PulseLARSEN Antennas

TECHNICAL DATA SHEET

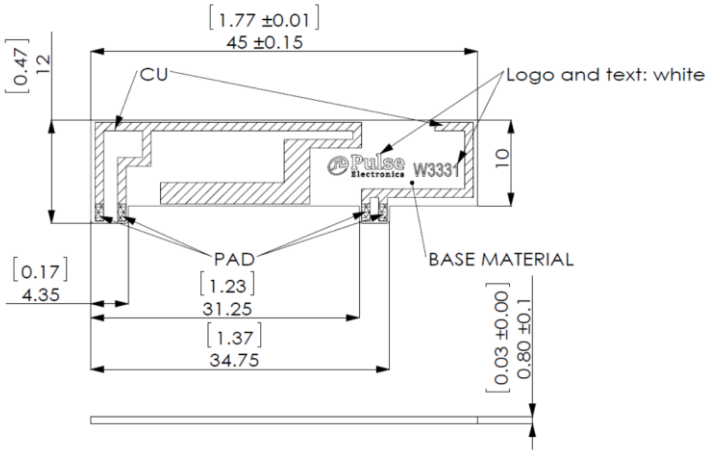
Description: ISM868/915MHz, 2.4GHz Ant

Series: PCB Embedded

PART NUMBER: W3331

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: 1612

RoHS COMPLIANT

For more information:

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San Diego, CA 92128
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3611 NE 112th Ave
Vancouver, WA 98682
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Tel: 1-360-944-7551

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Zeppelinstrasse 15
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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	-6dB max@ISM868/915MHz
	-12dB max@ISM2.4GHz
Isolation between port1& port2	-15dB
Average efficiency	65% @ISM868/915MHz
	75%@ISM2.4GHz
Gain	2 +/- 1 dBi@ISM868/915MHz
	3.5 +/- 1 dBi@ISM2.4GHz
Radiation Pattern	Omni
Polarization:	linear
Power withstanding	3W

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MECHANICAL SPECIFICATIONS

PCB material	FR4
Color	Black
Weight	0.75g
Overall Length	1.77 INCHES
Overall width	0.47 INCHES

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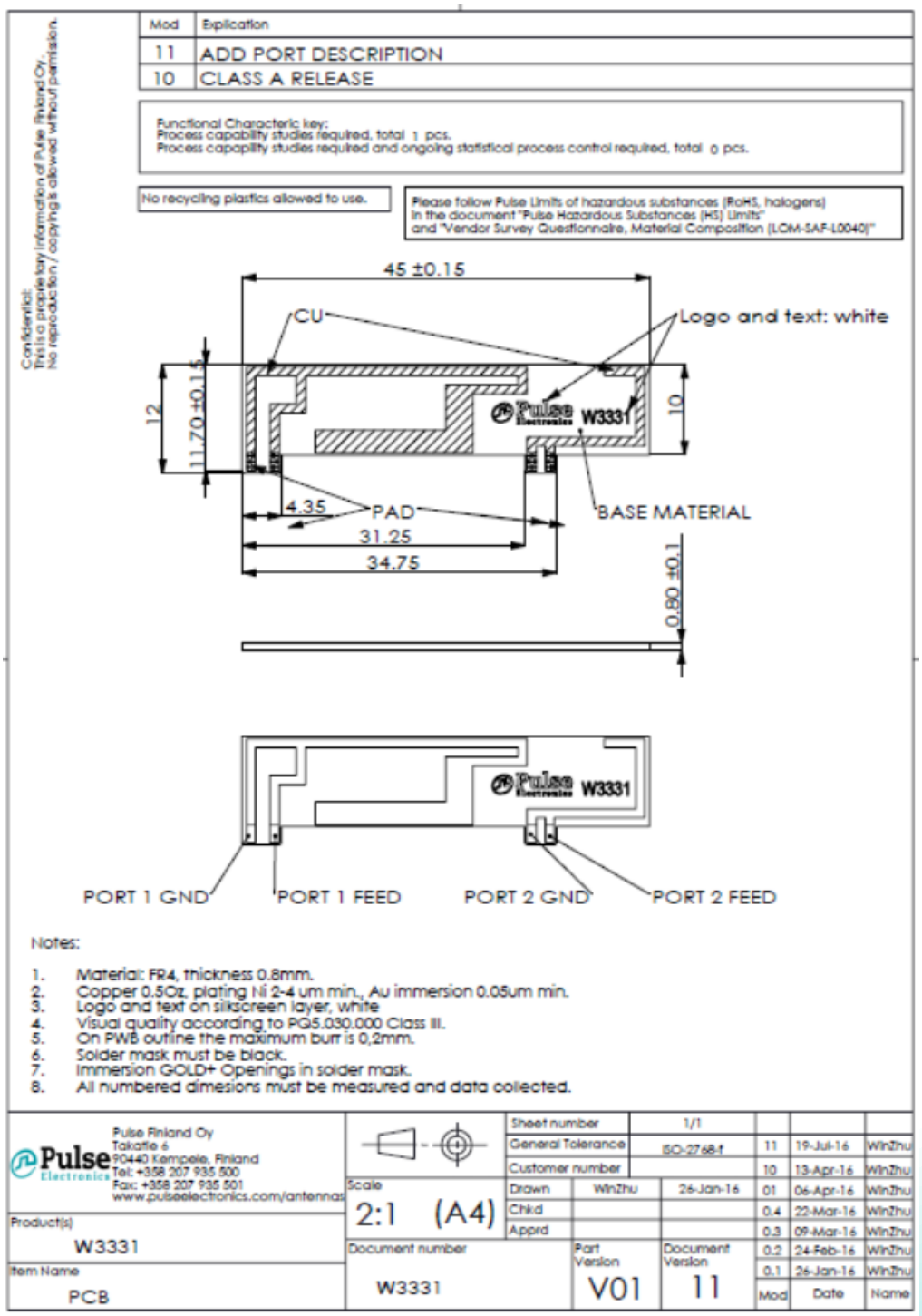
MECHANICAL DRAWING



