse Worldwide Headquarters
12220 World Trade Drive
San Diego, CA 92128
USA
Tel: 1-858-674-8100

Pulse/Larsen Antennas
3611 NE 112th Ave
Vancouver, WA 98682
USA
Tel: 1-360-944-7551

Europe Headquarters
Pulse GmbH & Co, KG
Zeppelinstrasse 15
Herrenberg, Germany
Tel: 49 7032 7806 0

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



Description: ISM868/915MHz, 2.4GHz Ant**Series:** PCB Embedded**PART NUMBER:** W3333**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

Description: ISM868/915MHz, 2.4GHz Ant**Series:** PCB Embedded**PART NUMBER:** W3333**MECHANICAL SPECIFICATIONS**

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

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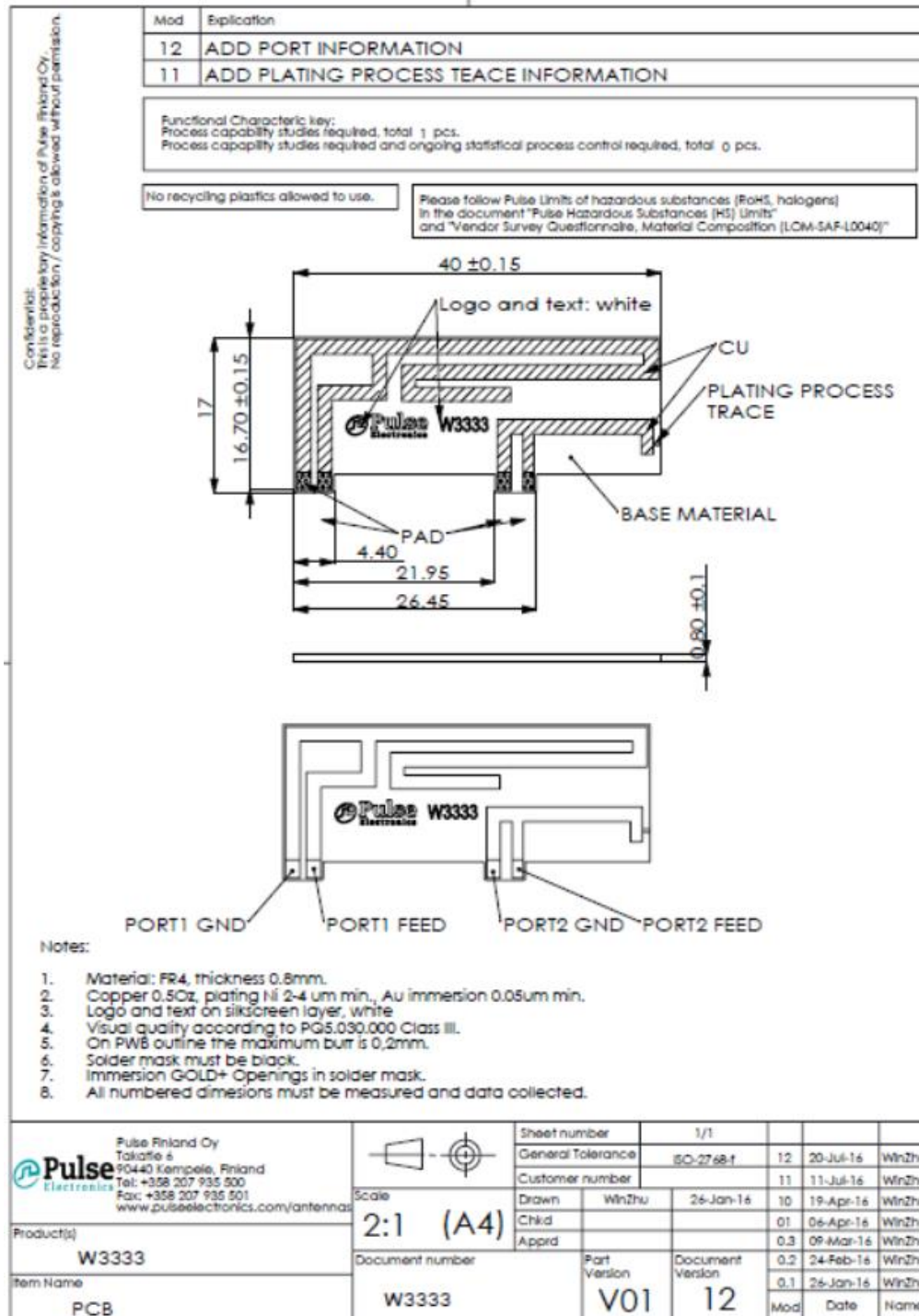
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MECHANICAL DRAWING



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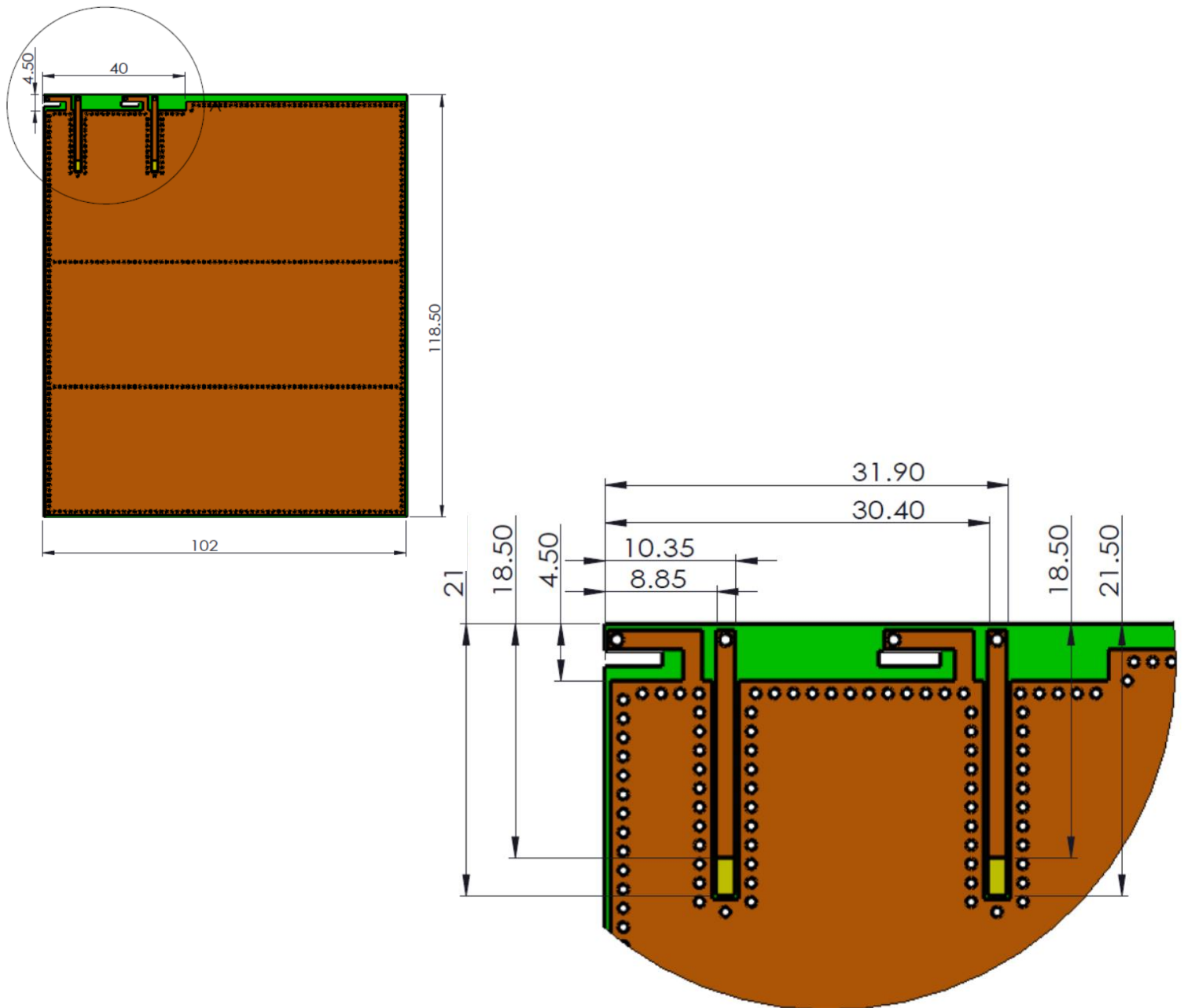
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OTHER SPECIFICATIONS

