



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Description: 2.4-2.5 / 5.15-5.925GHz Stick Antenna

Series: External Antenna

PART NUMBER: W5028X



Features:

- WiFi Dual-Band
- DSRC
- Multi banded 2.4/5GHz
- IP65
- P/N W5028:
 - R/A RP SMA 128.05mm
- P/N: W5028RPG:
 - RP SMA 130mm

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

Issue: 1651

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

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ELECTRICAL SPECIFICATIONS

Frequency	2.4-2.5GHz/5.15-5.925GHz	
Nominal Impedance	50Ω	
Return Loss		
	2.4-2.5GHz	<-10dB
	5.15-5.85GHz	<-4dB
	5.55GHz	<-10dB
Peak Gain		
	2.4-2.5GHz	1.9dBi +/-1 dB
	5.15-5.85GHz	3.8dBi +/-1dB
Radiation Pattern	Omni in Horizontal plane	
Polarization:	Vertical	
Power withstanding	1W	
Connector type		
	W5028	Right Angle RP SMA male
	W5028RPG	Straight RP SMA male

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MECHANICAL SPECIFICATIONS

Plastic radome		TPEE
Color		Black
IP Rate		IP65
Weight		
	W5028	16.65 g
	W5028RPG	12.6 g
Overall Length		
	W5028	128.05 mm
	W5028RPG	130 mm

ENVIRONMENTAL SPECIFICATIONS

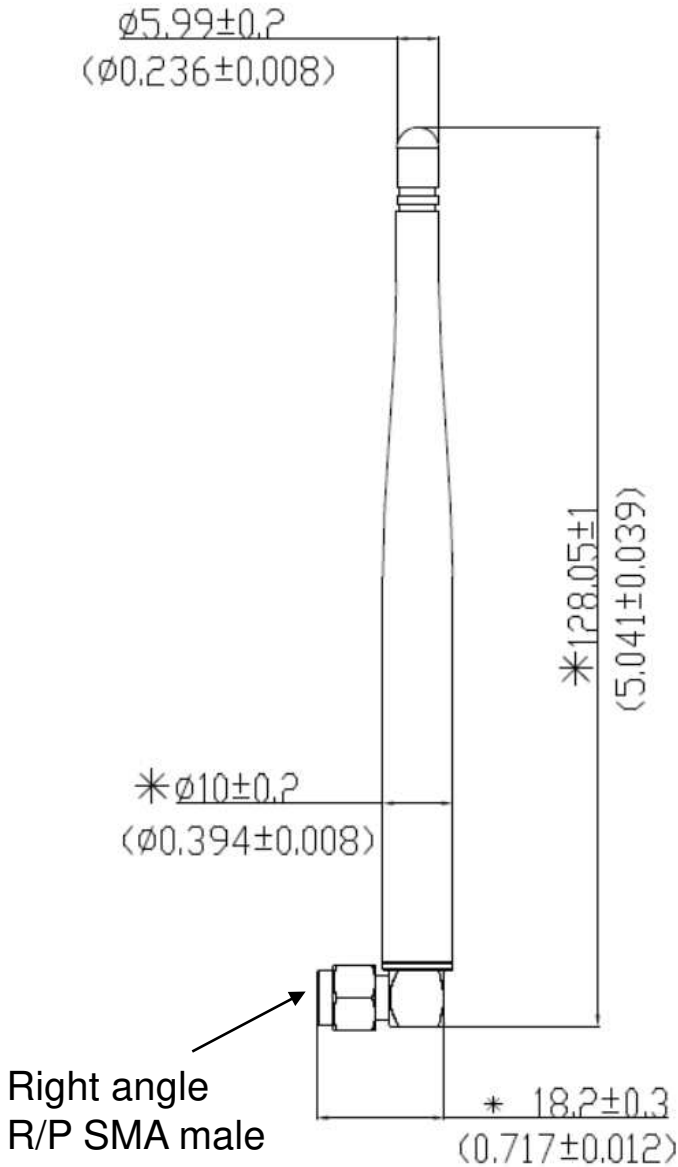
Operating temperature	-35/+80° C
Storage Temperature	-40/+85° C

