

Series: External Antenna

Description: 2.4-2.5/5.15-6GHz IP65 Stick  
Antenna

PART NUMBER: W5029RPG



### Features:

- WiFi Dual-Band
- DSRC
- Multi banded  
2.4-2.5 GHz  
5.15-6 GHz
- IP65
- Length 80mm

### Applications:

- Zigbee, BLE/BT, WLAN (2.4GHz, 5GHz)
- DSRC V2x communication
- Rugged Outdoor Systems
- Marine, Mining, Utility, Oil/Gas Environments
- Industrial Applications
- Metering, Security, IoT Applications
- Outdoor Networking
- Data Transmission, Access Points

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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  
18110 SE 34<sup>th</sup> St Bldg 2 Suite 250  
Vancouver, WA 98683  
USA  
Tel: 1-360-944-7551

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

Pulse (Suzhou) Wireless Products Co, Inc.  
99 Huo Ju Road(#29 Bldg, 4<sup>th</sup> Phase  
Suzhou New District  
Jiangsu Province, Suzhou 215009 PR China  
Tel: 86 512 6807 9998

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ELECTRICAL SPECIFICATIONS

Frequency	2.4-2.5GHz/5.15-6GHz
Nominal Impedance	50Ω
Return Loss	2.4-2.5GHz <-10dB 5.15-5.85GHz <-4dB 5.55GHz <-10dB
Gain (Radiating element	2.4-2.5GHz 2.3dBi +/-1 dBi 5.15-5.85GHz 5dBi +/-1dBi 5.925GHz 3dBi +/-1dBi
Radiation Pattern	Omni in Horizontal plane
Polarization:	Vertical
Power withstanding	1W
Connector type	RP SMA male

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MECHANICAL SPECIFICATIONS

Plastic radome	TPEE
Color	Black
Weight	20g
Overall Length	80 mm
IP Rate	IP65

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-35/+85° C
Storage Temperature	-40/+85° C

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## MECHANICAL DRAWING



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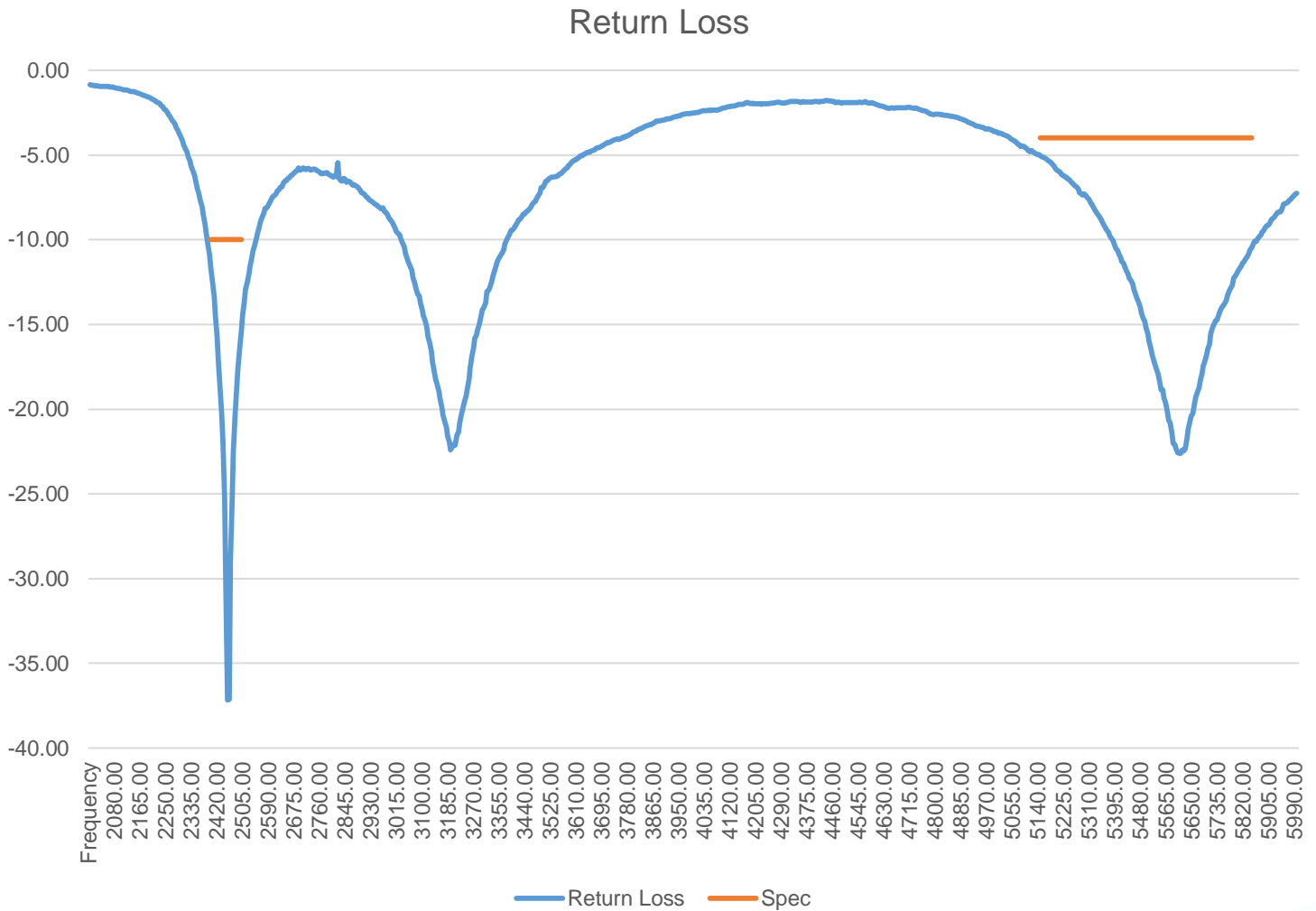
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## CHARTS