Recommended PCB layout(Unit:mm)



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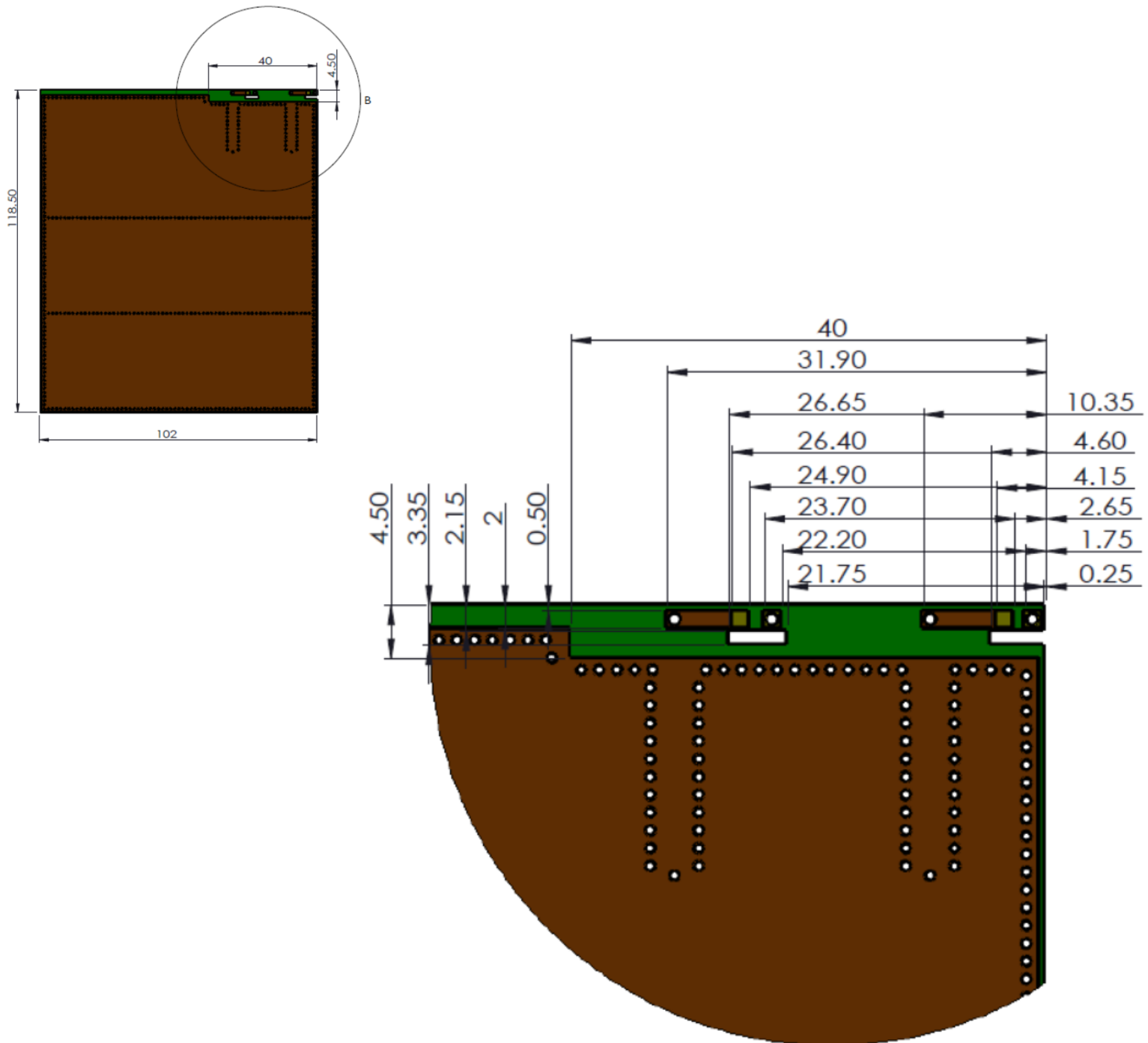
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OTHER SPECIFICATIONS