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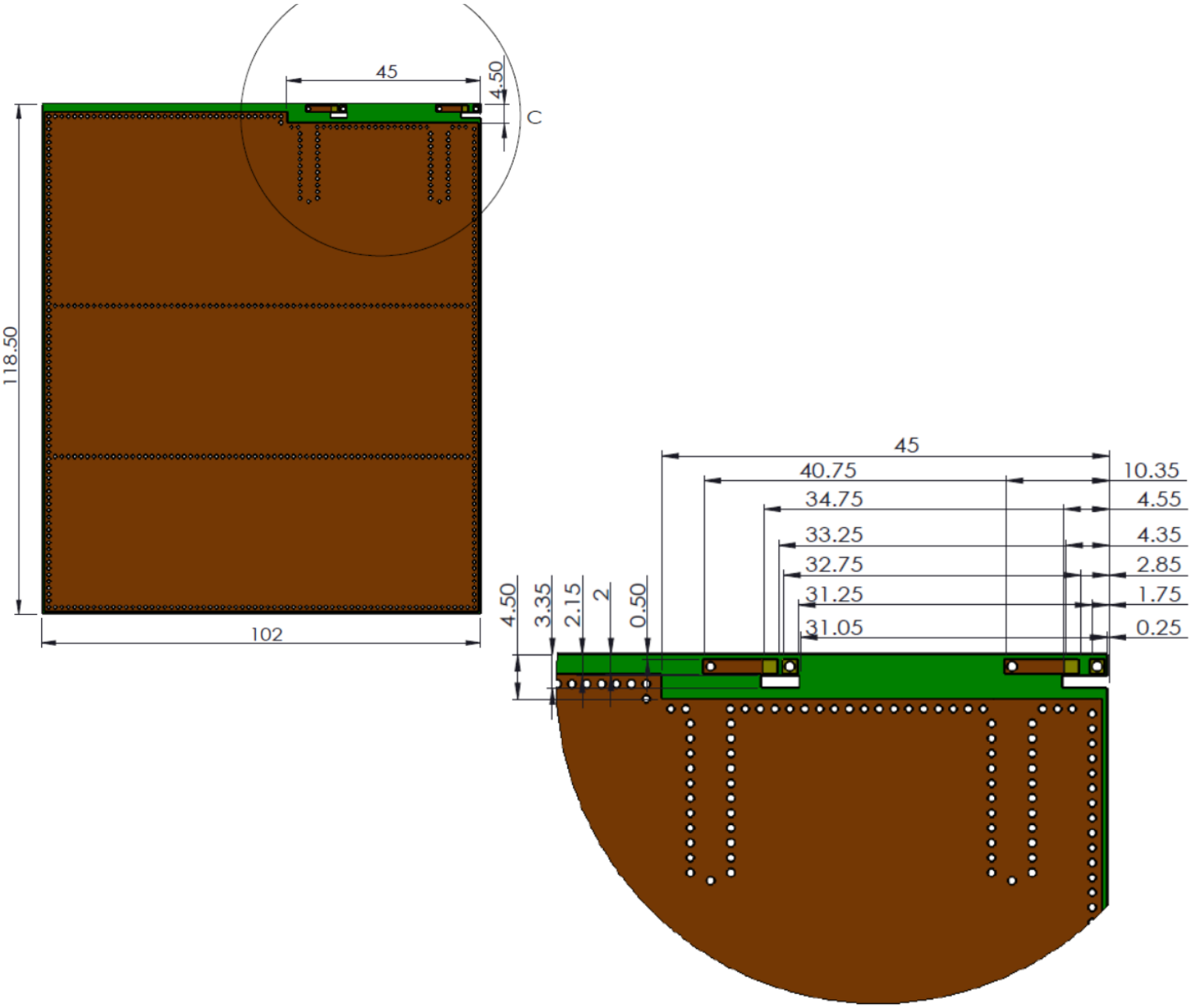
OTHER SPECIFICATIONS

Recommended PCB layout(Unit:mm)



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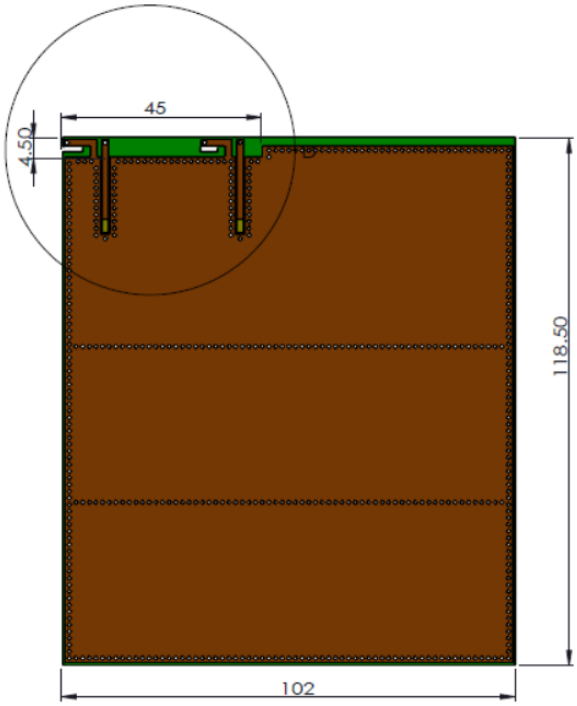
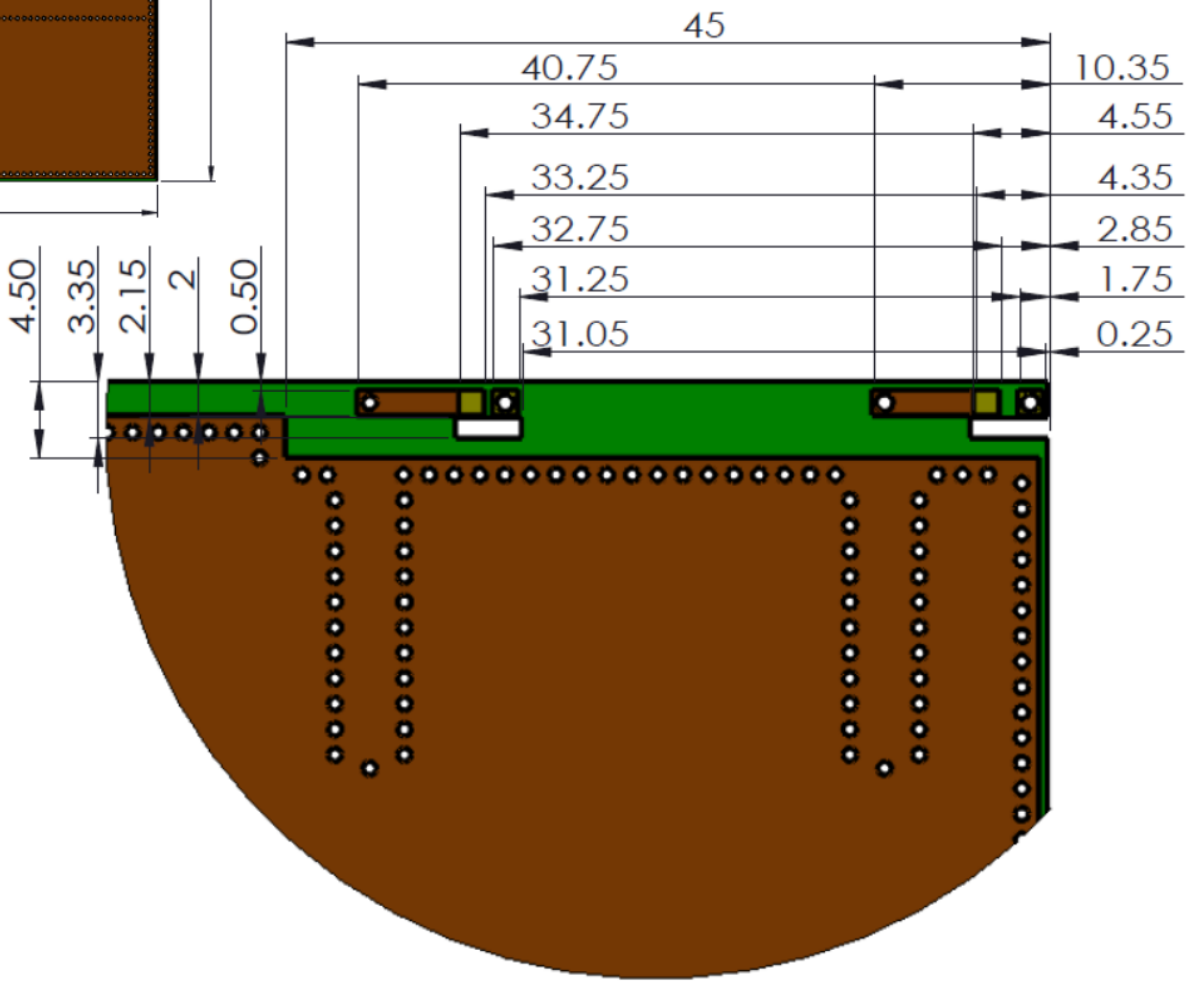
OTHER SPECIFICATIONS