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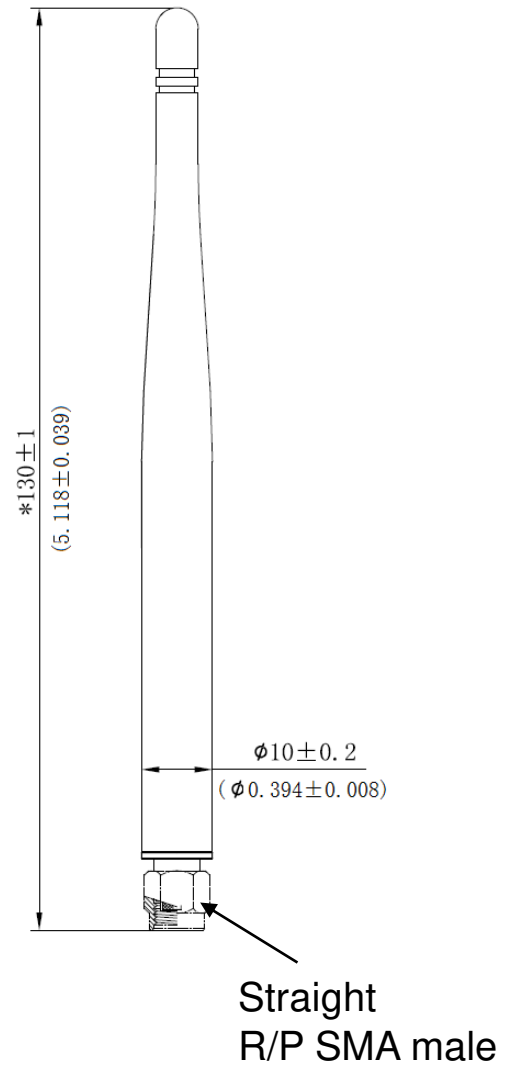
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MECHANICAL DRAWING