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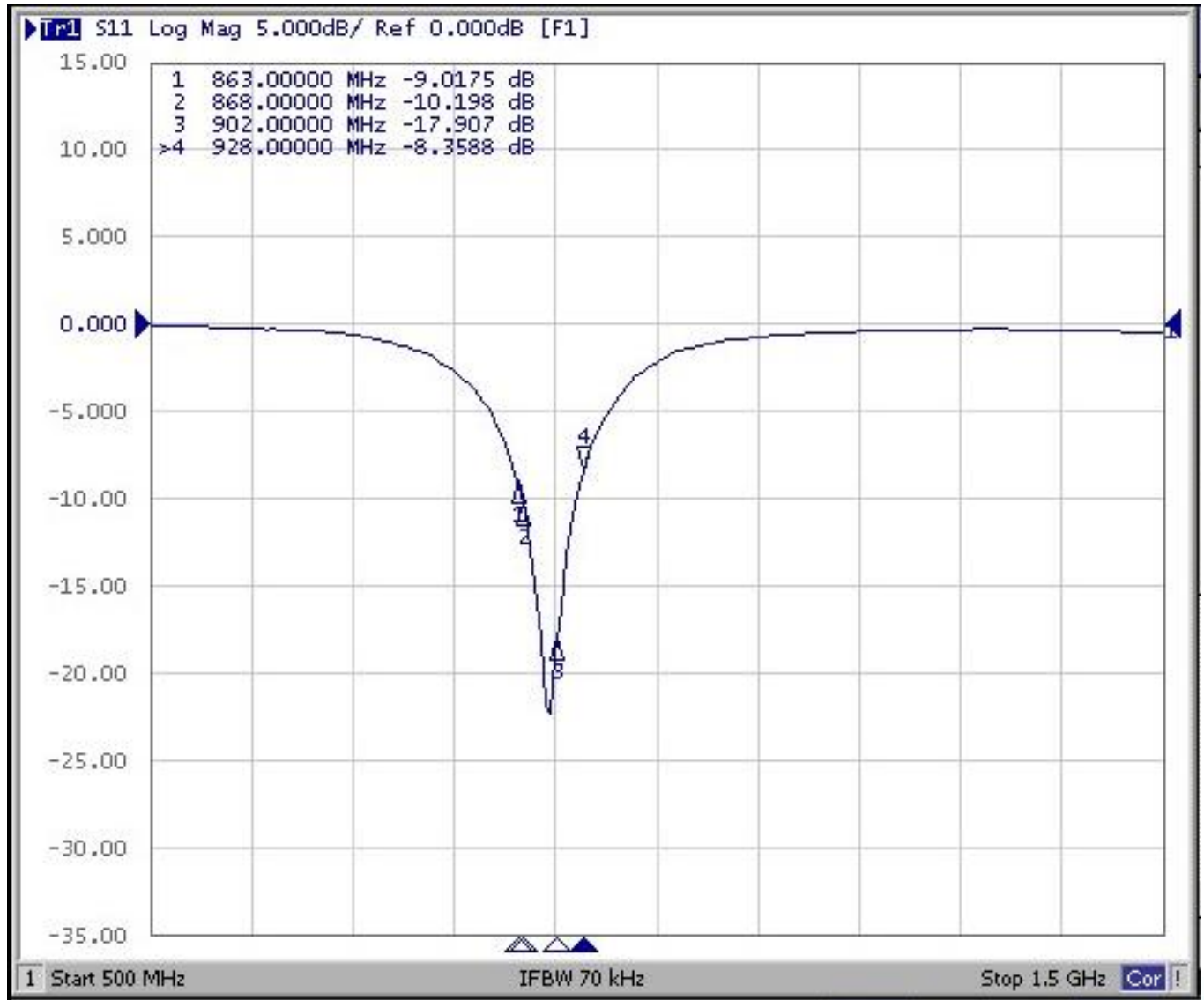
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CHARTS

ISM868/915MHz Band Return Loss



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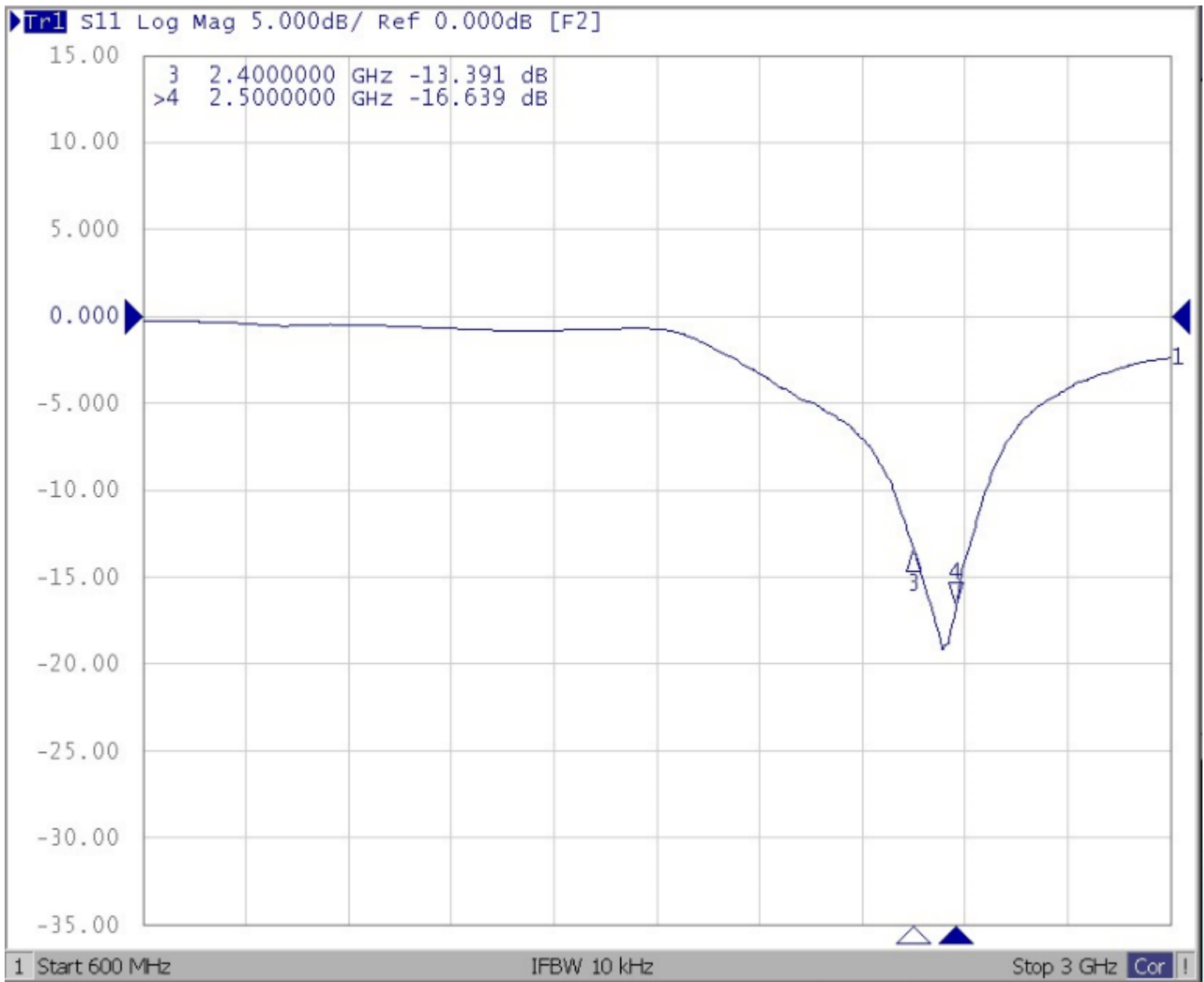
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CHARTS