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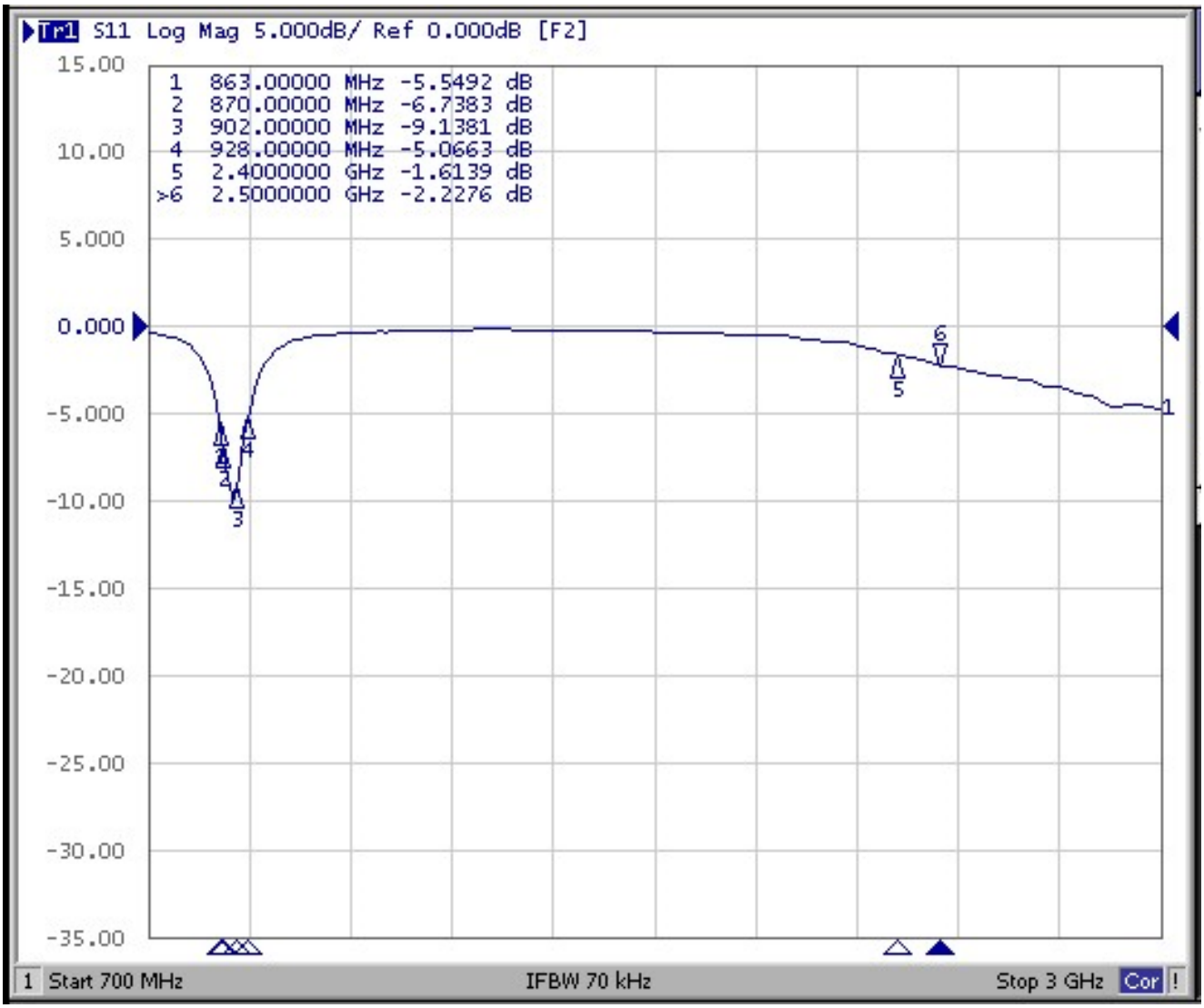
CHARTS

ISM868/915MHz band Return Loss



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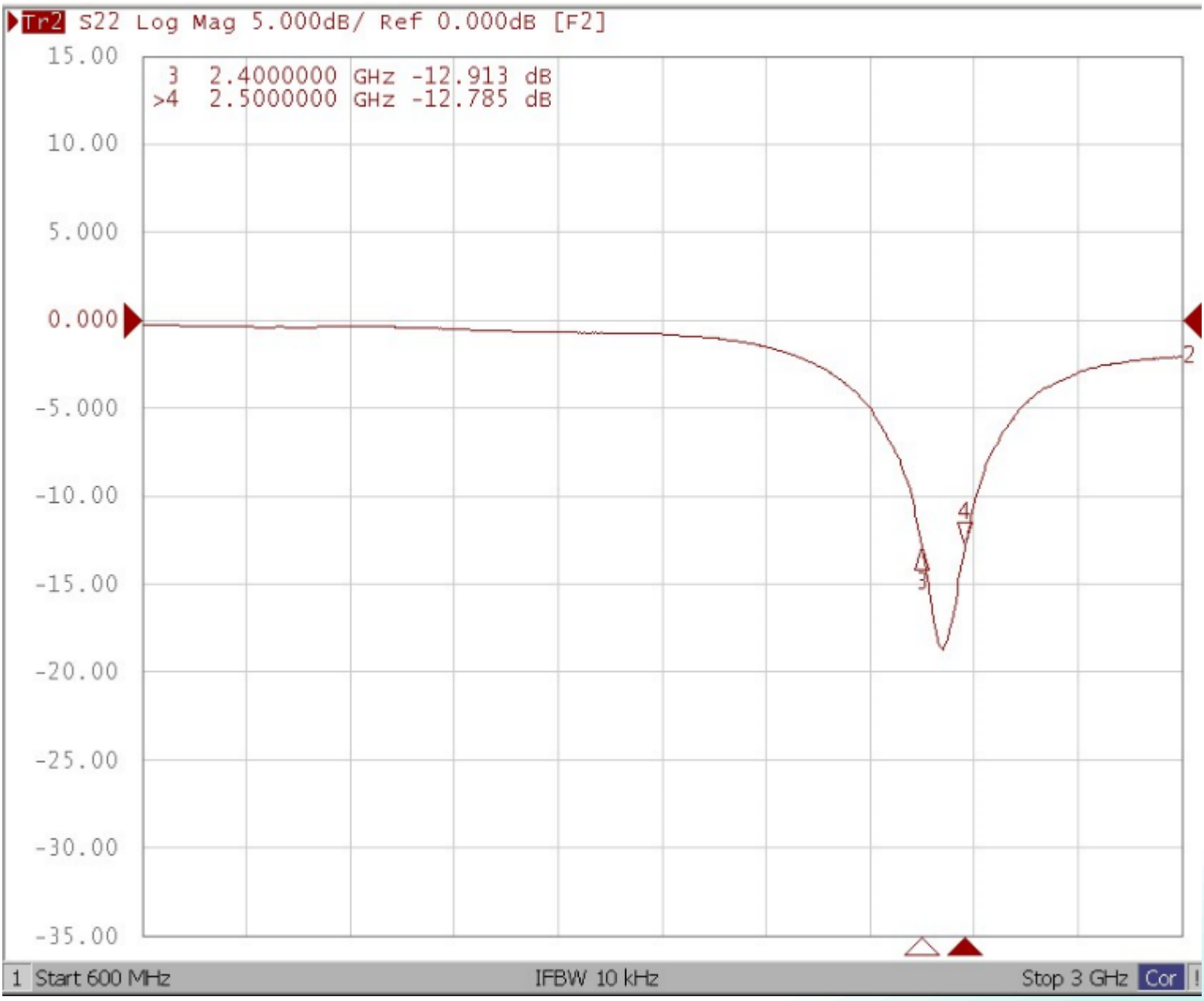
CHARTS