W5028



W5028RPG

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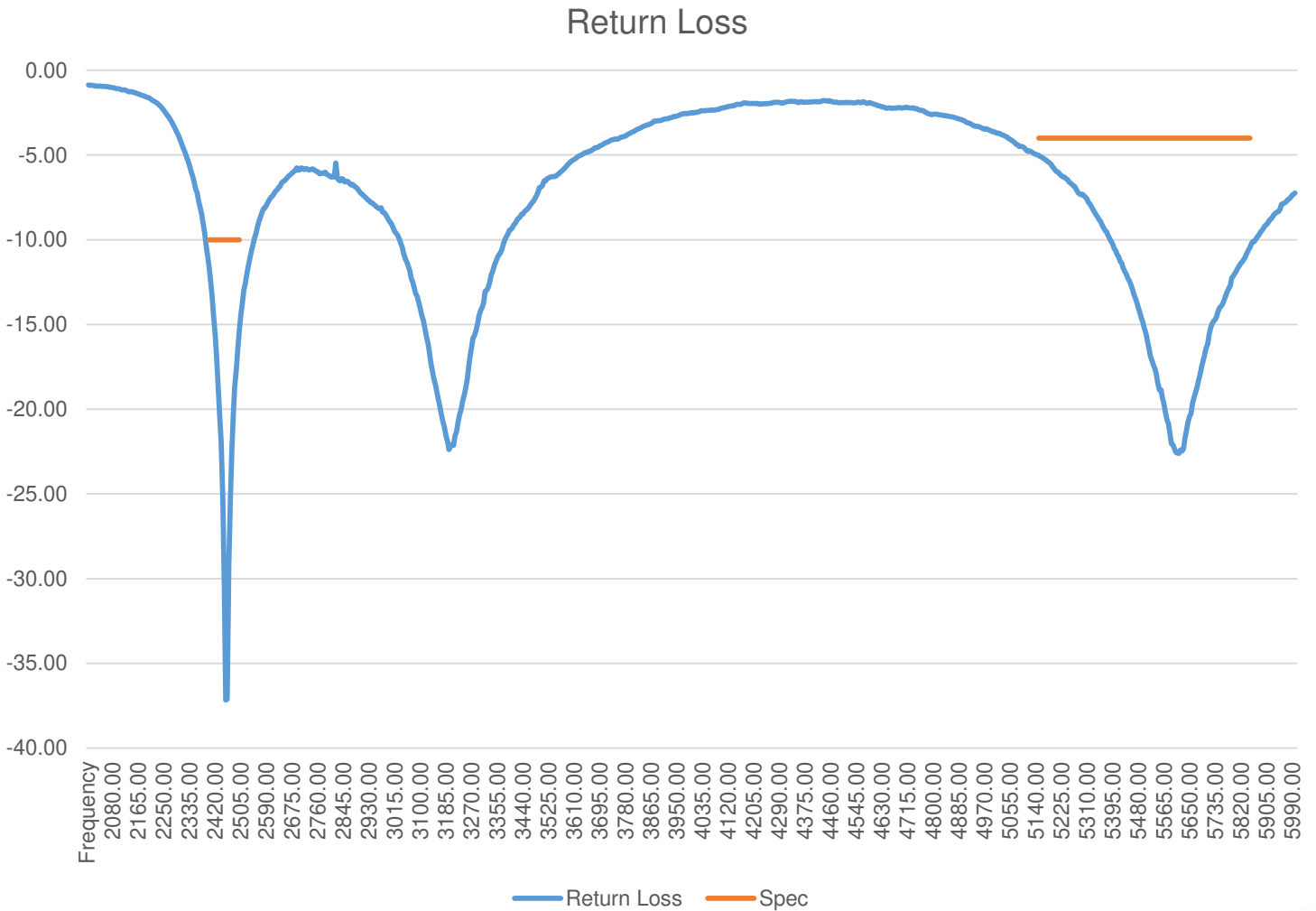
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CHARTS

Return Loss



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Description: 2.4-2.5 / 5.15-5.925GHz Stick Antenna