ISM2.4GHz Return Loss



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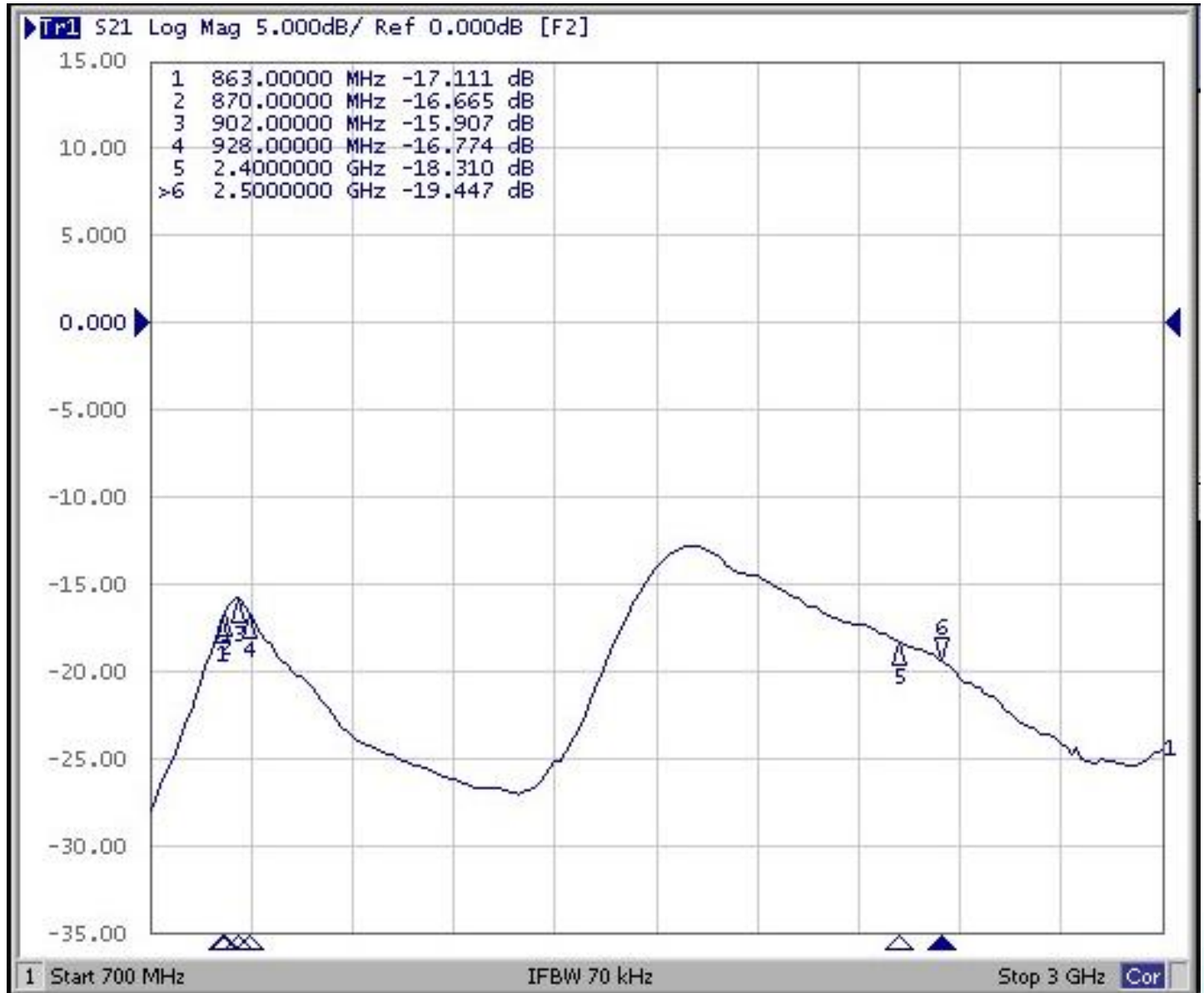
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CHARTS

Isolation



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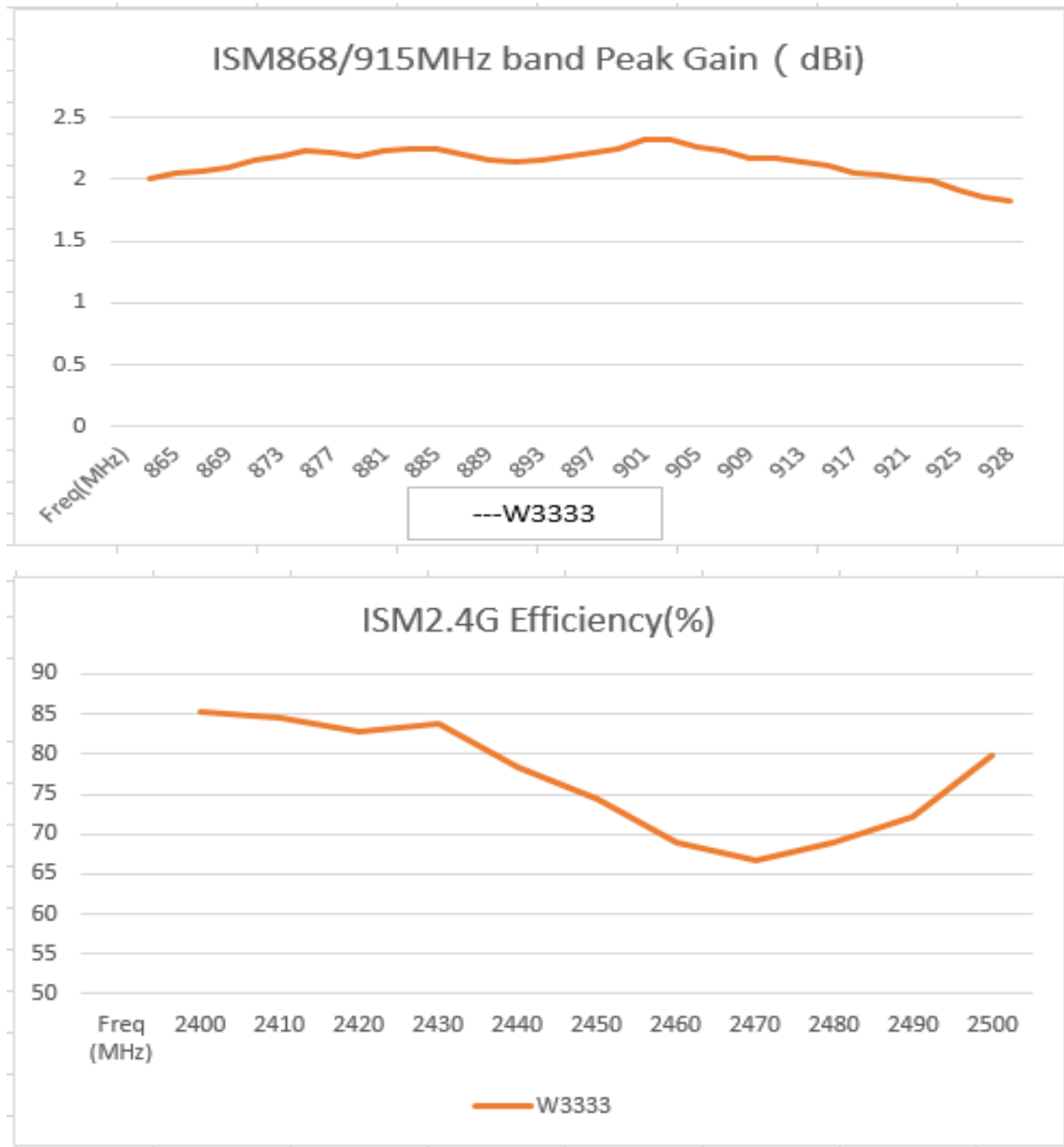
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CHARTS