ISM2.4GHz Return Loss



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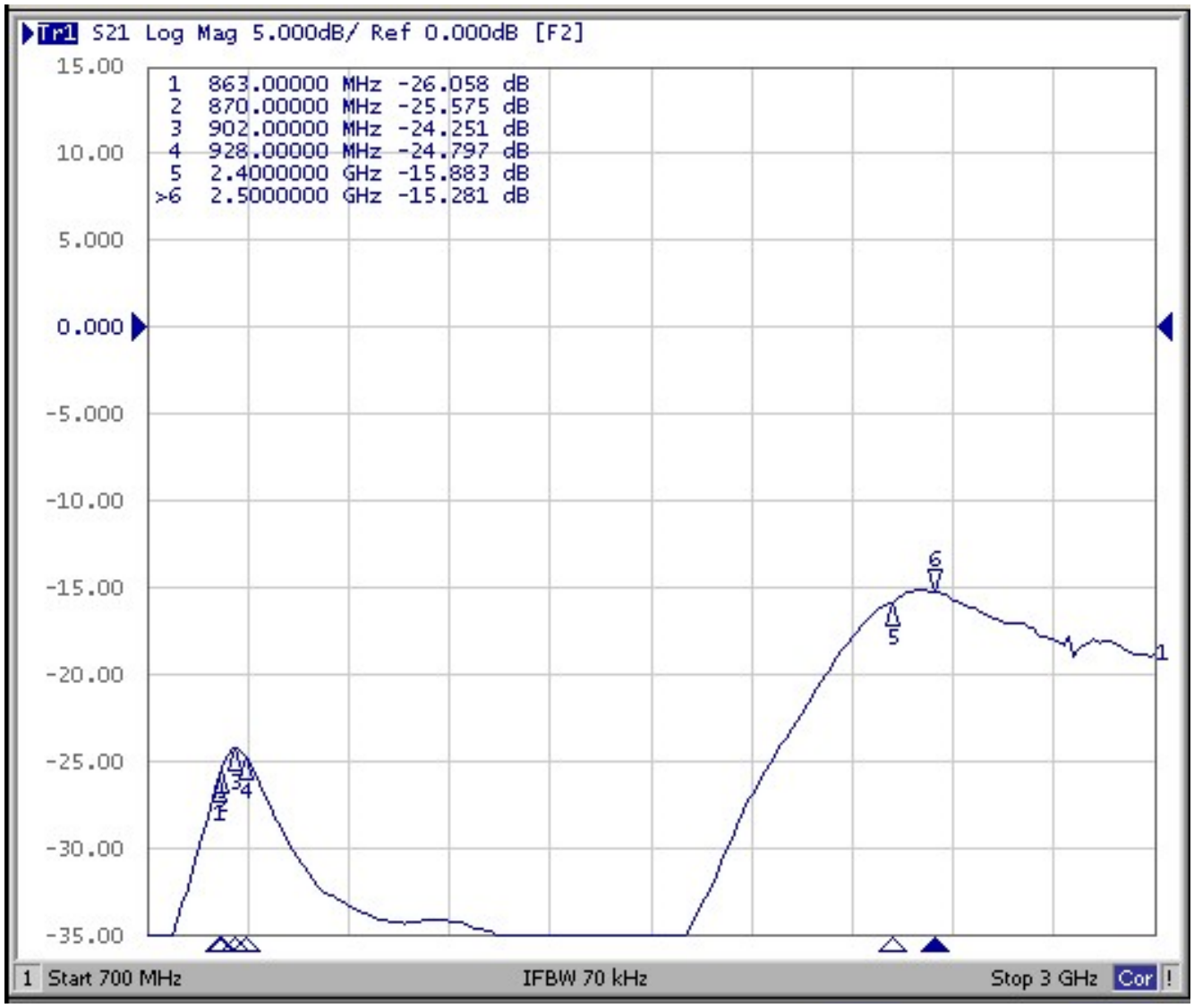
CHARTS

Isolation



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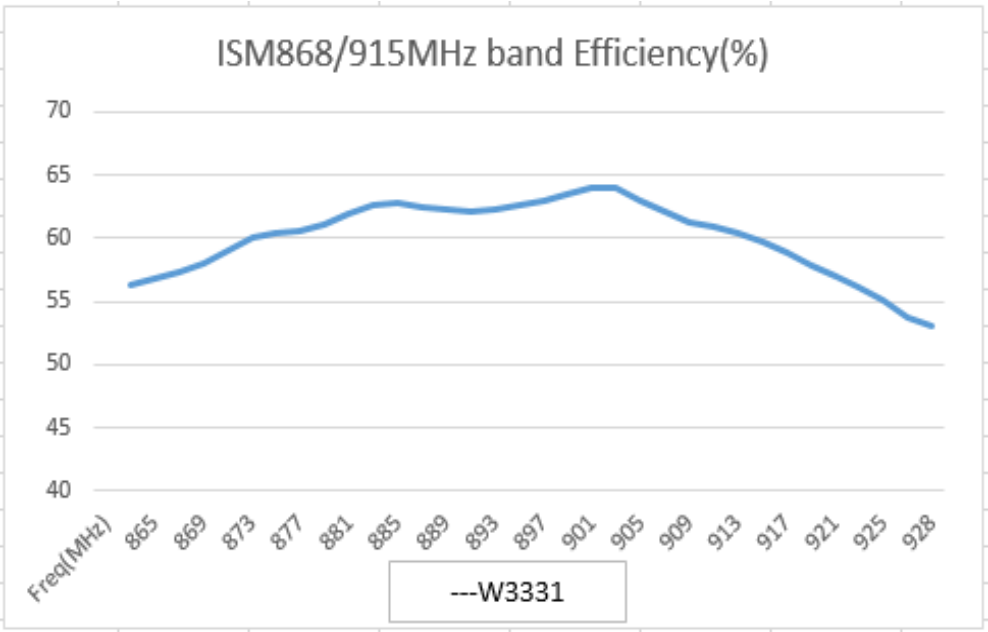
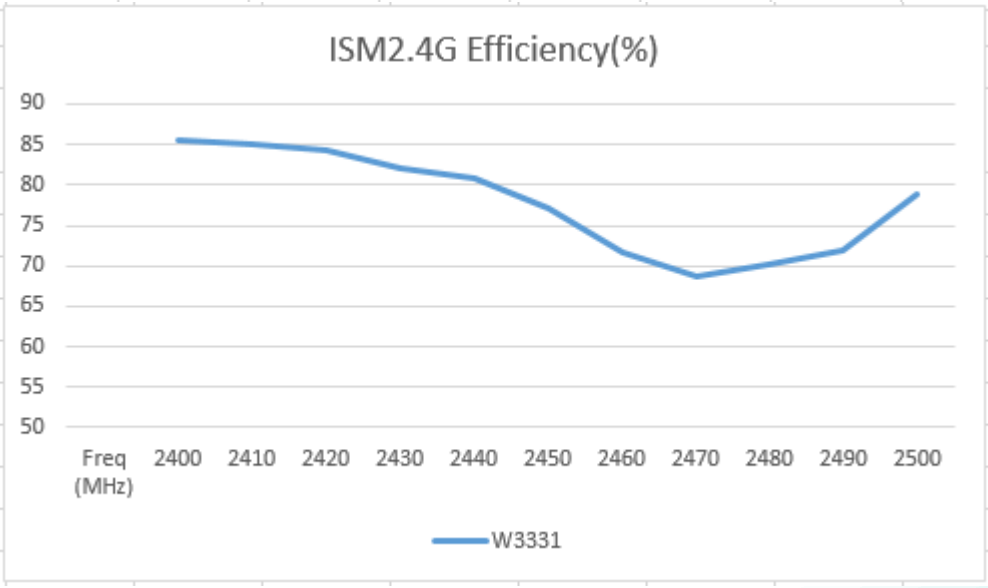
CHARTS