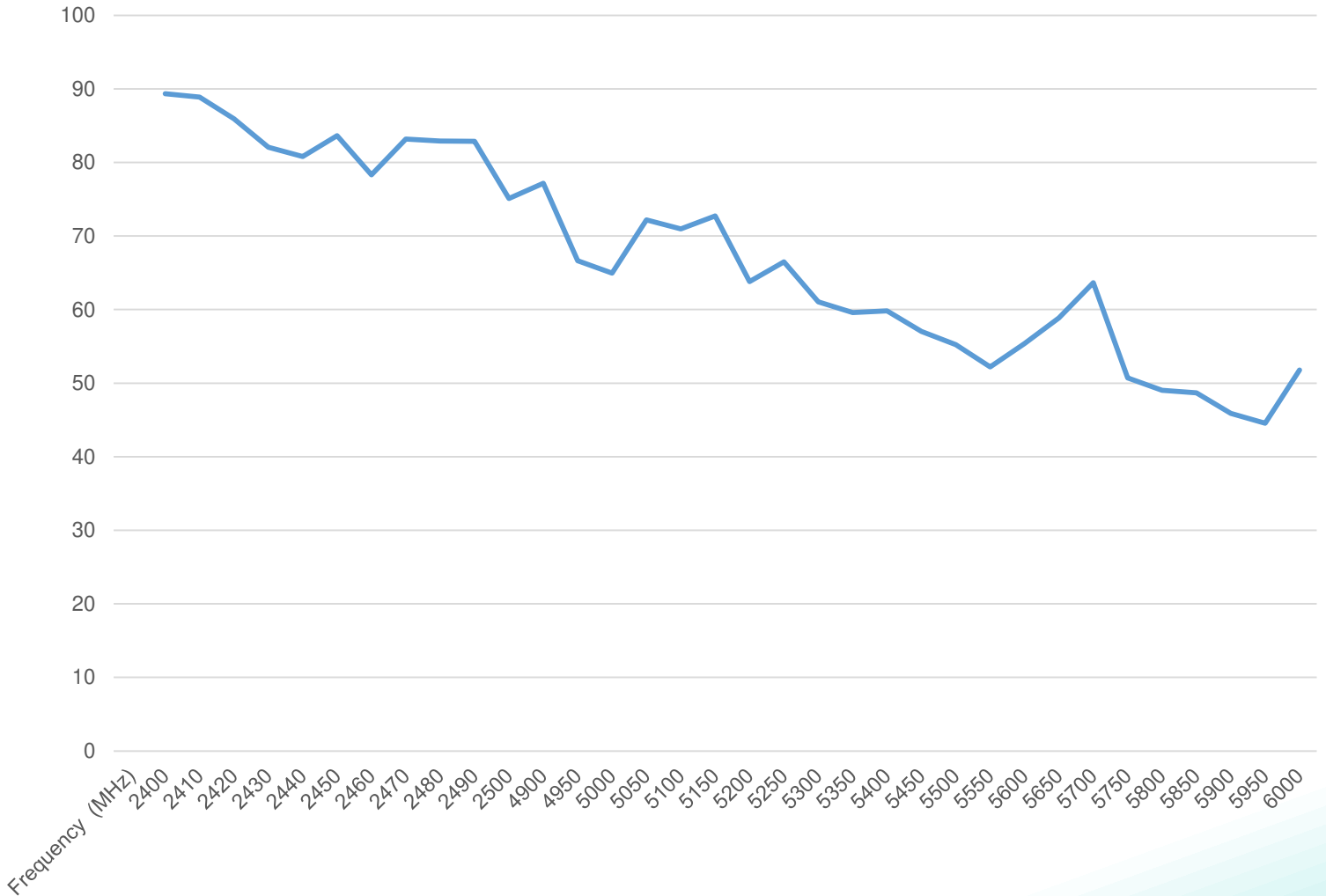
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CHARTS

Efficiency(%)

Efficiency (%)



