

Description: ISM868/915MHz, 2.4GHz Ant

Series: PCB Embedded

PART NUMBER: W3333

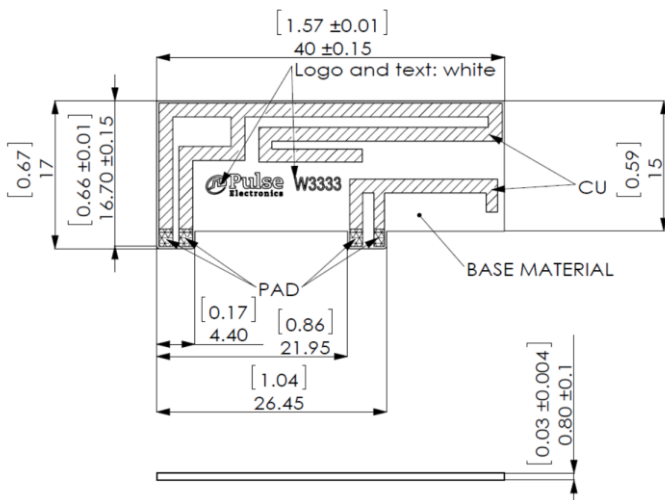


**Features:**

- 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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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

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**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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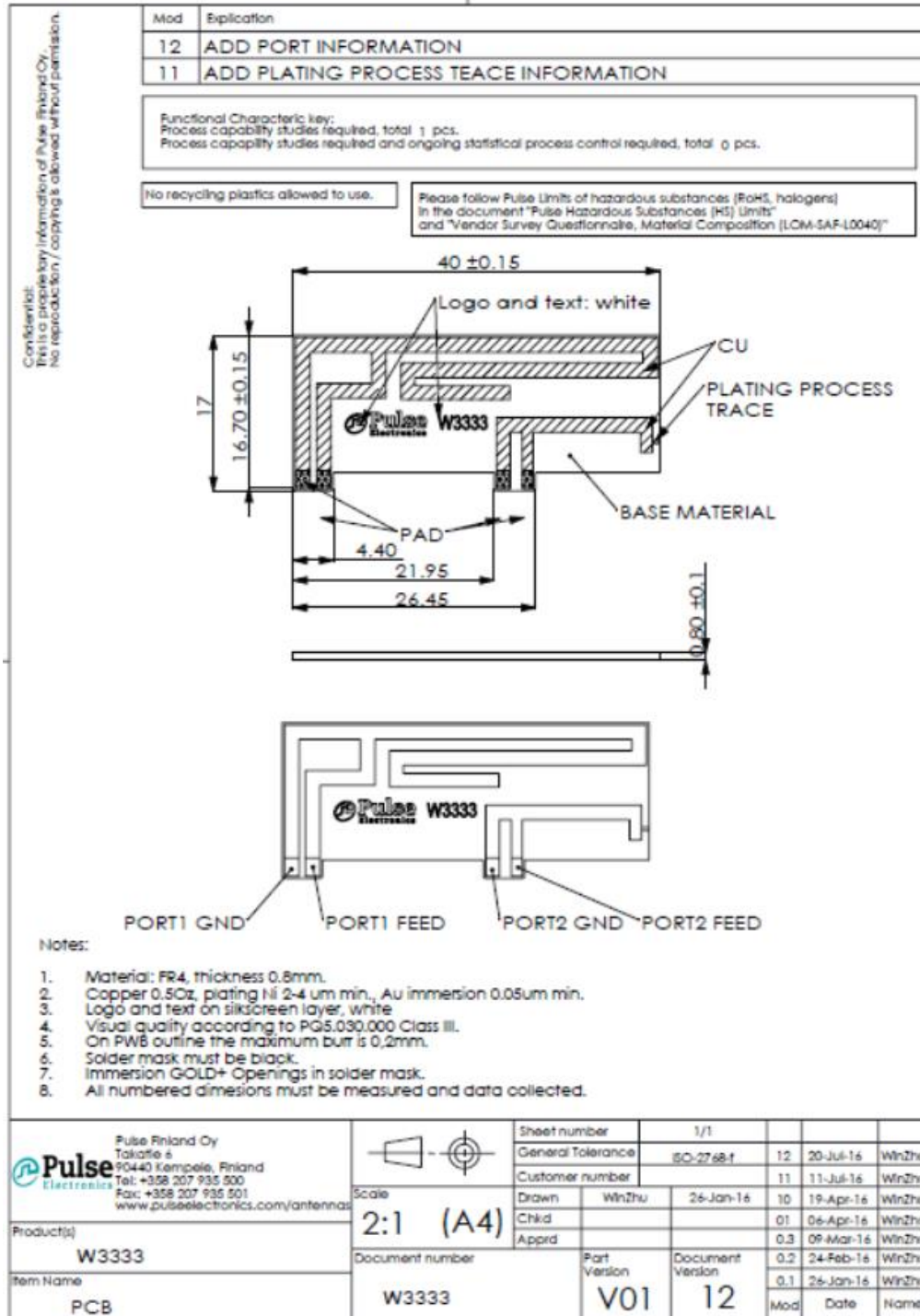
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MECHANICAL DRAWING