### Return Loss



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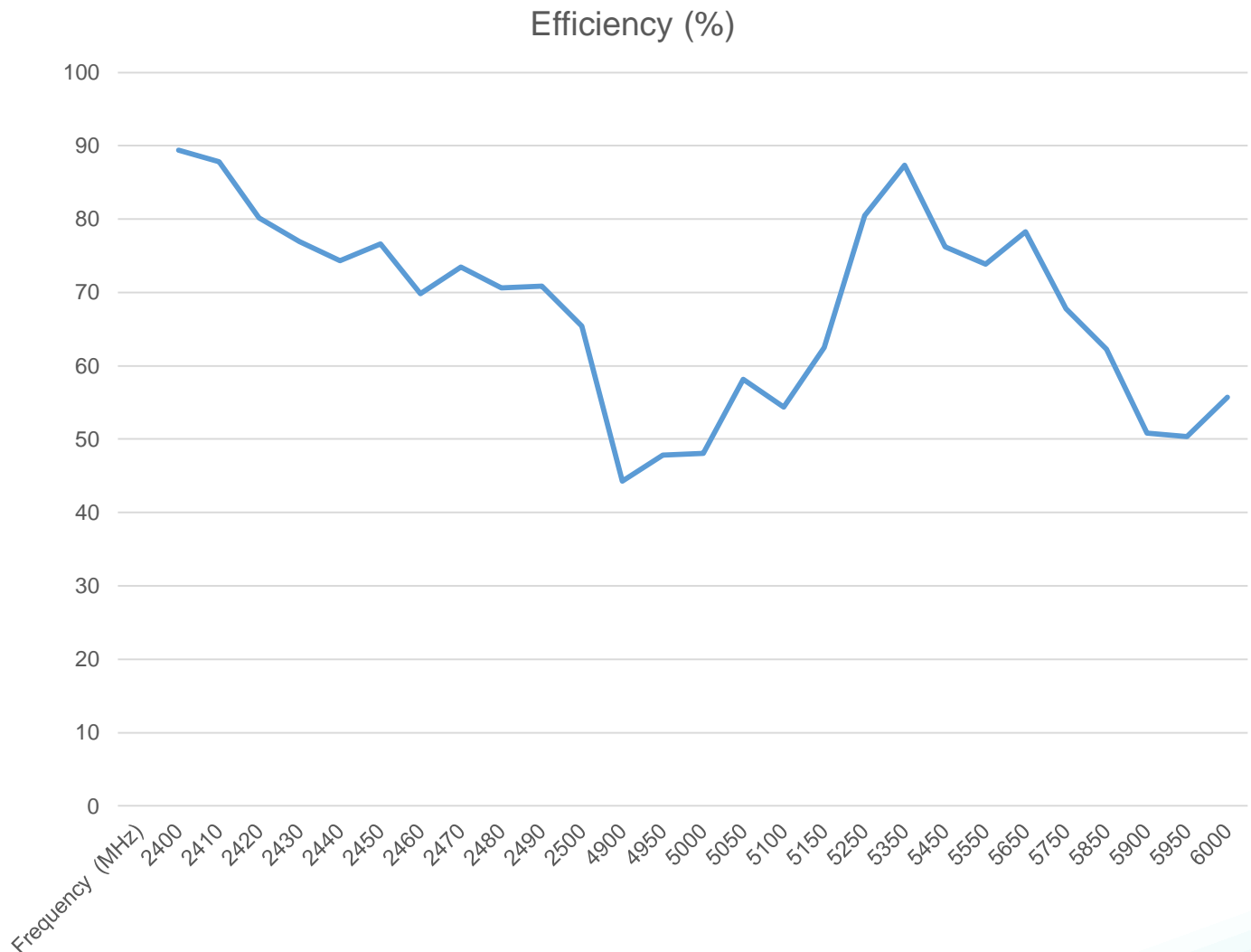
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## CHARTS

