

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

Series: External Antenna

PART NUMBER: W5029X



Features:

- WiFi Dual-Band
- DSRC
- Multi band 2.4-2.5/5.15-5.925GHz
- IP65
- P/N: W5029
R/A RP SMA Male, length 78mm
- P/N: W5029RPG/W5029RPGT
RP SMA Male. length 76mm

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: 1718

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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 2.3dBi +/-1 dB 5.15-5.85GHz 5dBi +/-1dB 5.925GHz 3dBi +/-1dB
Radiation Pattern	Omni in Horizontal plane
Polarization:	Vertical
Power withstanding	1W
Connector type	
W5029	Right Angle RP SMA male
W5029RPG	Straight RP SMA Male (Gold plating)
W5029RPGT	Straight RP SMA Male (Nickel plating)

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MECHANICAL SPECIFICATIONS

Plastic radome		TPEE
Color		Black
Weight		
	W5029	11.36 g
	W5029RPG	7.82 g
	W5029RPGT	7.82 g
Overall Length		
	W5029	78 mm
	W5029RPG	76 mm
	W5029RPGT	76 mm
IP Rate		IP65

ENVIRONMENTAL SPECIFICATIONS

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

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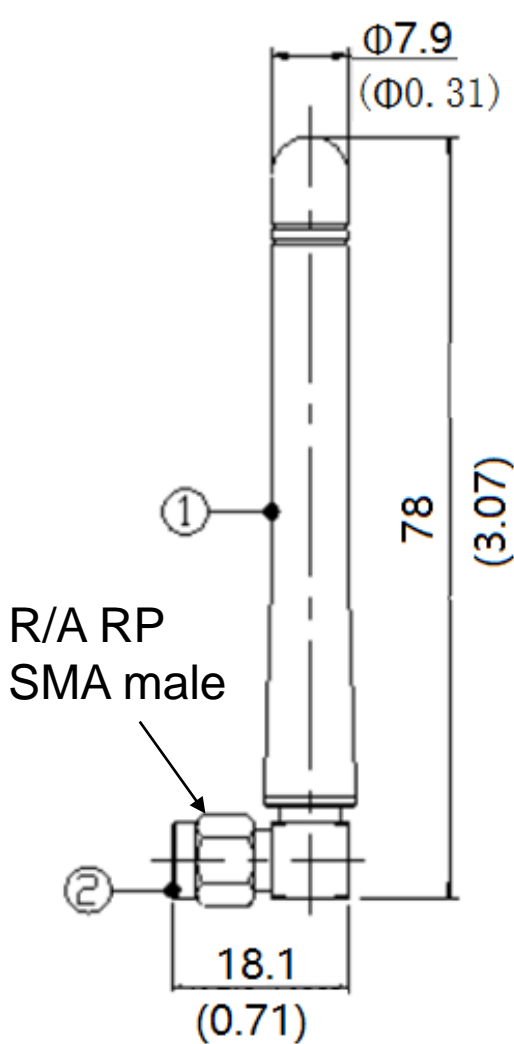
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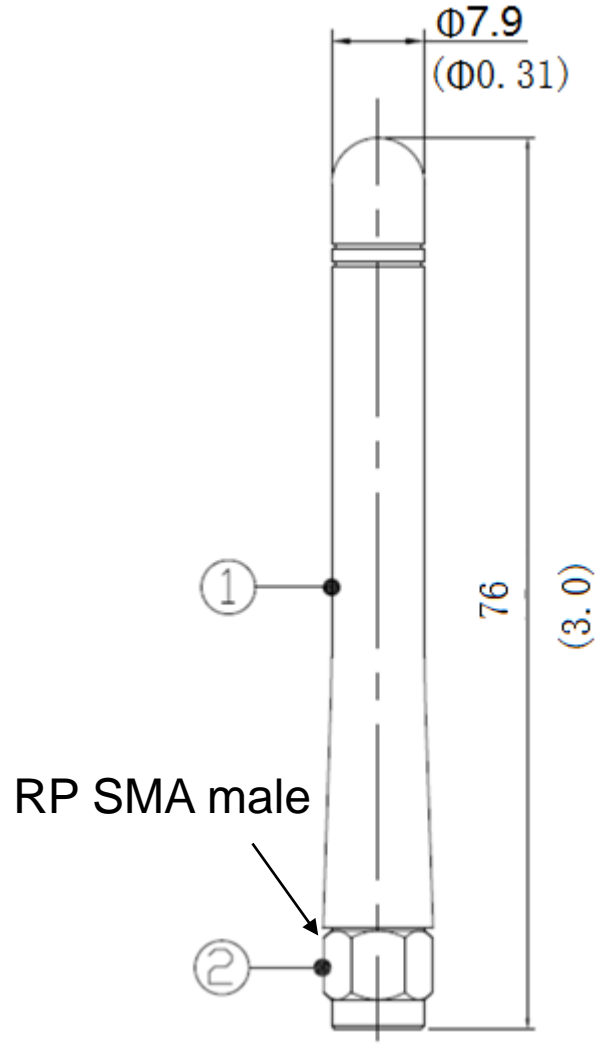
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MECHANICAL DRAWING