Efficiency(%)



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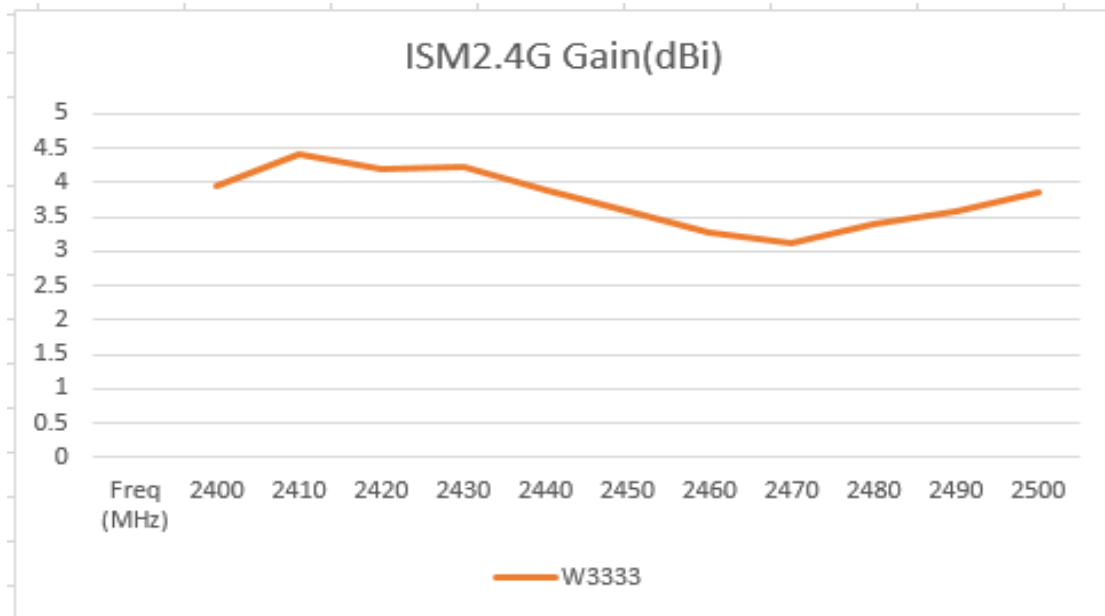
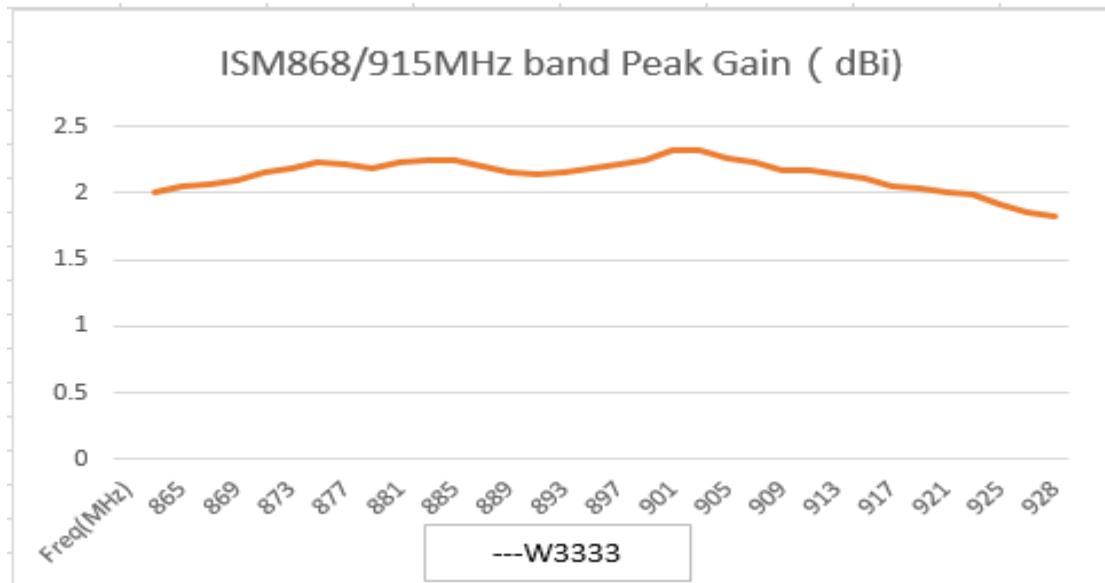
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CHARTS

Peak Gain(dBi)



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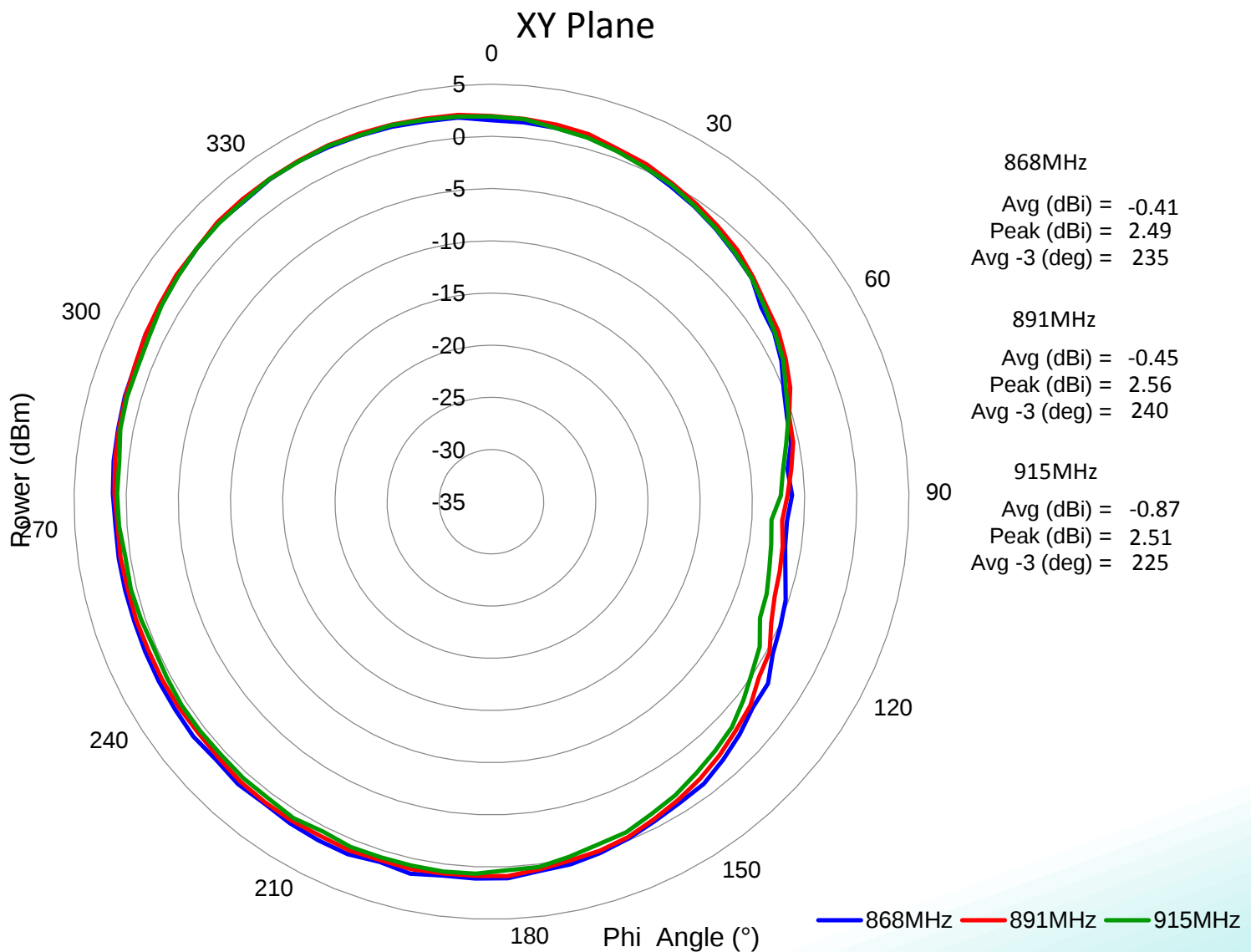
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CHARTS