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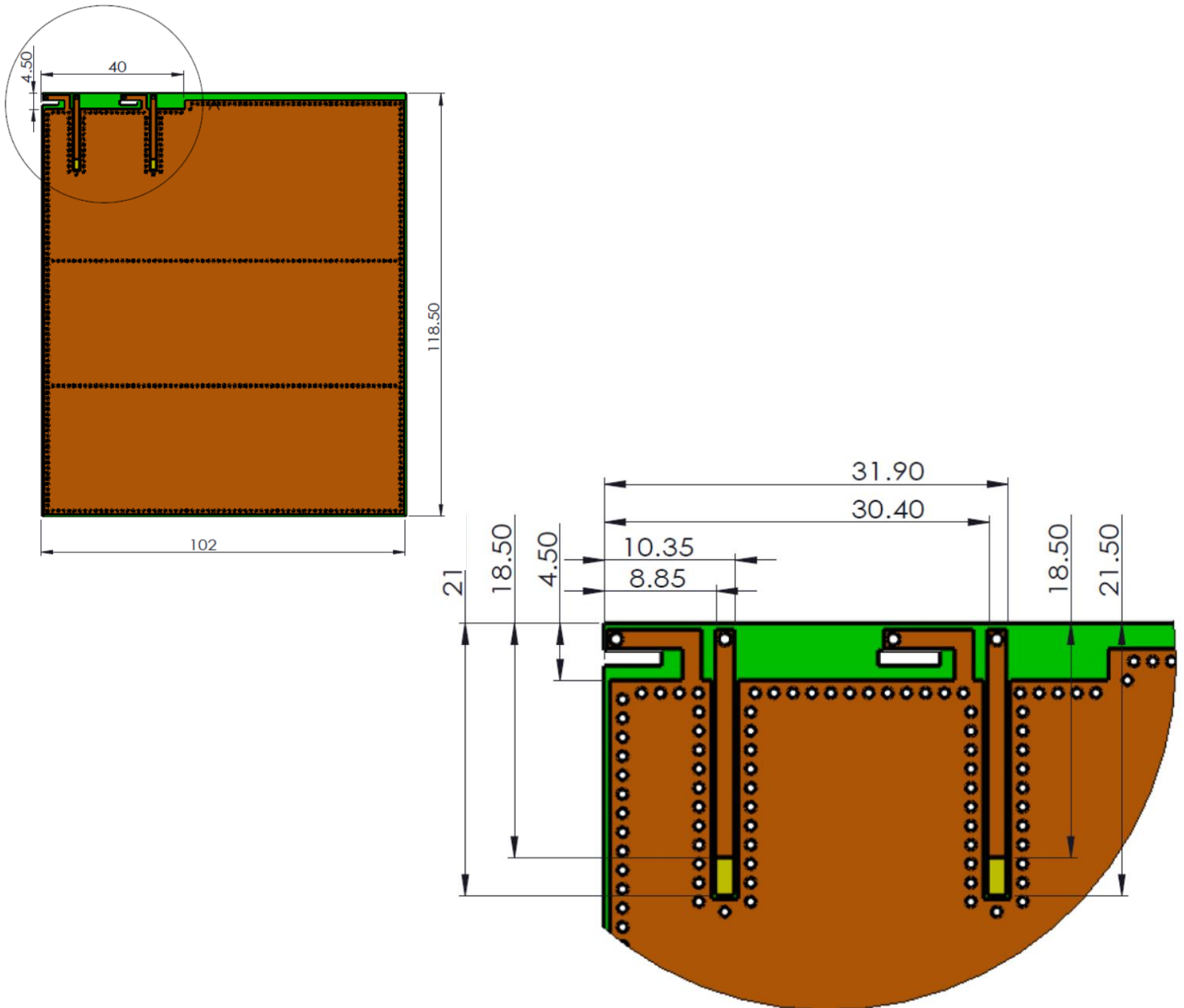
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OTHER SPECIFICATIONS

Recommended PCB layout(Unit:mm)



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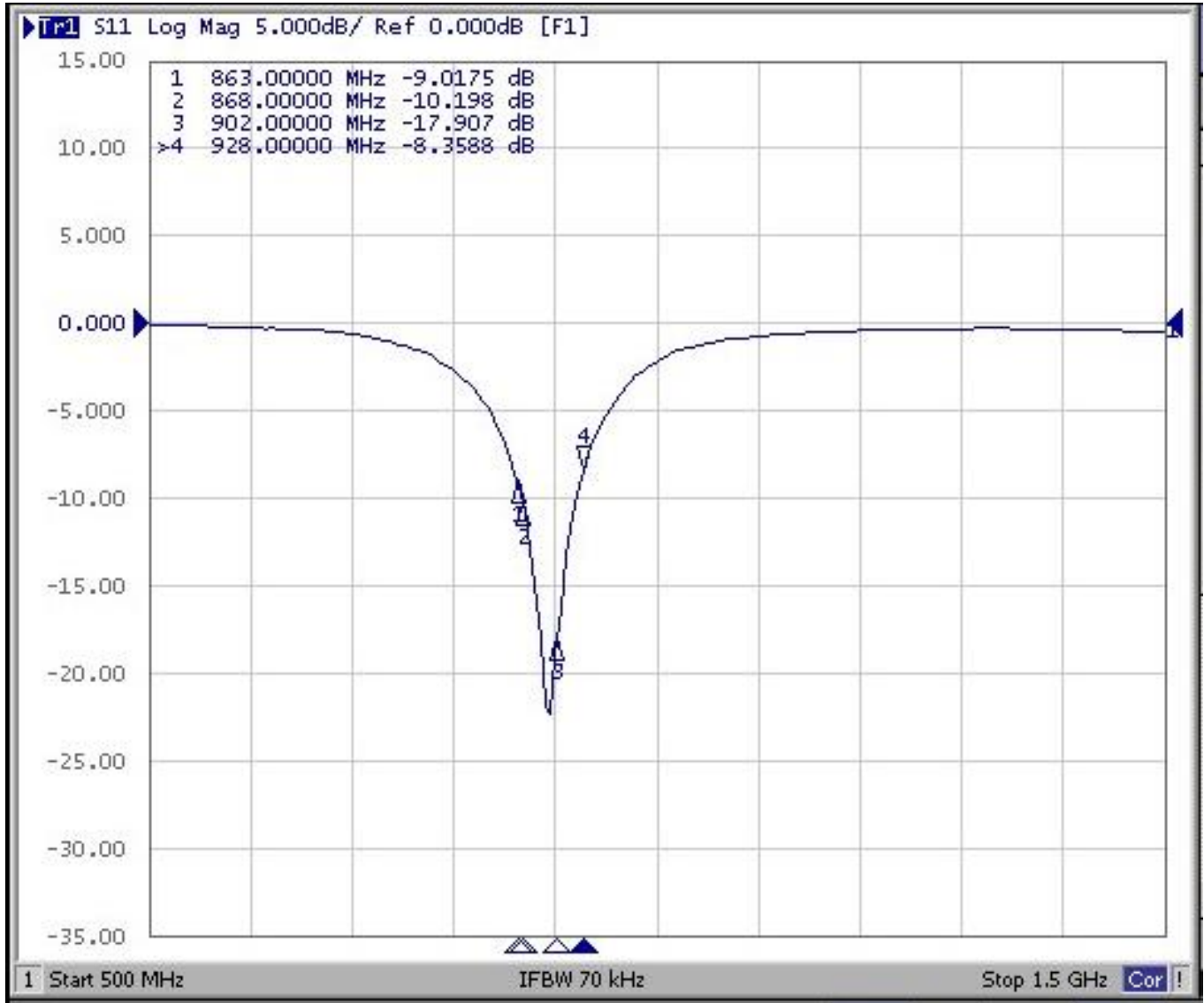
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CHARTS