W5029



W5029RPG/W5029RPGT

- 1, Dimension show as mm (inch)
- 2, Item 1 is tube, and item 2 is connector

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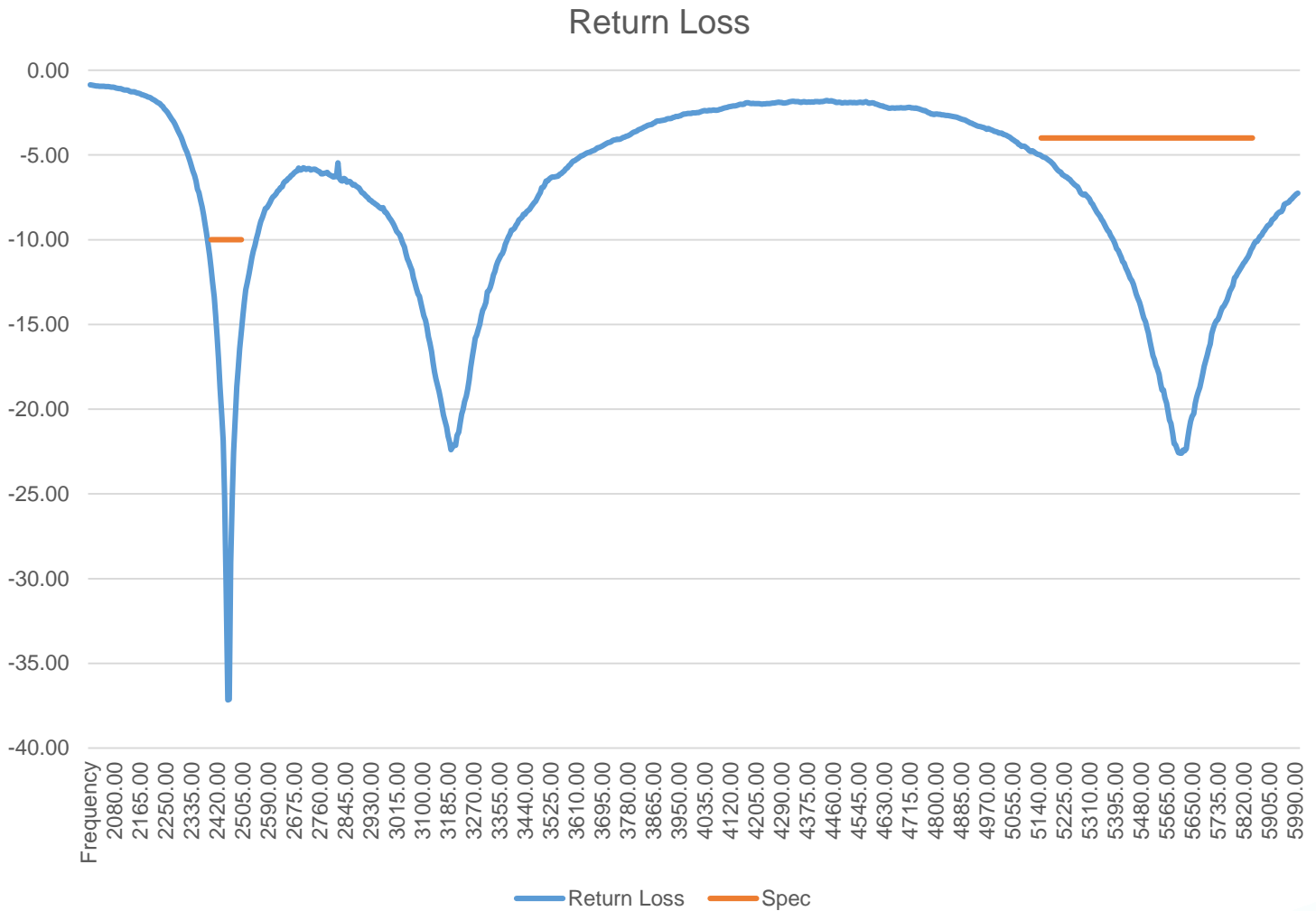
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CHARTS