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



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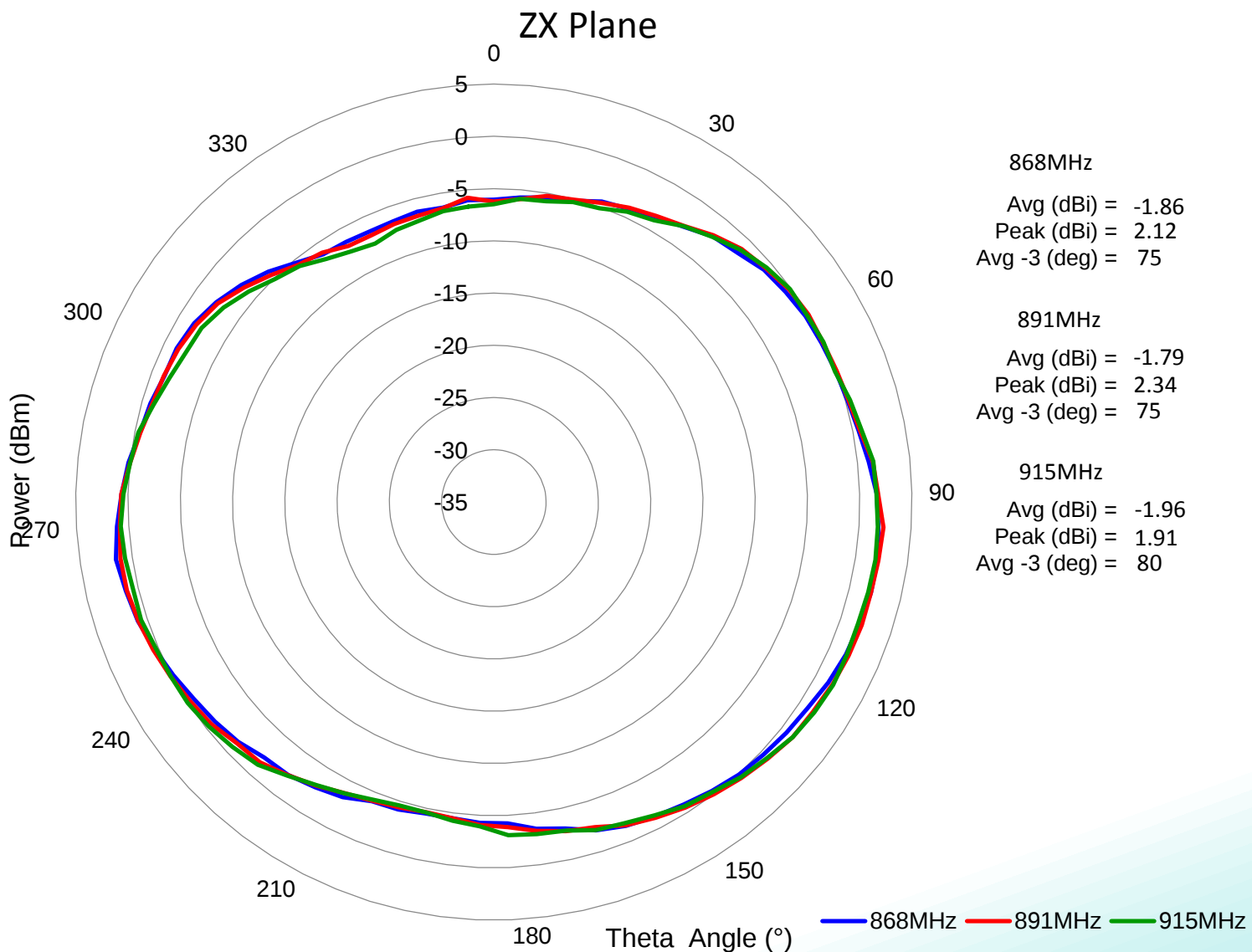
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CHARTS