ISM868/915MHz Band Return Loss



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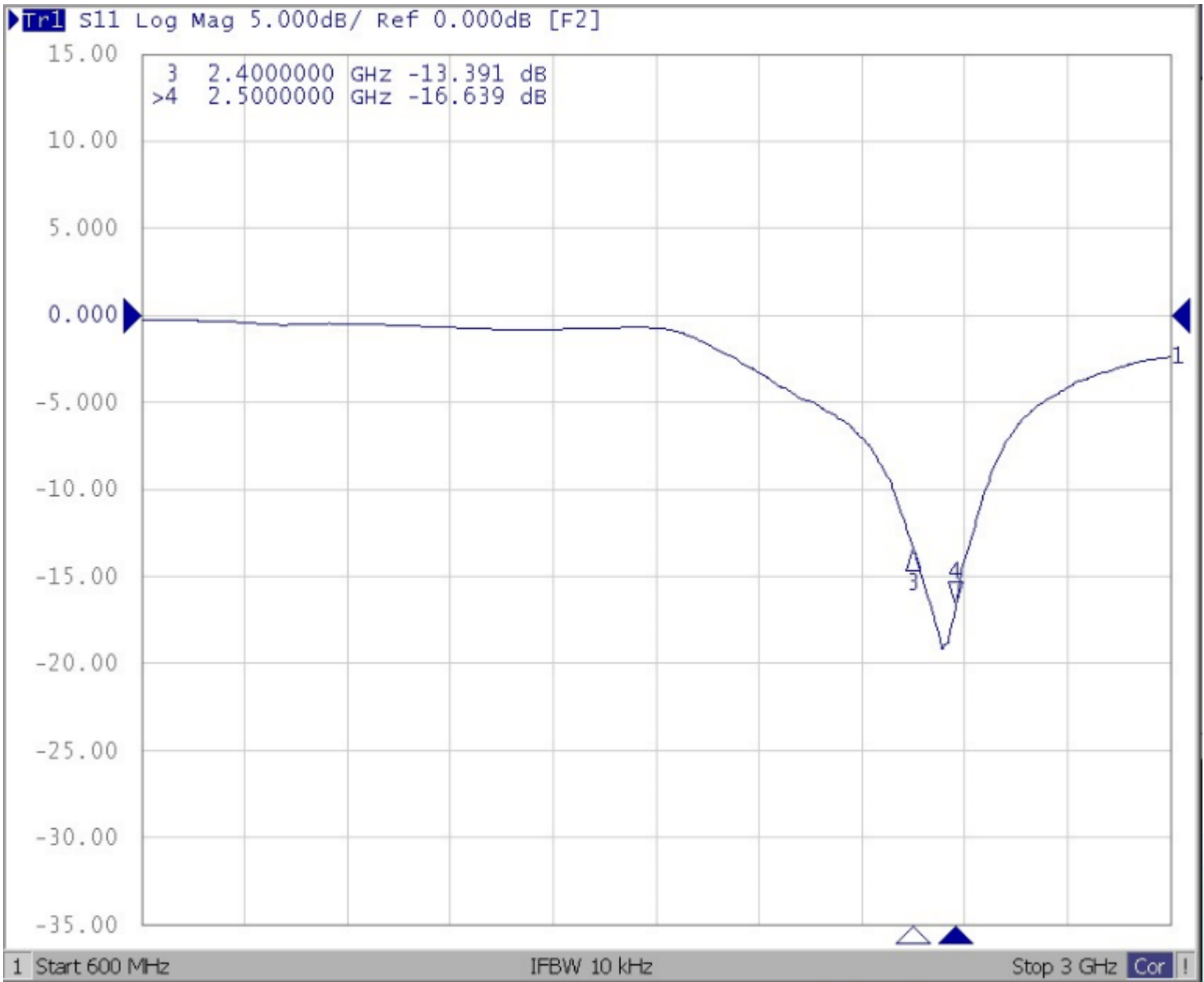
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CHARTS

ISM2.4GHz Return Loss



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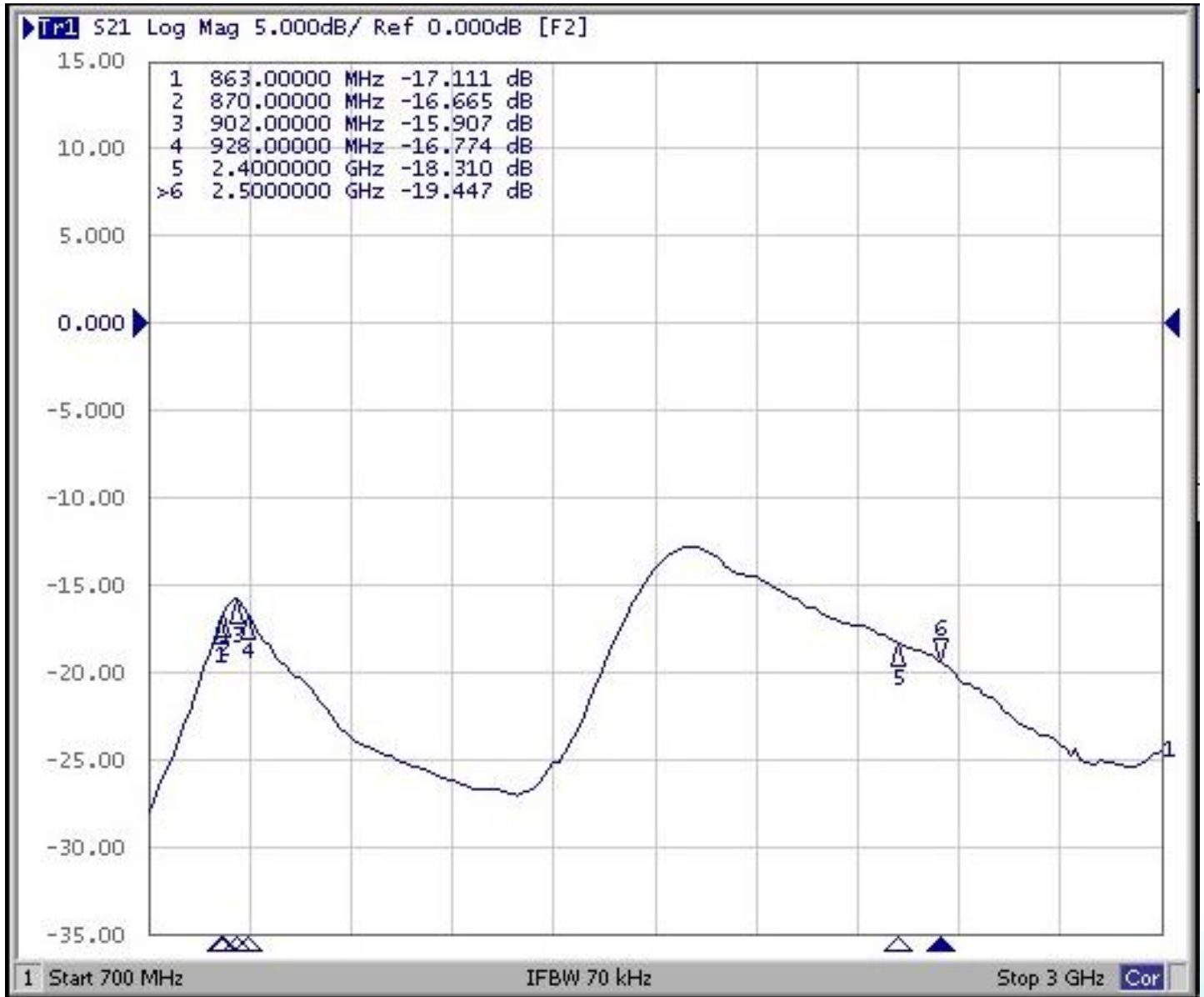
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CHARTS