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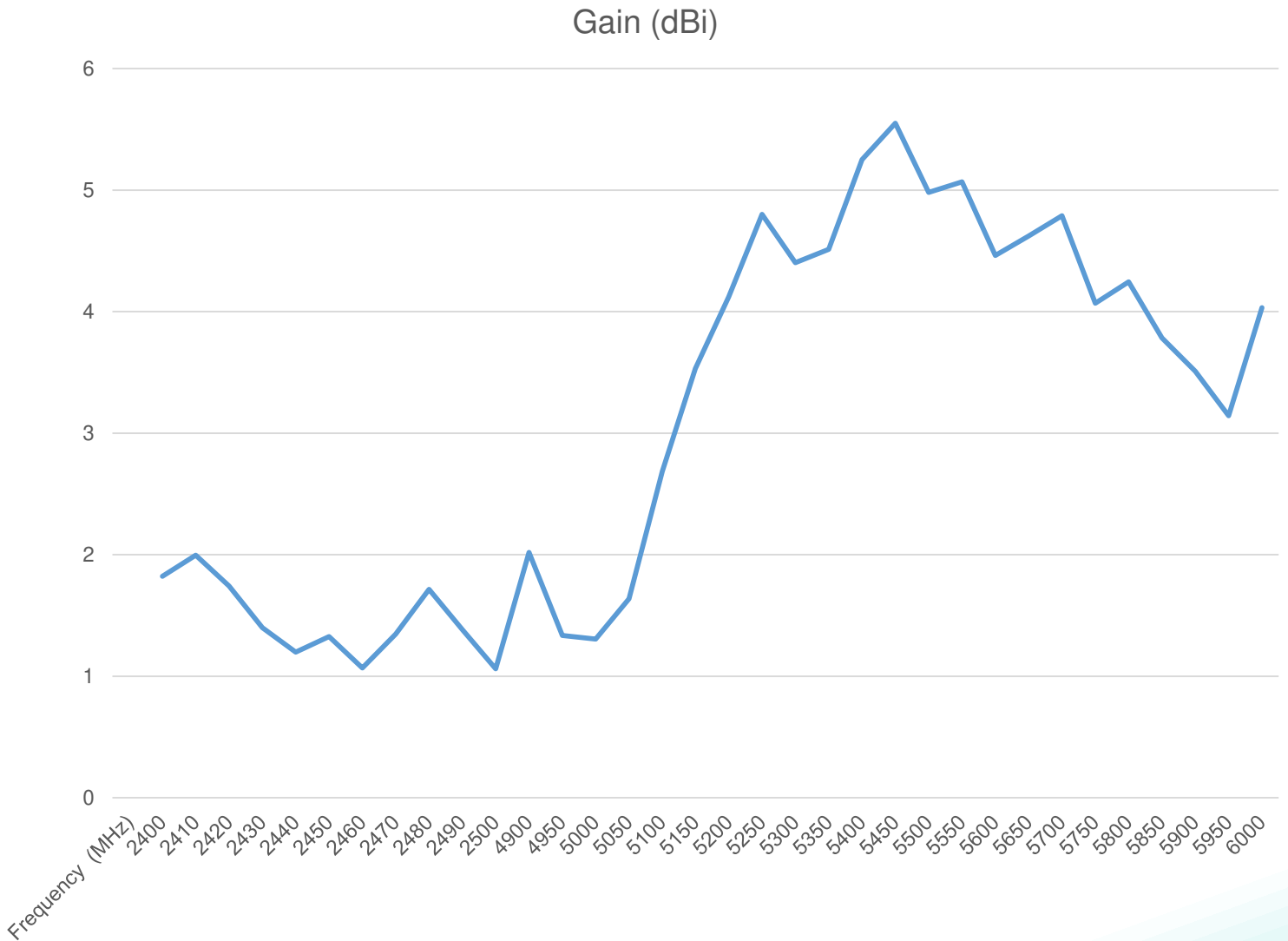
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CHARTS

Peak Gain (dBi)



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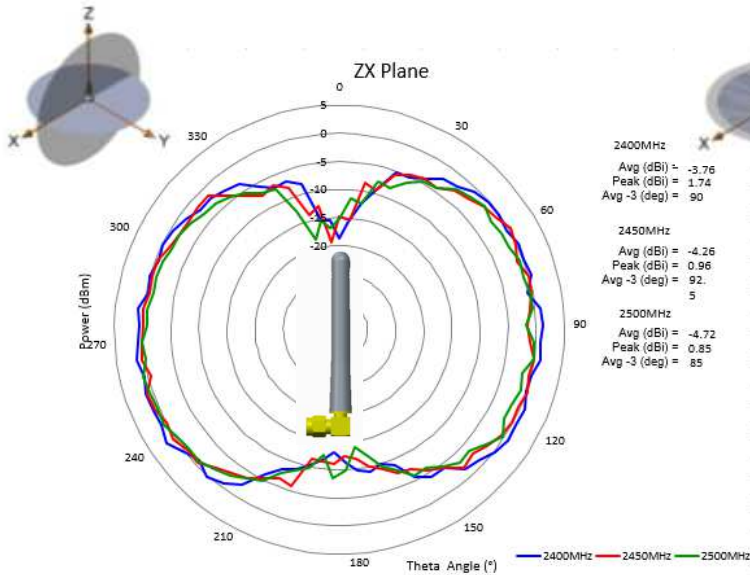
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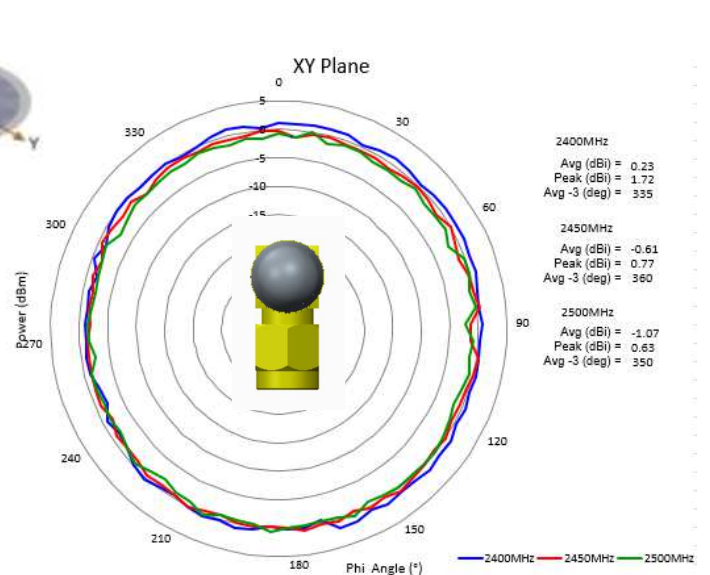
CHARTS