Efficiency(%)



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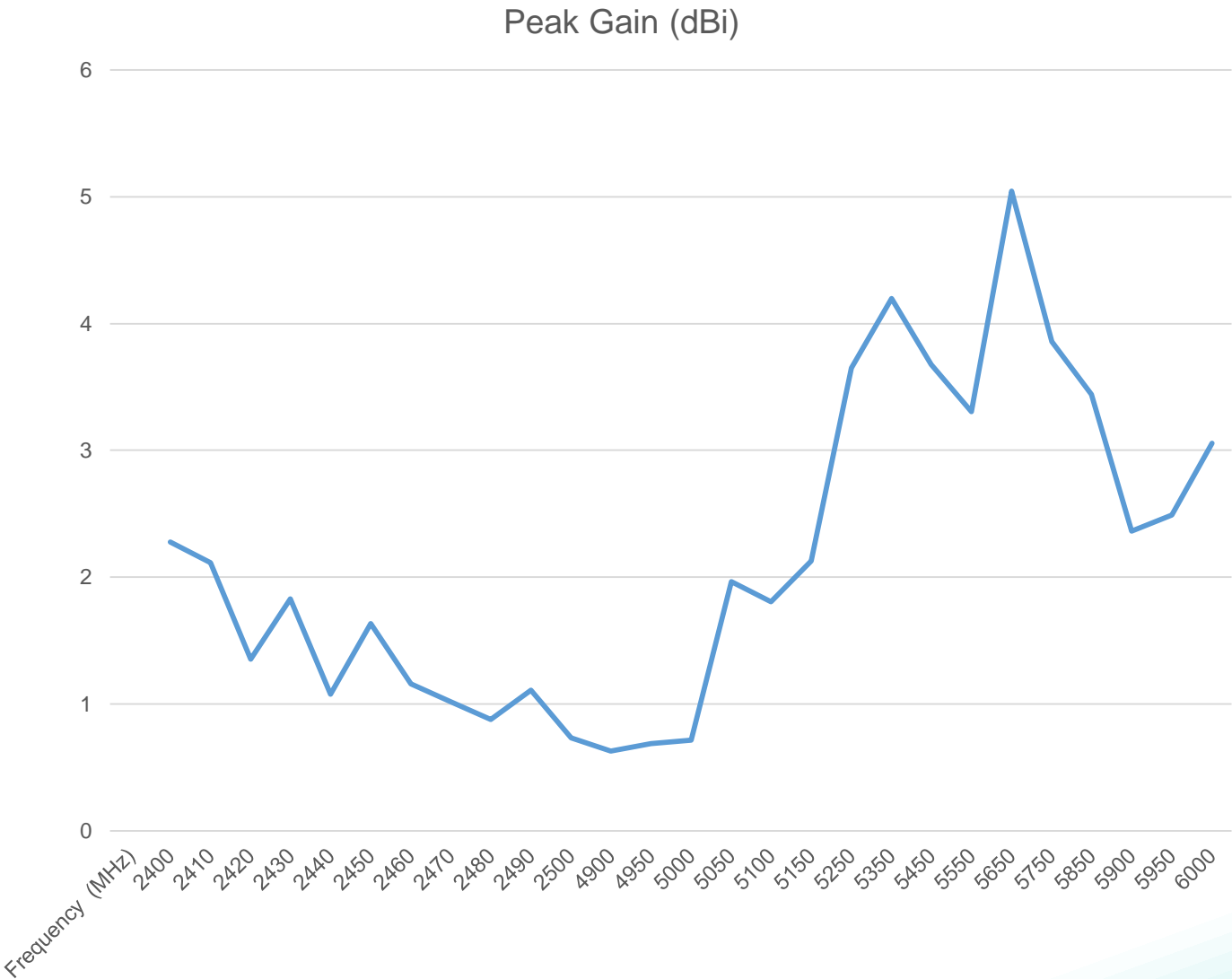
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CHARTS