Efficiency(%)





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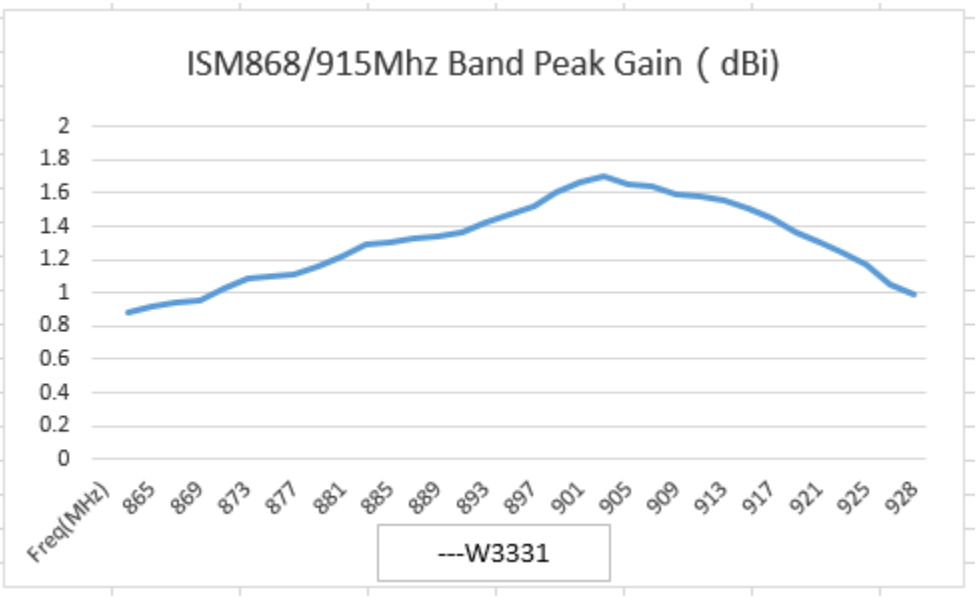
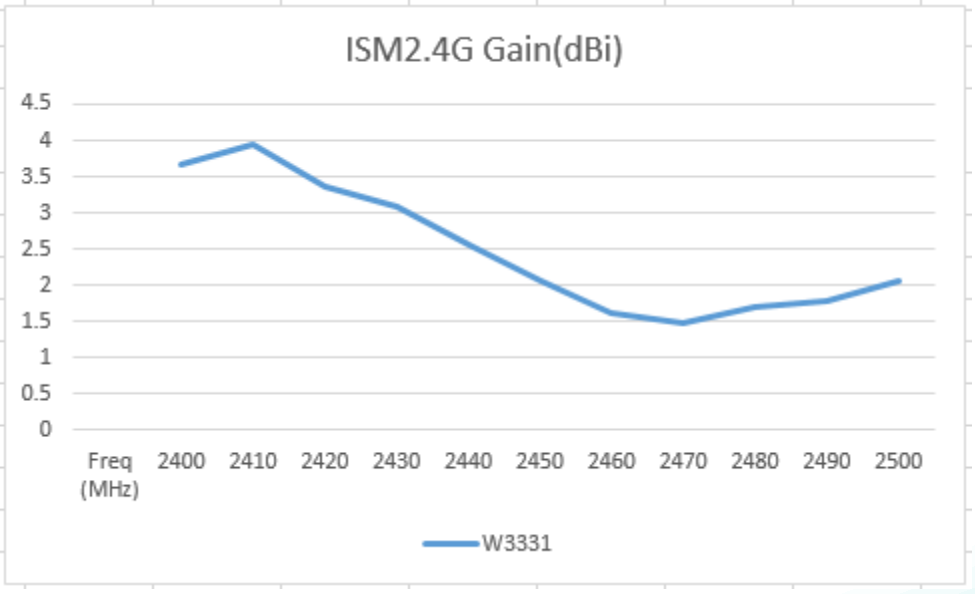
CHARTS

Peak Gain (dBi)





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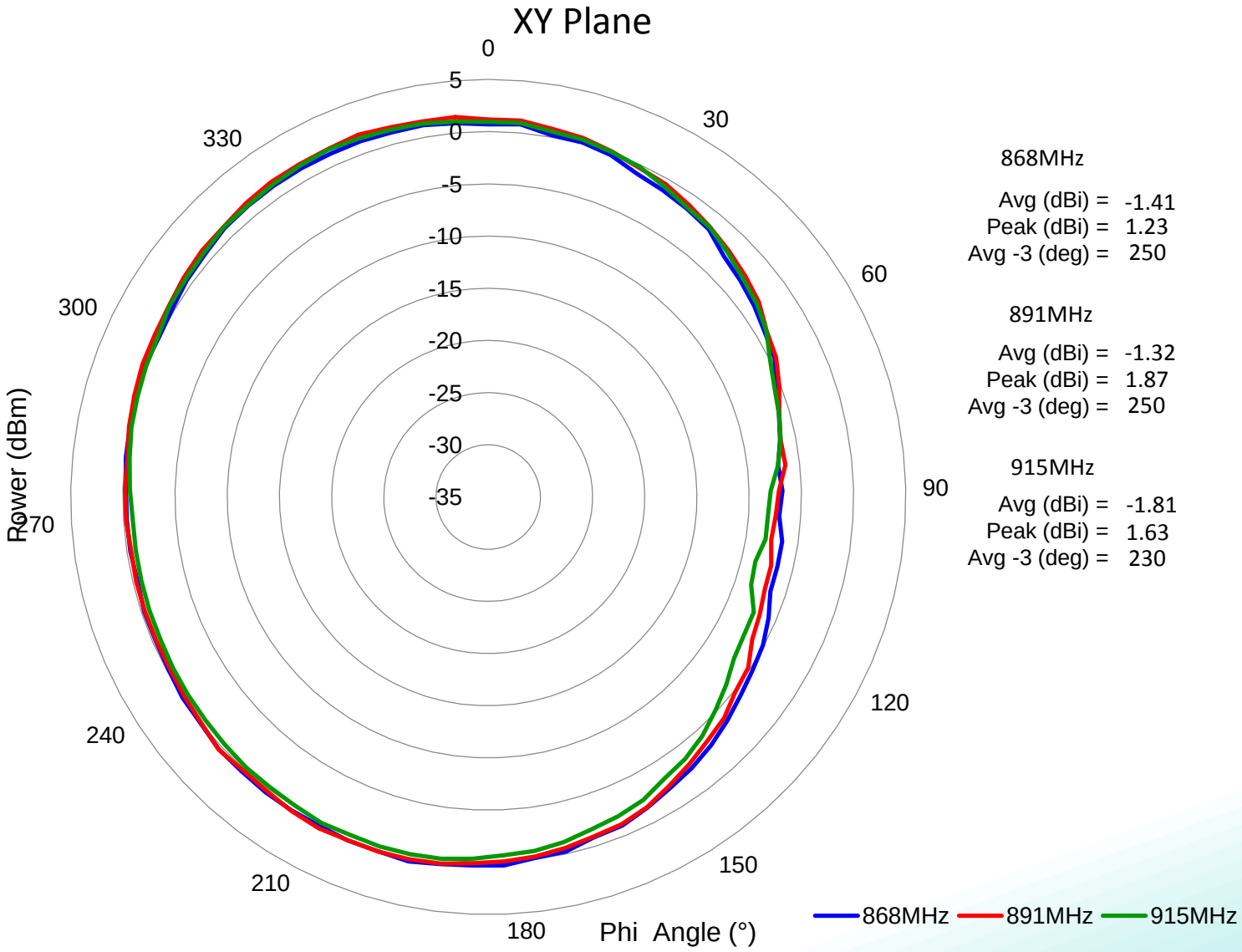
CHARTS