Isolation



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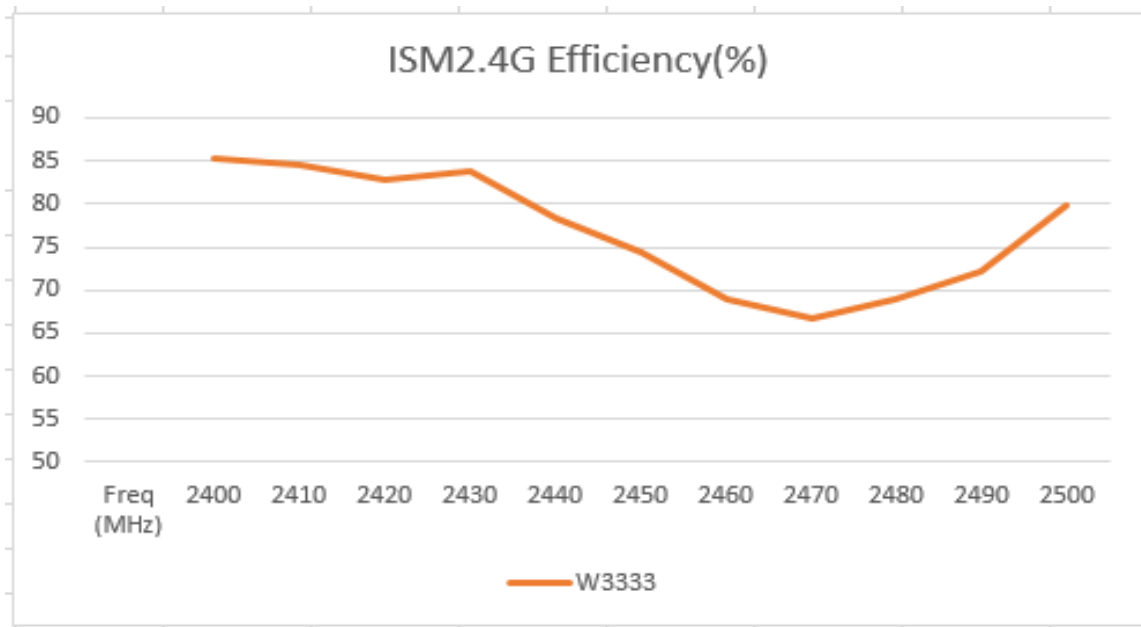
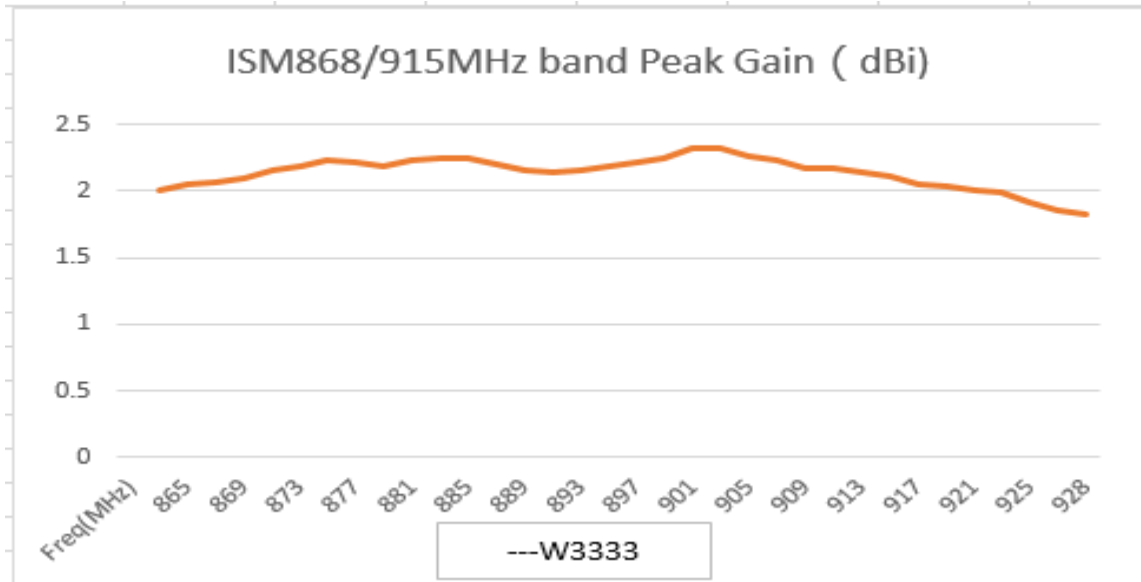
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CHARTS

Efficiency(%)