Return Loss



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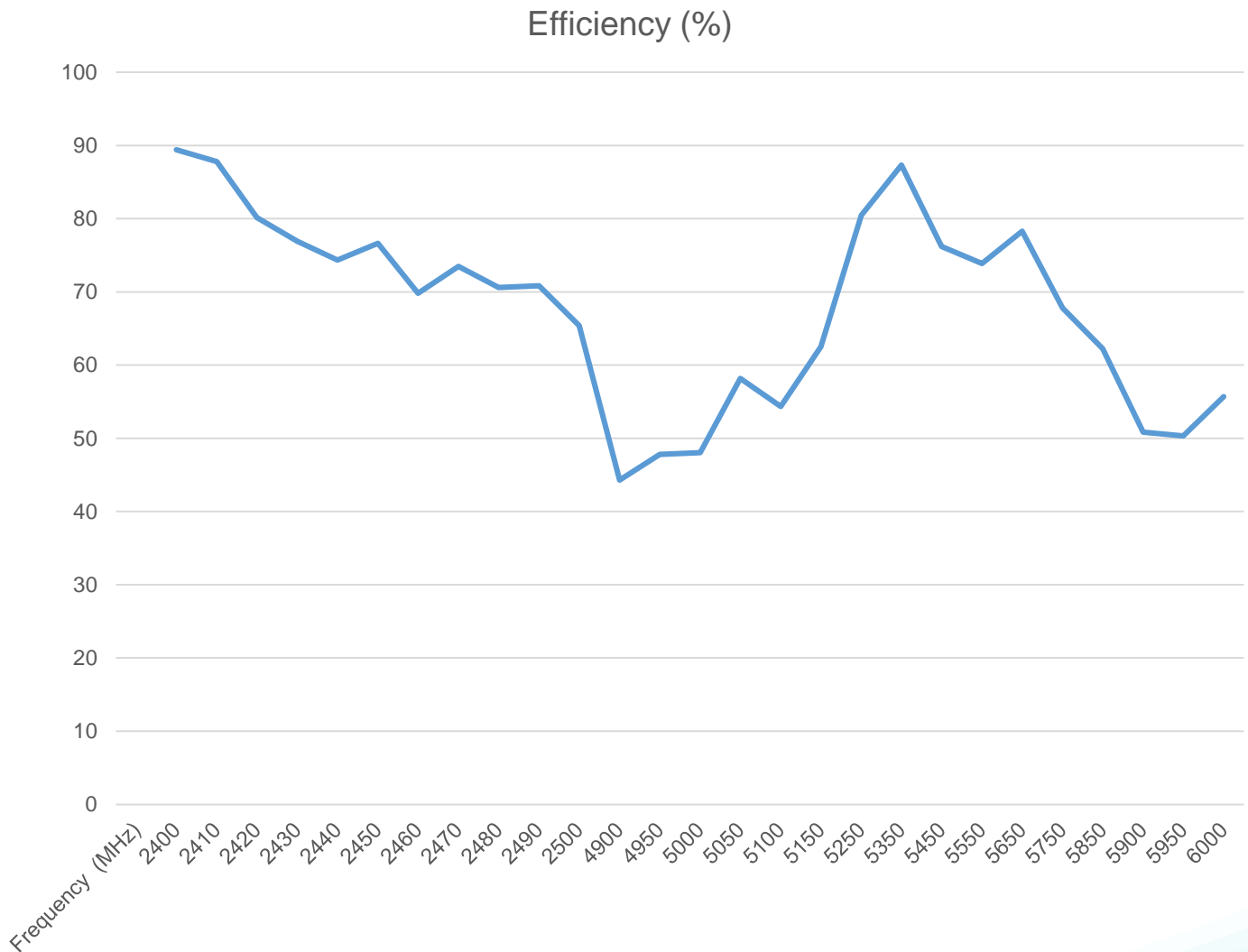
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CHARTS

Efficiency(%)