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



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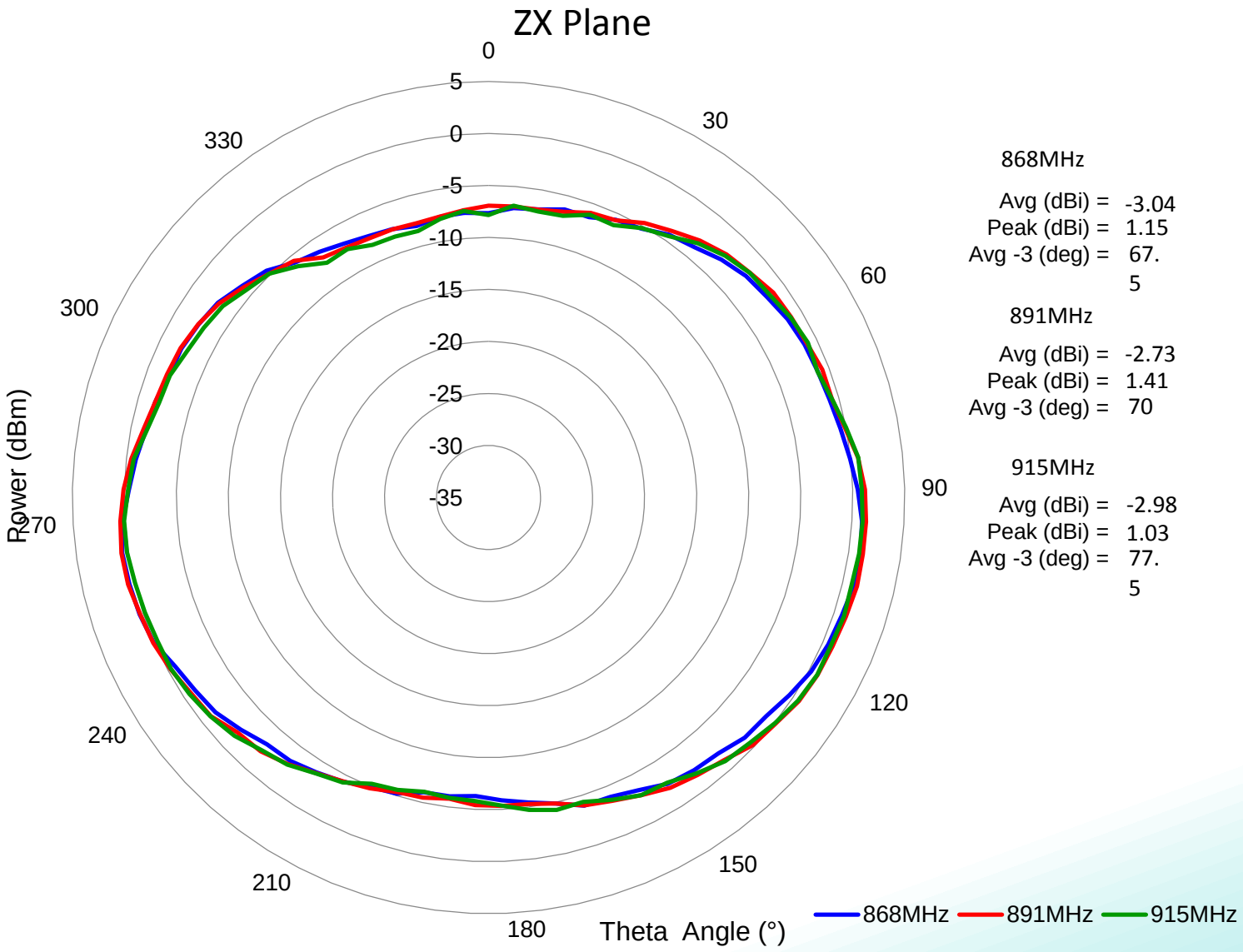
CHARTS