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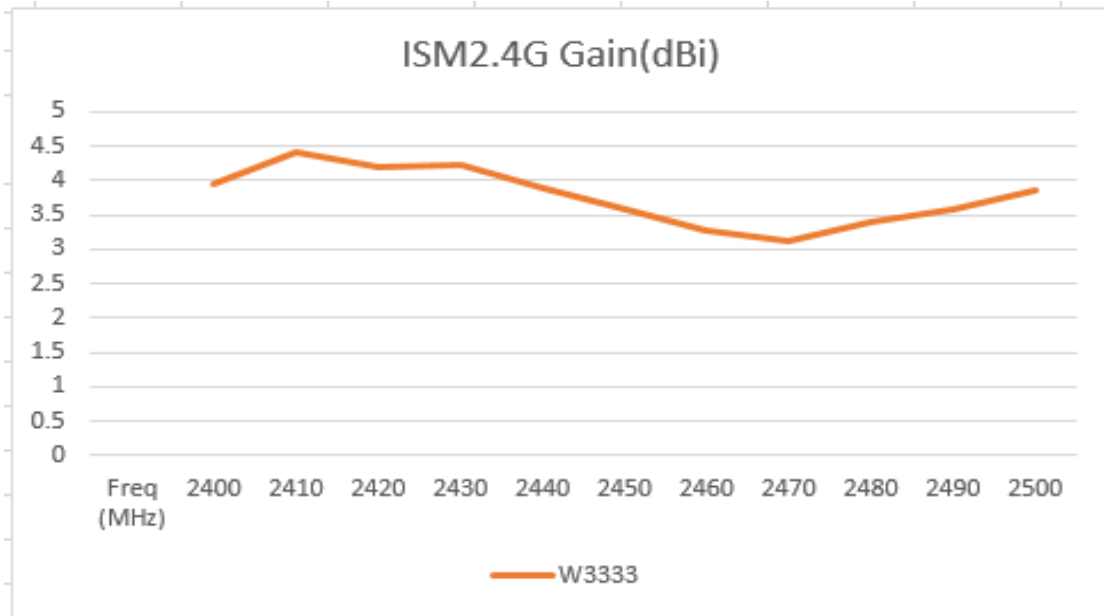
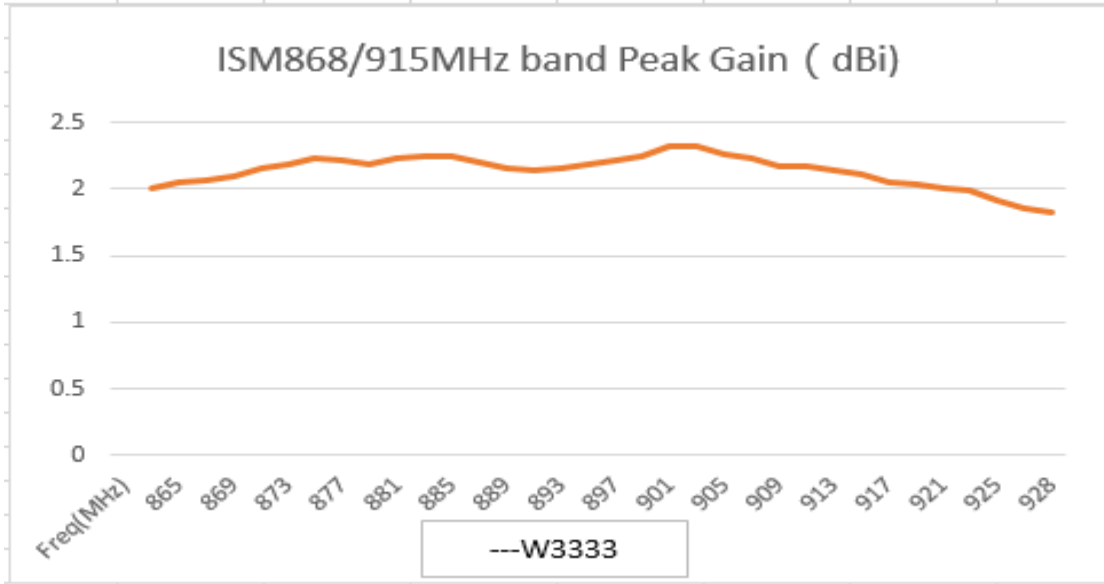
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CHARTS

Peak Gain(dBi)



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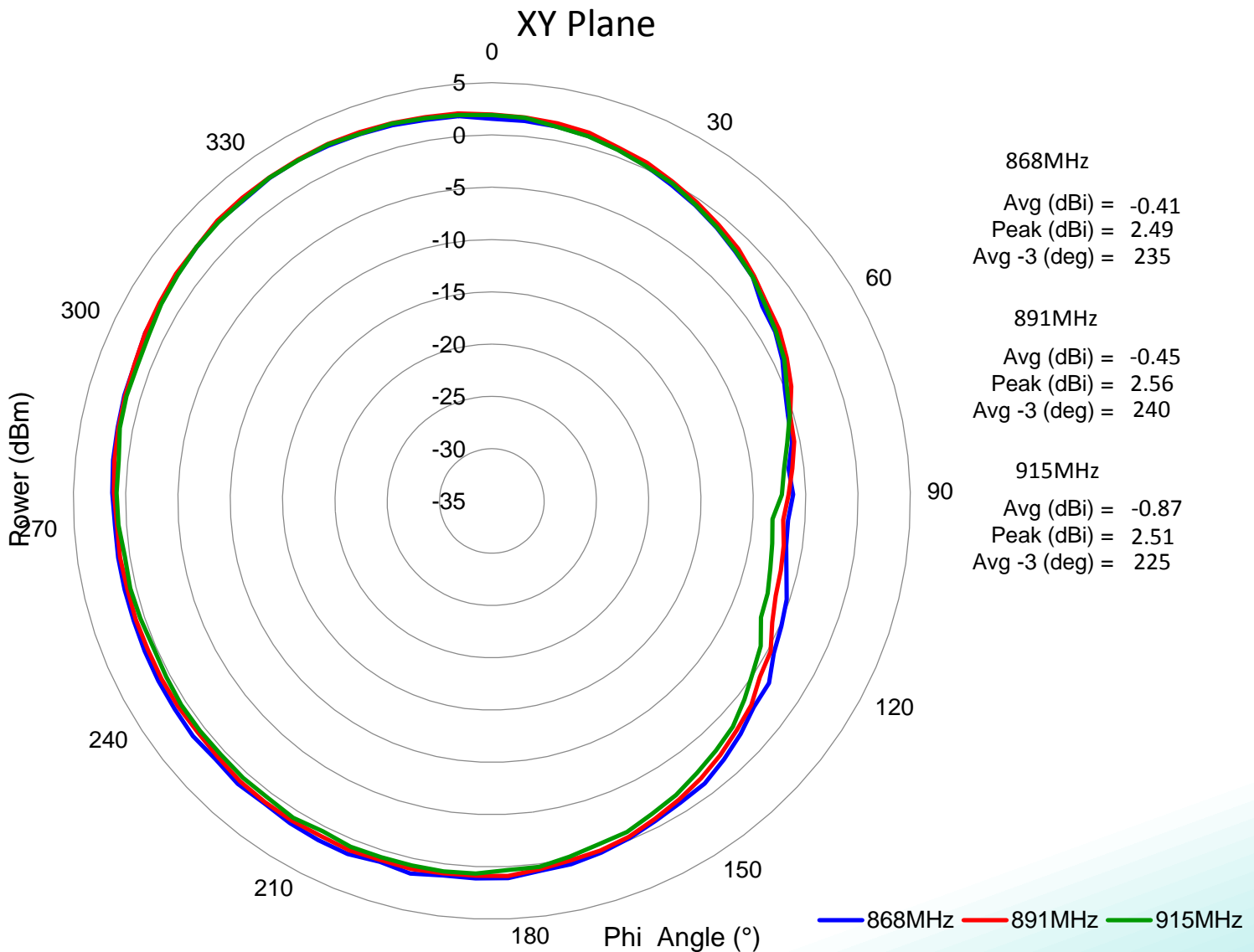
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CHARTS