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



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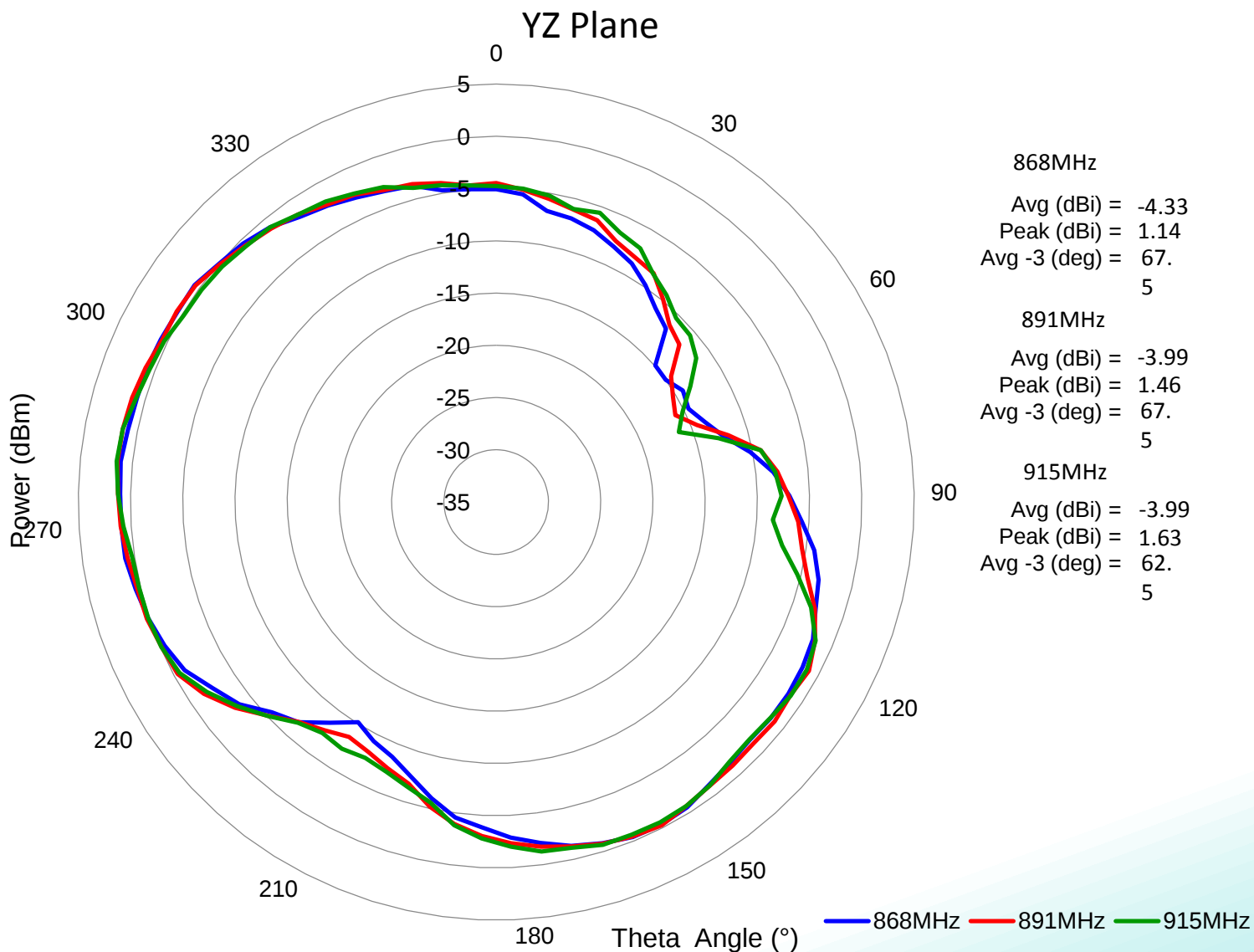
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CHARTS

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



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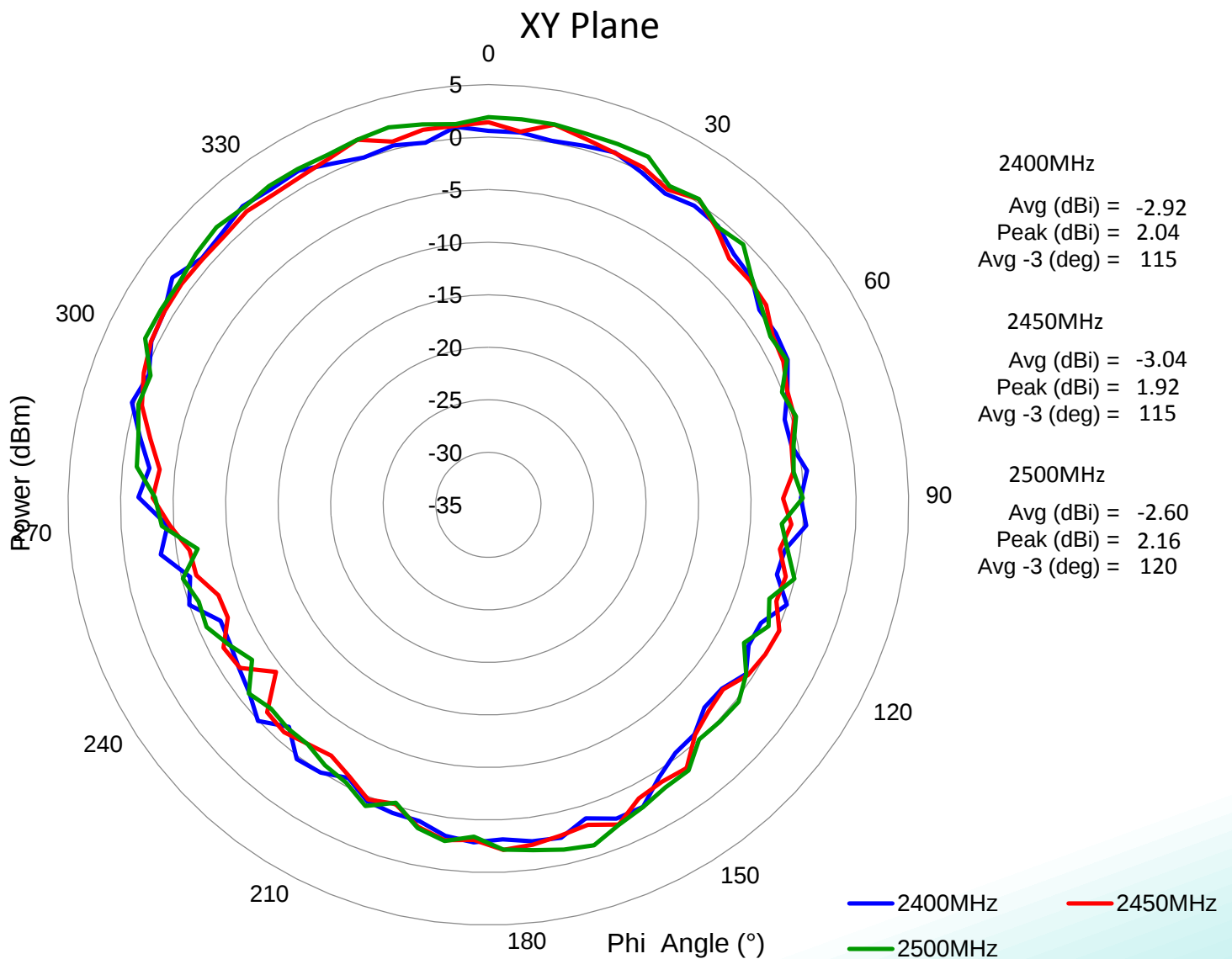
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CHARTS