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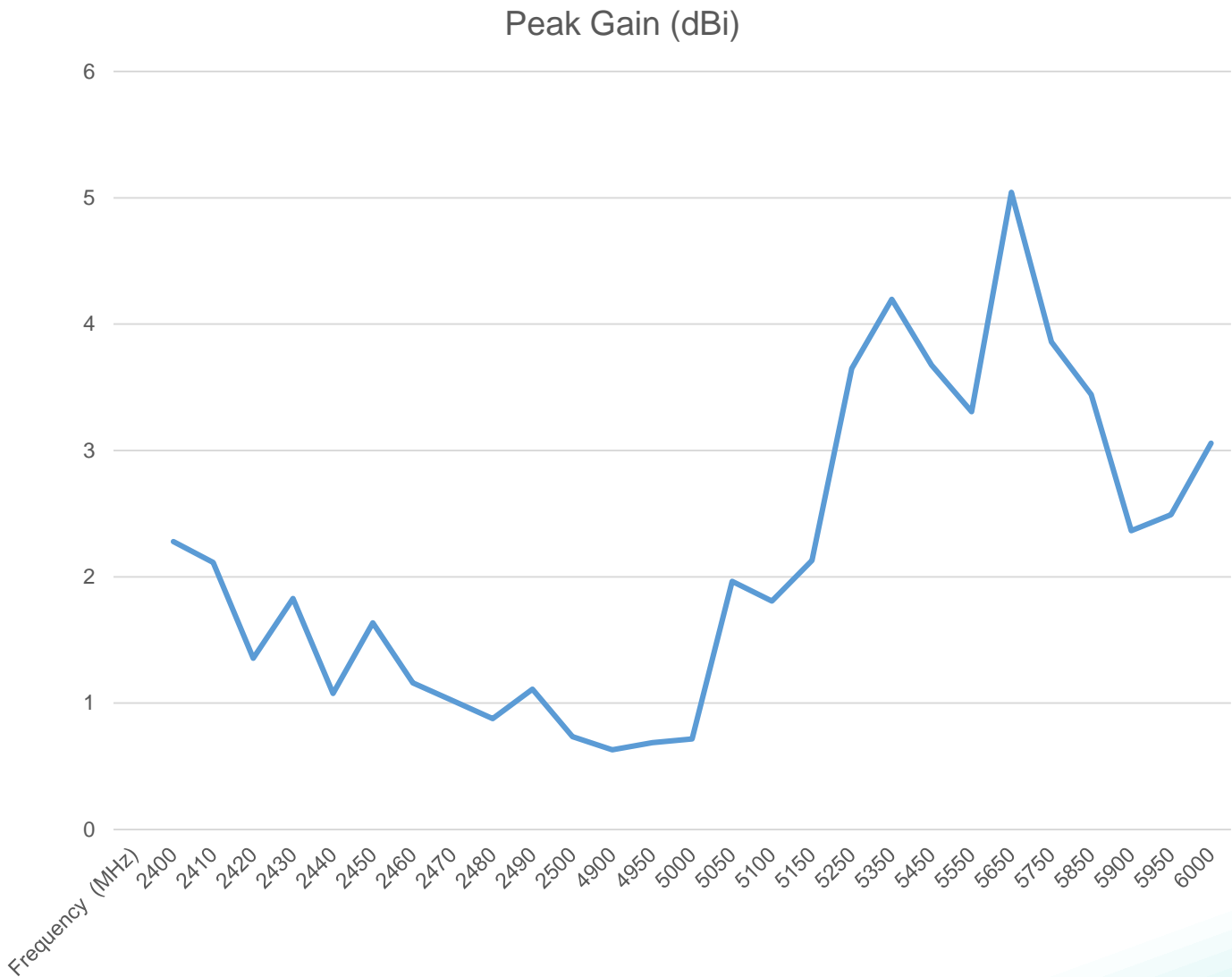
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CHARTS

Peak Gain (dBi)