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



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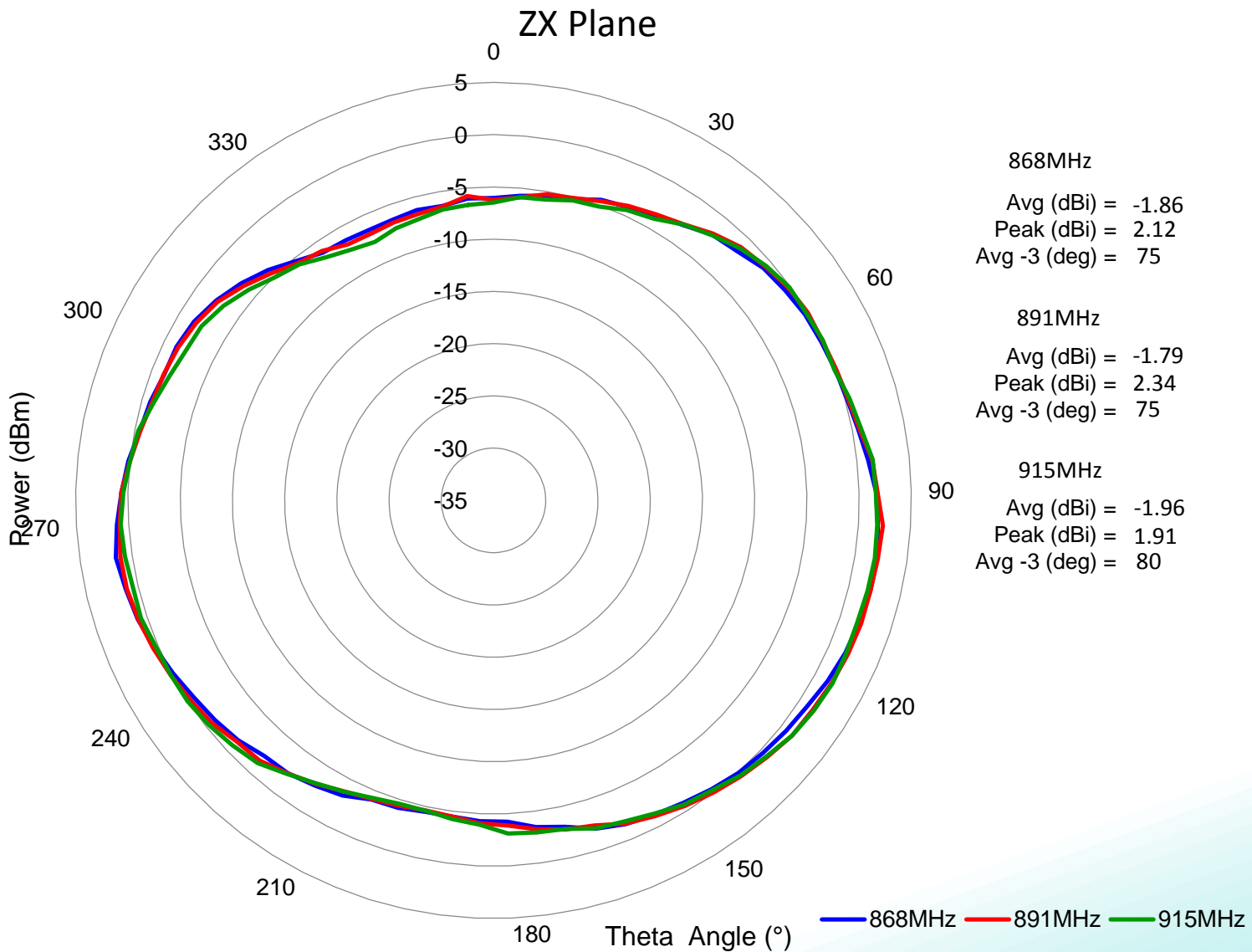
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CHARTS

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



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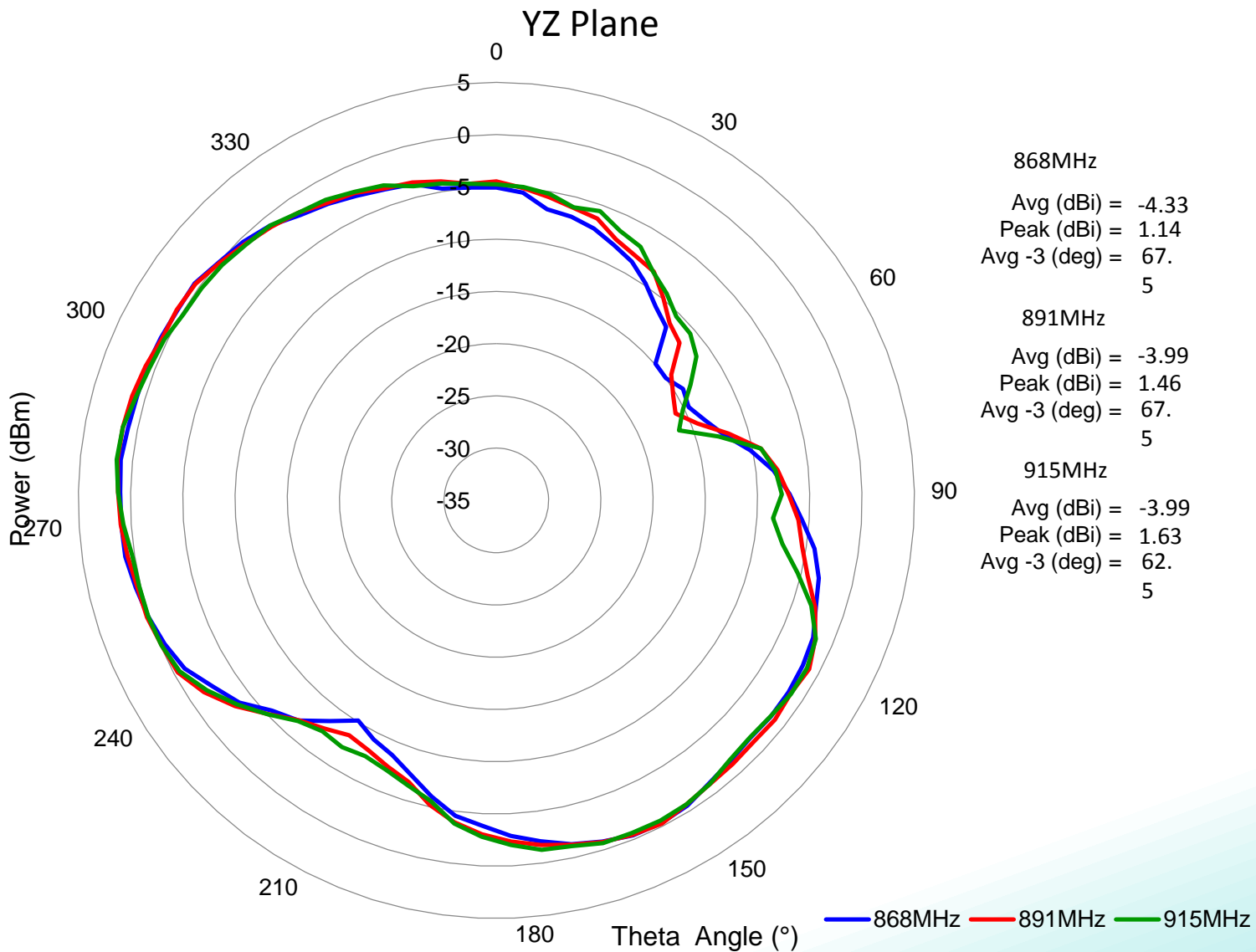
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CHARTS