Free Space Radiation Pattern

Elevation Plane



Horizontal Plane



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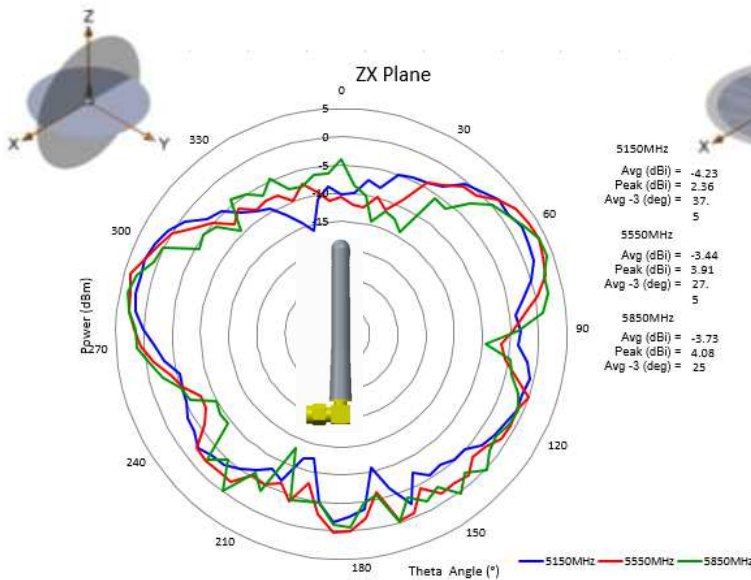
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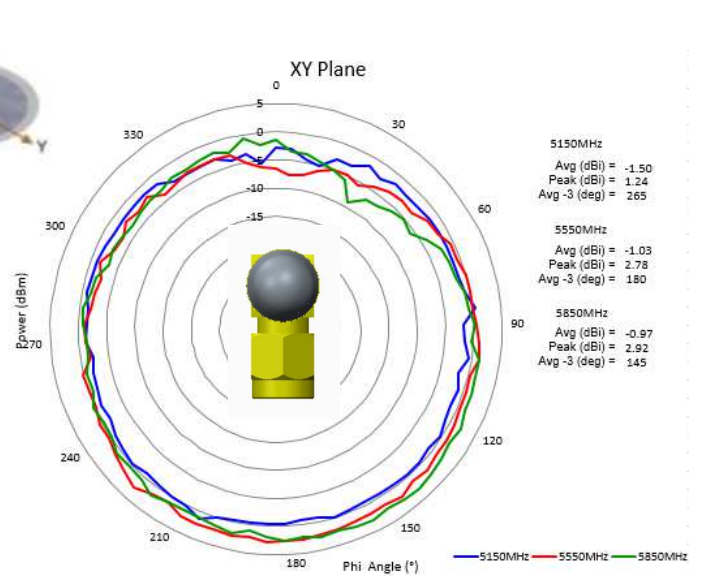
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PACKAGING

20PCS/Bullet PE bag
30 Bullet PE bag/ Carton box
Total 600PCS antenna/ Carton box

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