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



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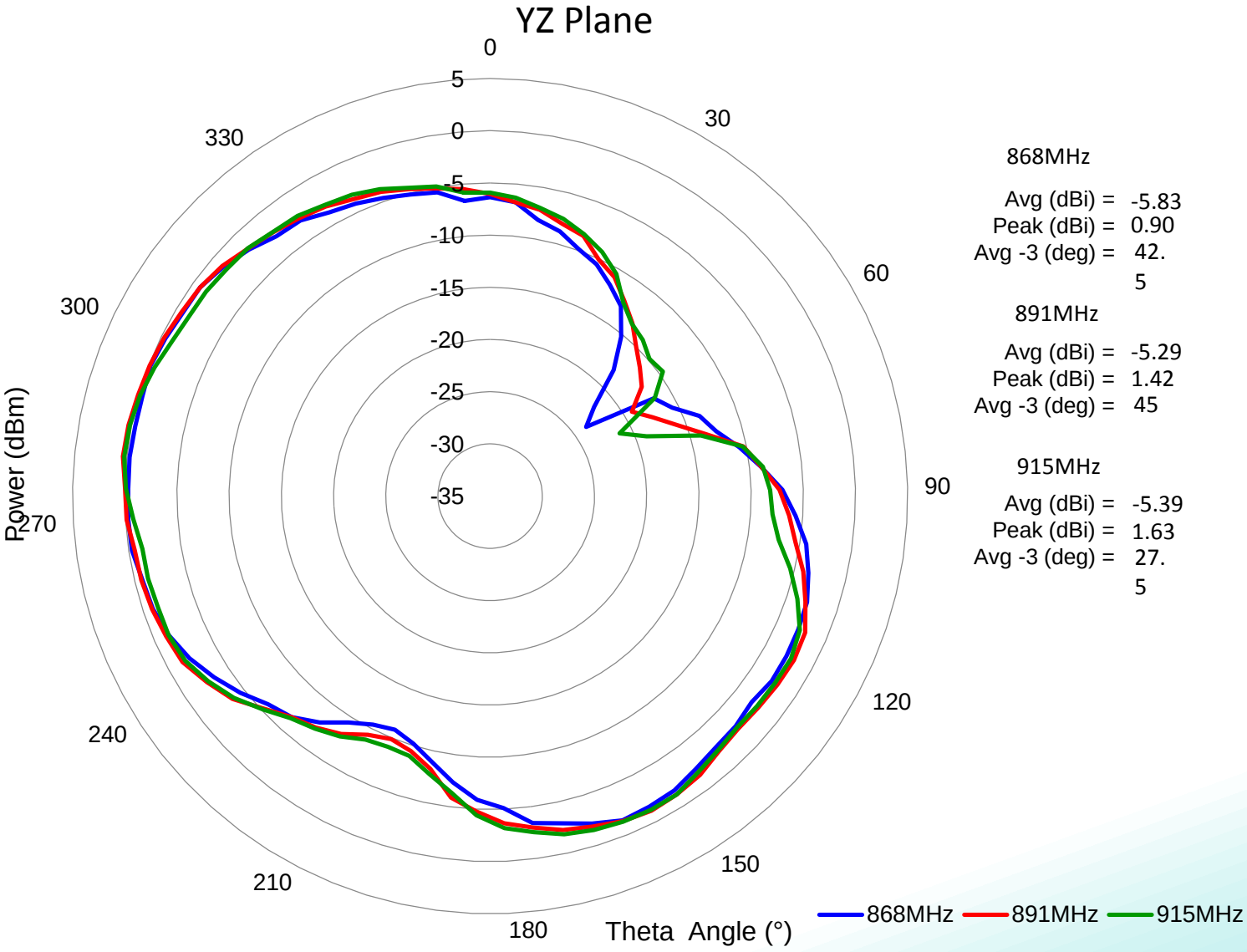
Typical free space radiation pattern
ISM868/915MHz
Z-Y plane



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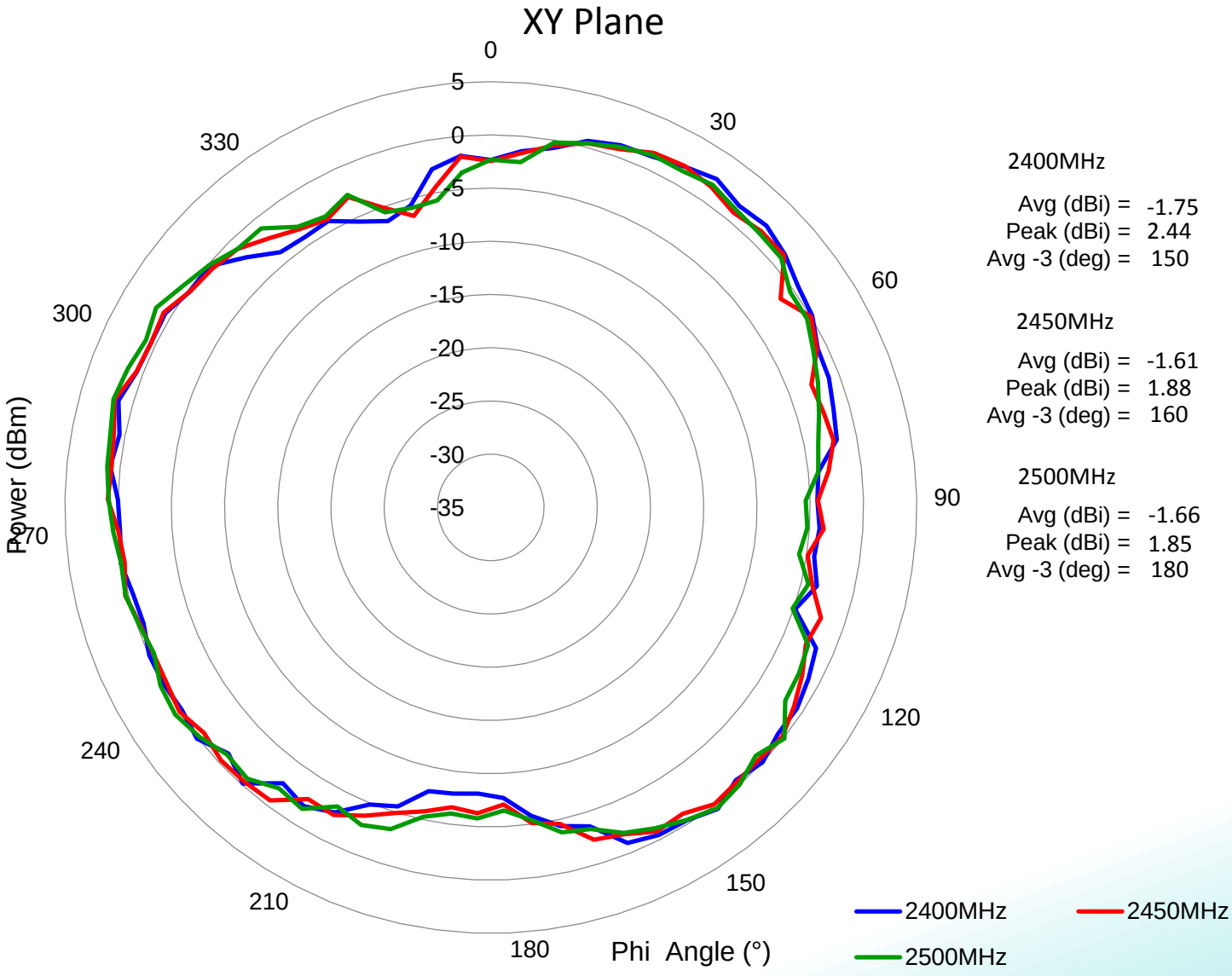
CHARTS