Peak Gain (dBi)



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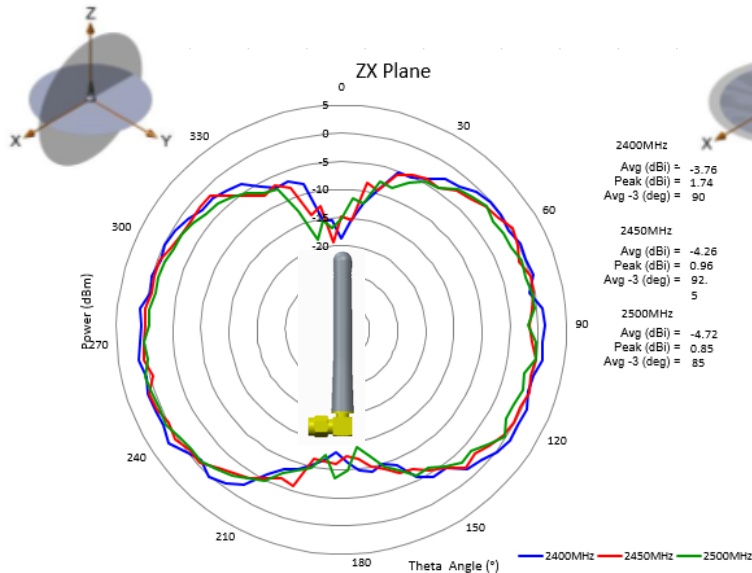
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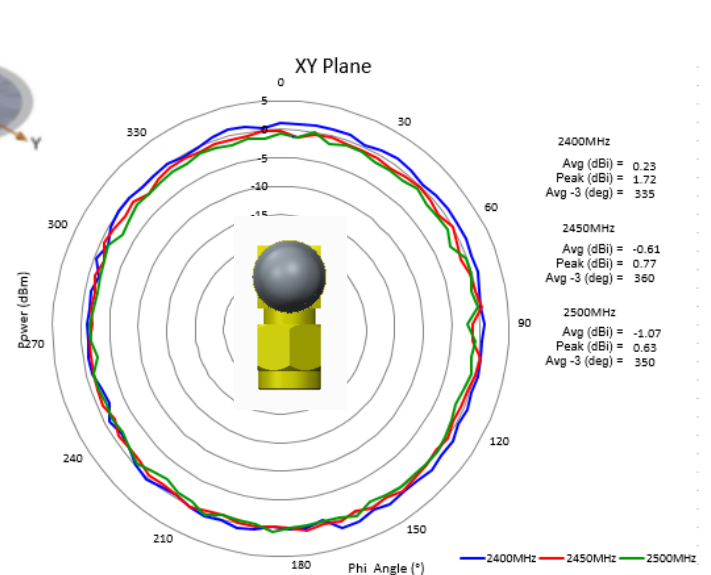
## CHARTS