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



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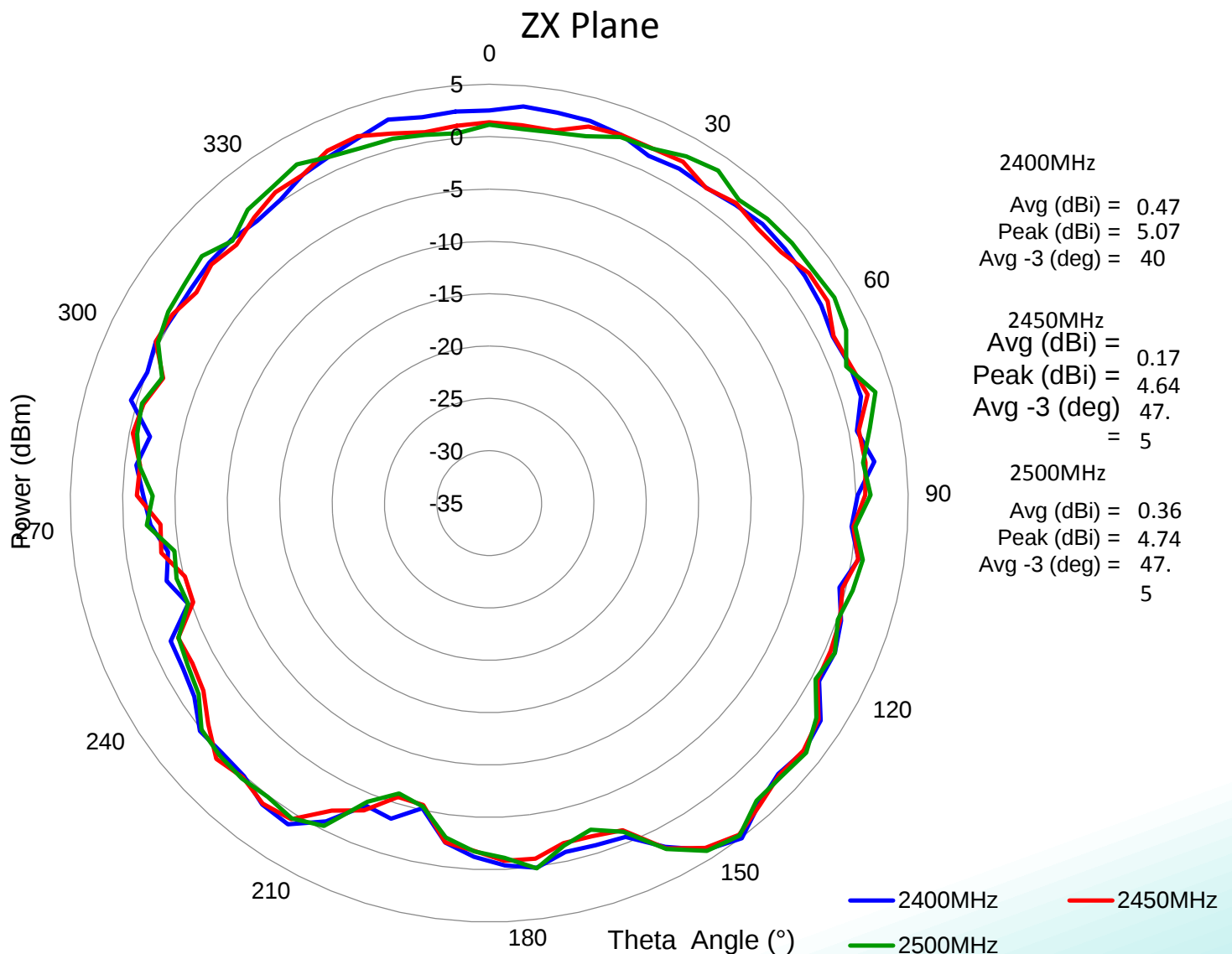
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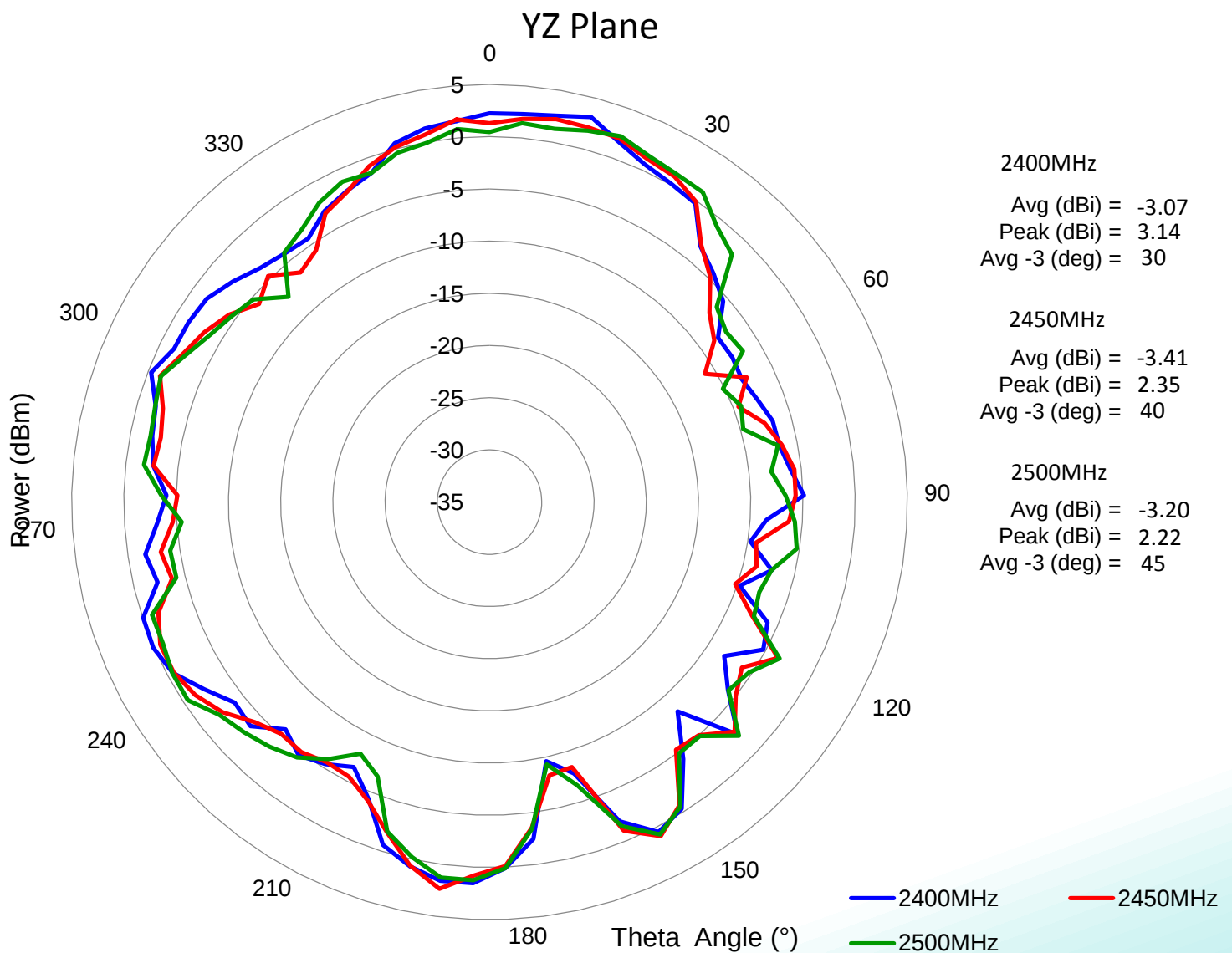
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PACKAGING

10PCS/PE bag

1000PCS/box