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



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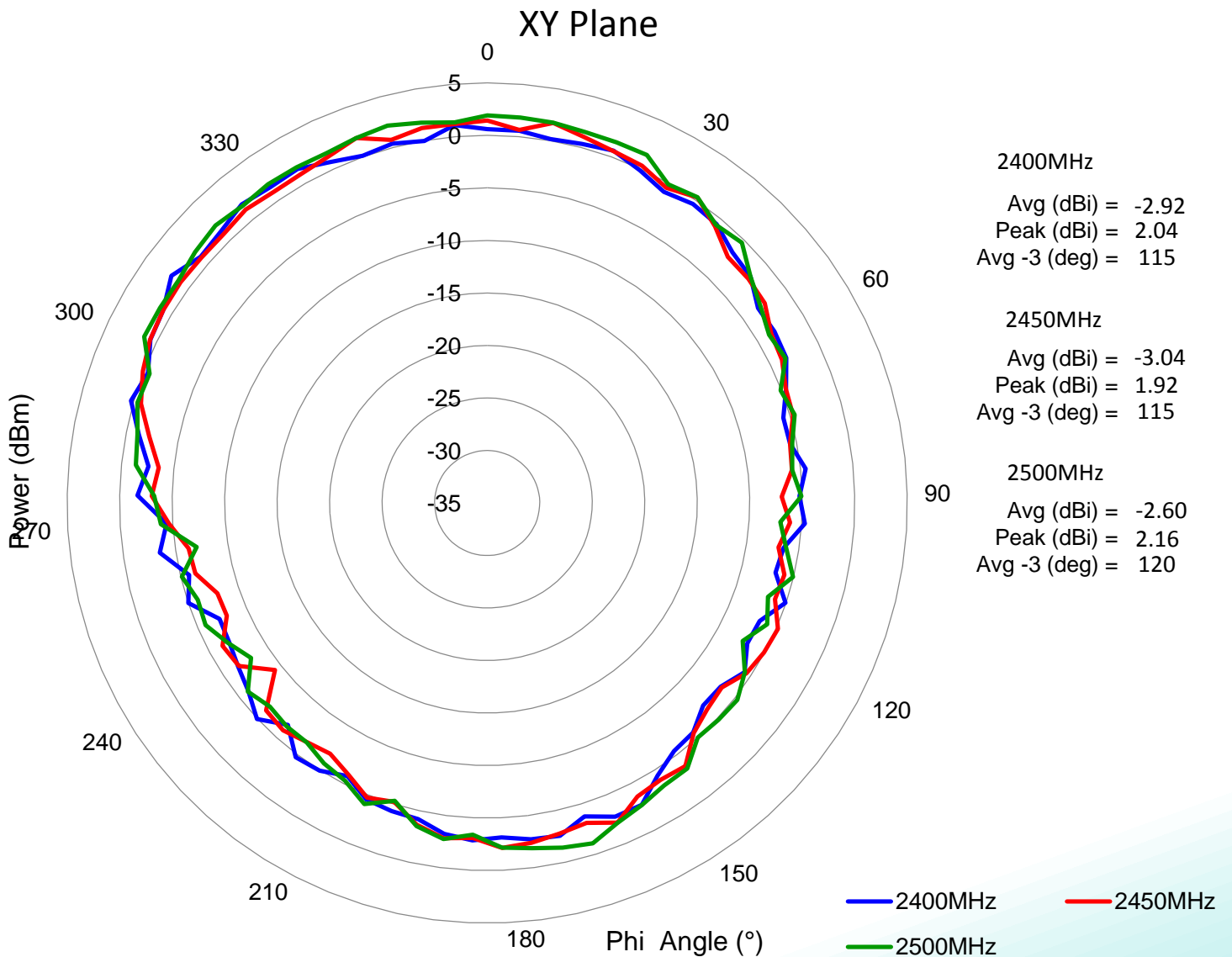
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CHARTS