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



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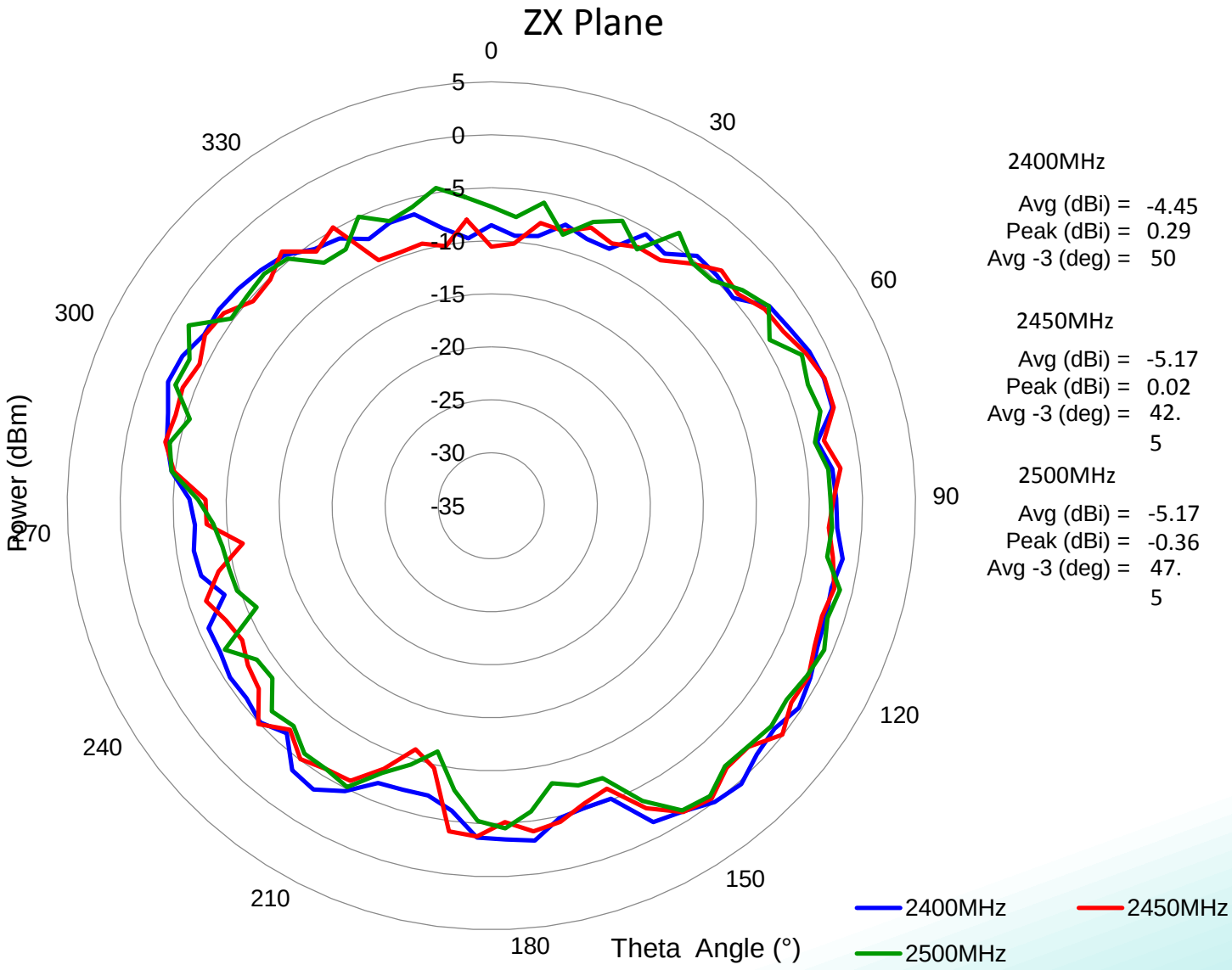
CHARTS

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



2400MHz

Avg (dBi) =	-4.45
Peak (dBi) =	0.29
Avg -3 (deg) =	50

2450MHz

Avg (dBi) =	-5.17
Peak (dBi) =	0.02
Avg -3 (deg) =	42.5

2500MHz

Avg (dBi) =	-5.17
Peak (dBi) =	-0.36
Avg -3 (deg) =	47.5

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CHARTS

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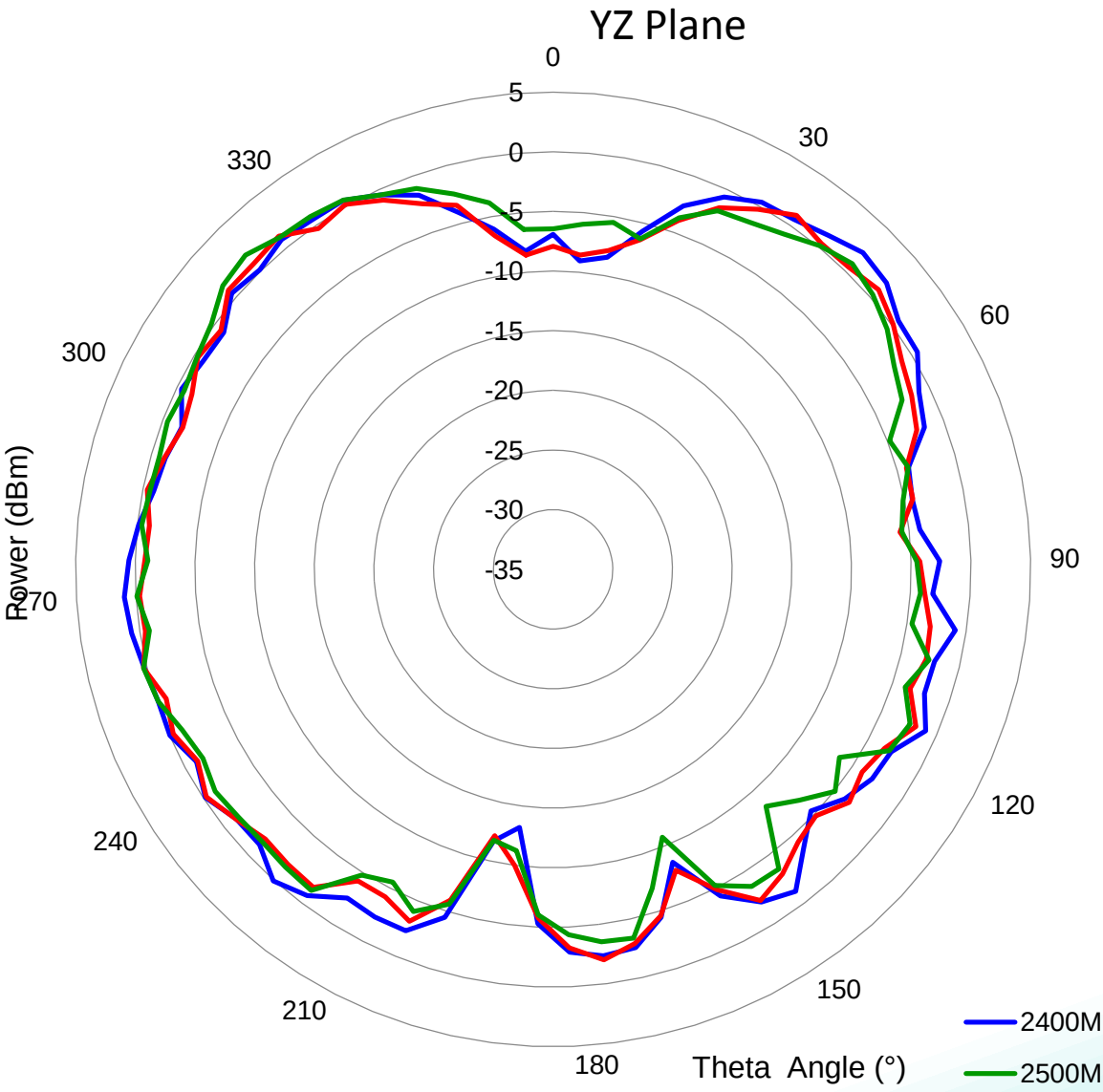
ISM2.4GHz
Z-Y plane



2400MHz

Avg (dBi) =	-2.26
Peak (dBi) =	2.13
Avg -3 (deg) =	60

2450MHz

Avg (dBi) =	-2.75
Peak (dBi) =	1.42
Avg -3 (deg) =	67.5

2500MHz

Avg (dBi) =	-2.95
Peak (dBi) =	1.83
Avg -3 (deg) =	62.5

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PACKAGING

10PCS/PE bag
1000PCS/box

单击下面可查看定价，库存，交付和生命周期等信息

>>Pulse(普思)