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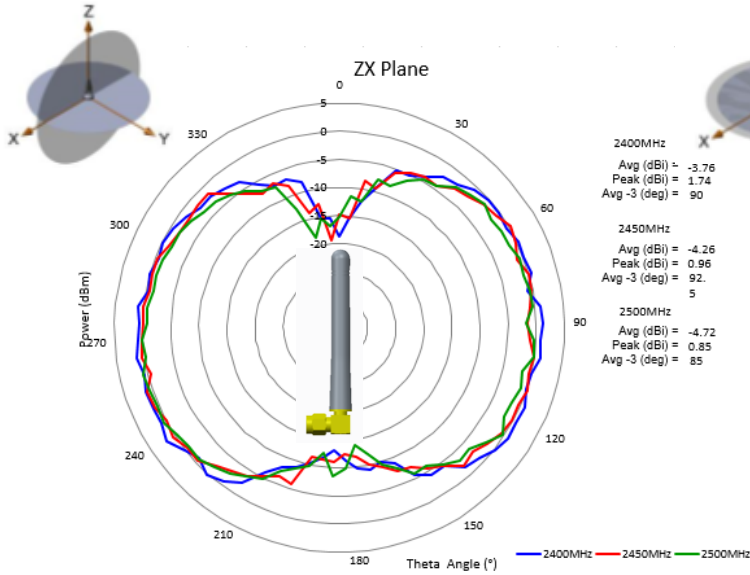
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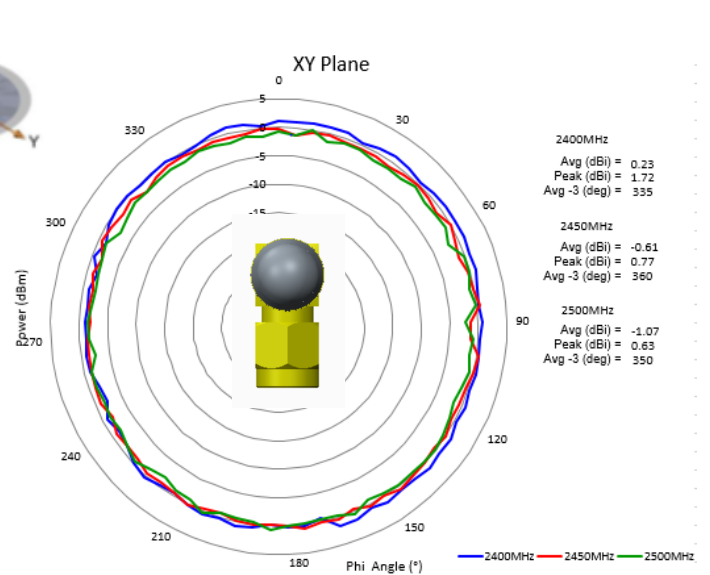
CHARTS

Free Space Radiation Pattern

Elevation Plane



Horizontal Plane



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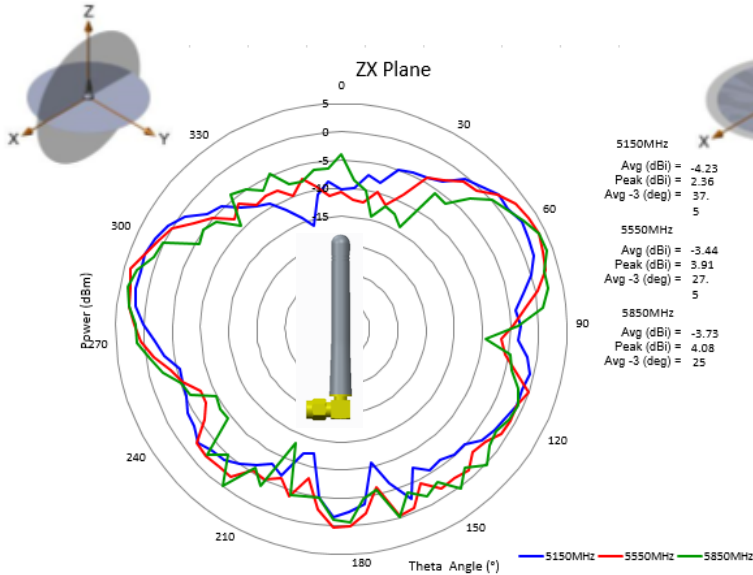
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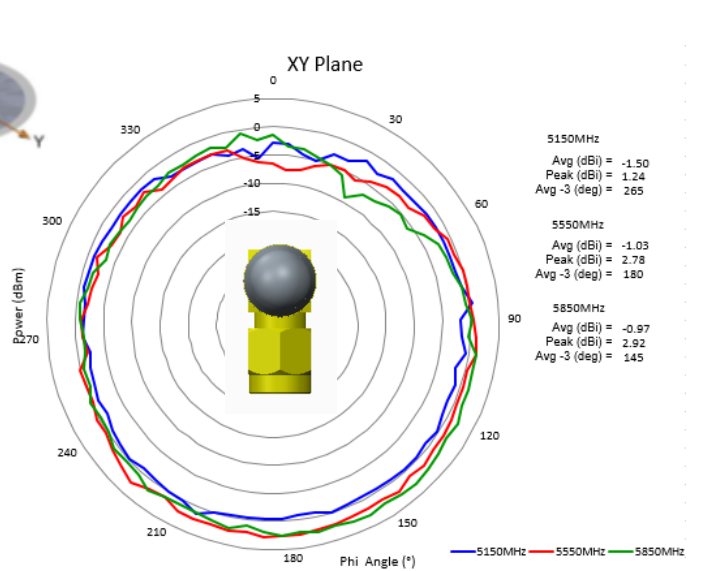
CHARTS

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PACKAGING

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

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