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



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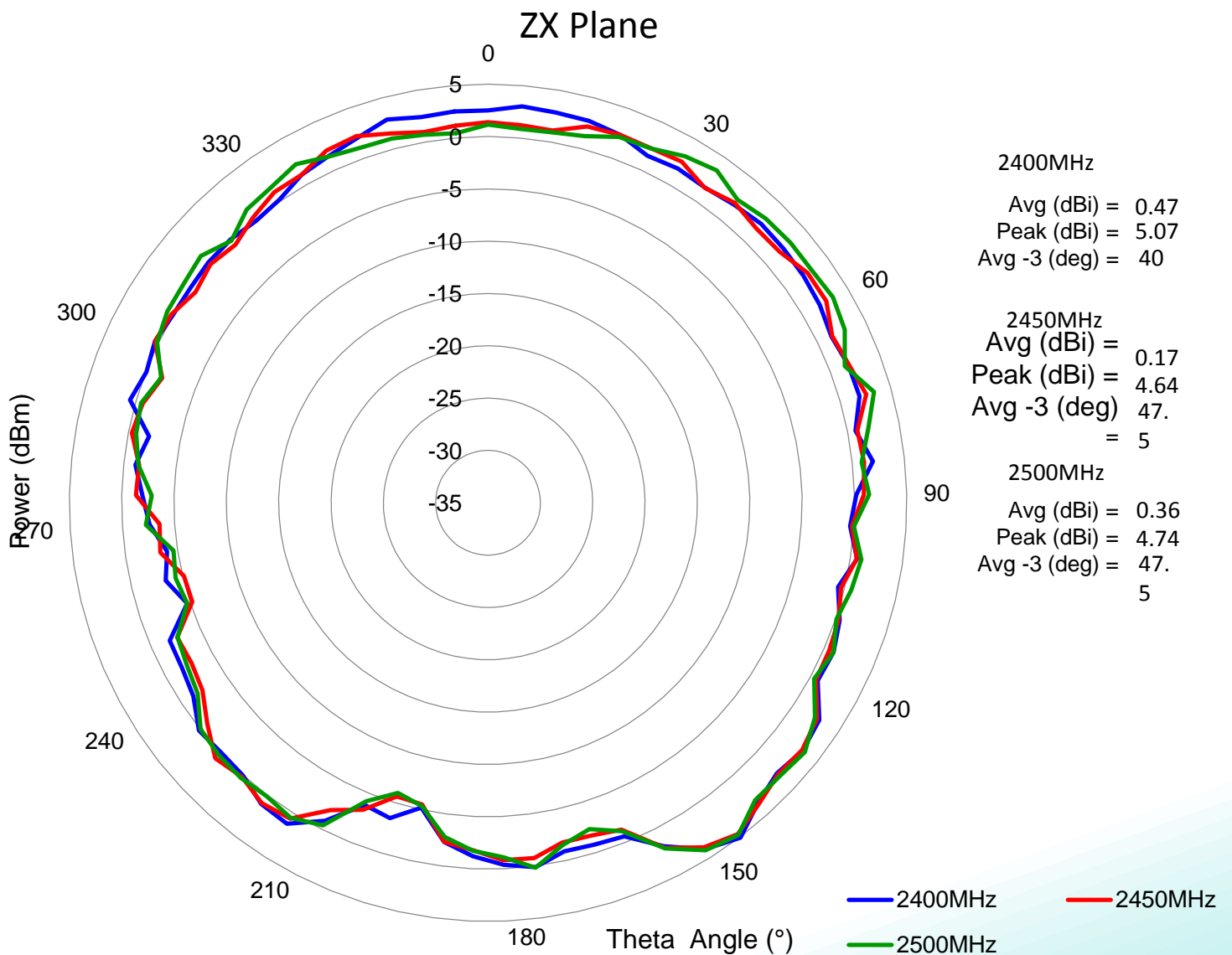
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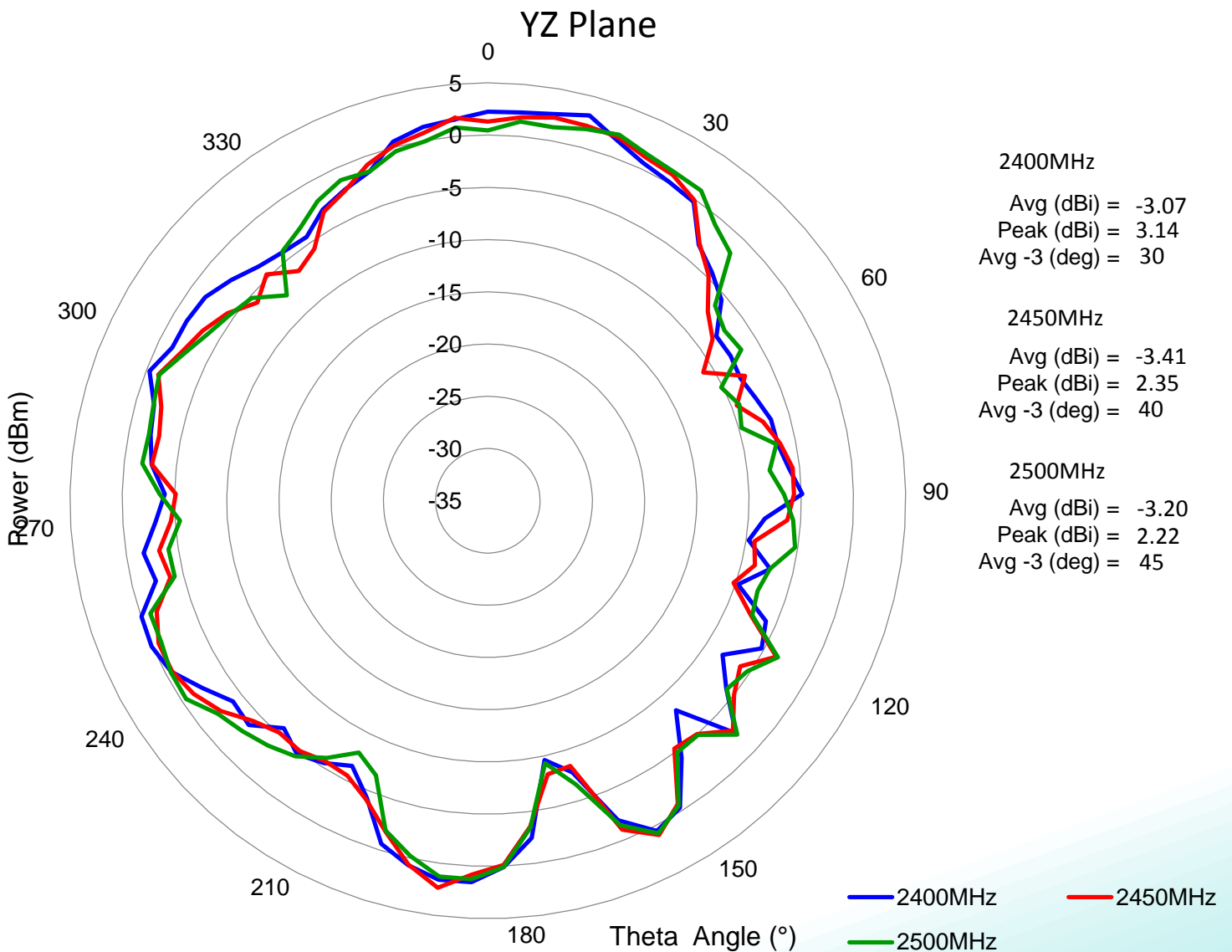
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## PACKAGING

10PCS/PE bag

1000PCS/box

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