### Free Space Radiation Pattern

#### Elevation Plane



#### Horizontal Plane



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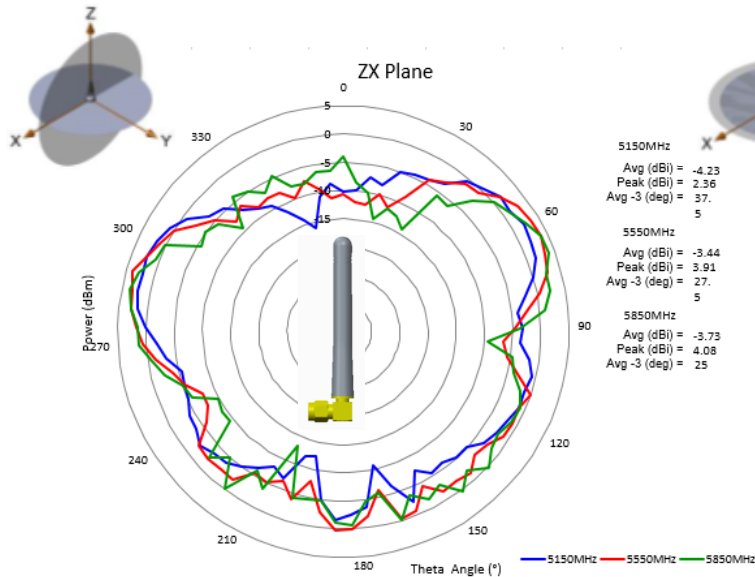
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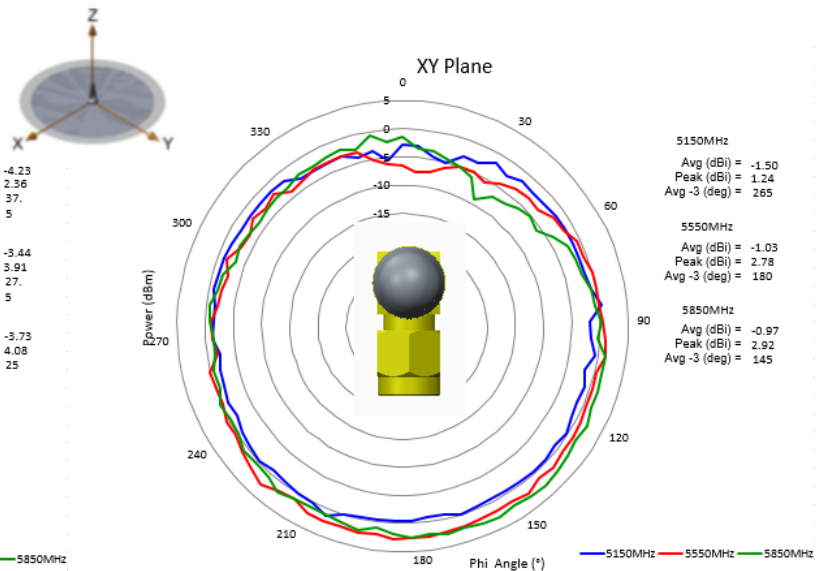
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## PACKAGING

Package 600 antenna into one box

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