

**Description:** Outdoor IP67 Dual WiFi / DSRC, Standard SMA 90deg Swivel

**Series:** Stick Antenna

**PART NUMBER:** W5097

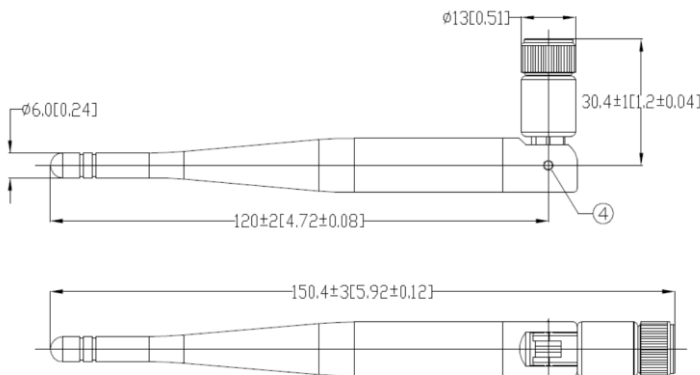


**Features:**

- Dual band WiFi Stick antenna
- Omni directional for 360° horizontal plane coverage
- RoHS Compliant
- Covers 2.4 GHz and 5-6GHz
- DSRC 5.9GHz
- IP67
- SMA Male Swivel connector

**Applications:**

- WLAN devices using WiFi (802.11a/b/g), Bluetooth and ZigBee
- V2X DSRC communication
- In-building wireless access points (AP)
- Replacements for wireless routers
- Economical solution for OEMs with dual-band wireless devices.



All dimensions are in mm / inches

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## ELECTRICAL SPECIFICATIONS

Frequency	2400-2500MHz & 5150-6000MHz
Nominal Impedance	50Ω
VSWR	2.0 Max
Peak Gain (2400-2500MHz)	2.2dBi
Peak Gain (5150-6000MHz)	3.5dBi
Average efficiency(2400-2500MHz)	65%
Average efficiency(5150-6000MHz)	70%
Polarization:	linear

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### MECHANICAL SPECIFICATIONS

Antenna body	TPEE
Color	black
Ingress Protection	IP67
Weight	17.2 g
Overall Length	3.92 INCHES
Connector type	SMA male

### ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40/+85 ° C
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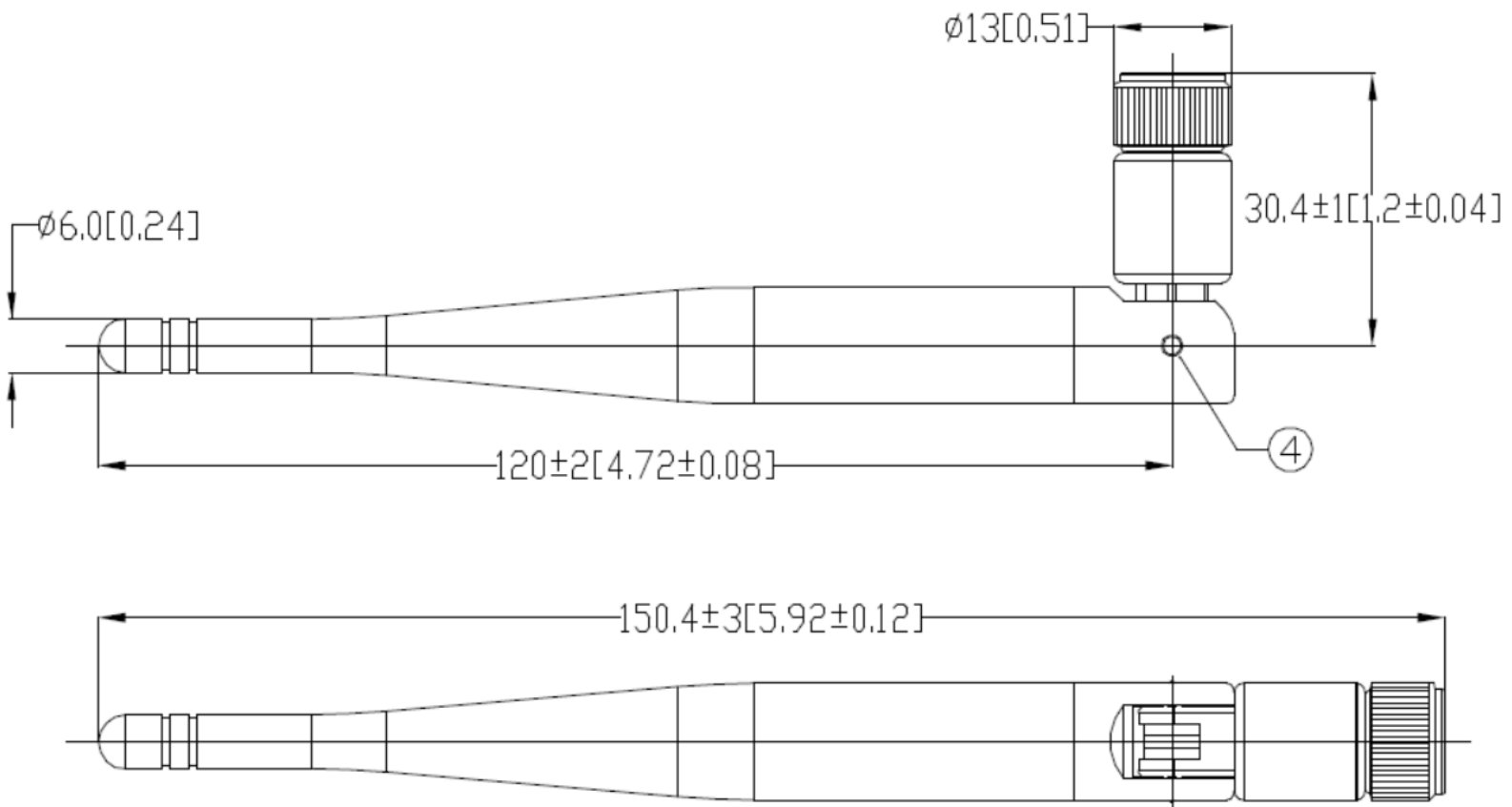
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**MECHANICAL DRAWING**



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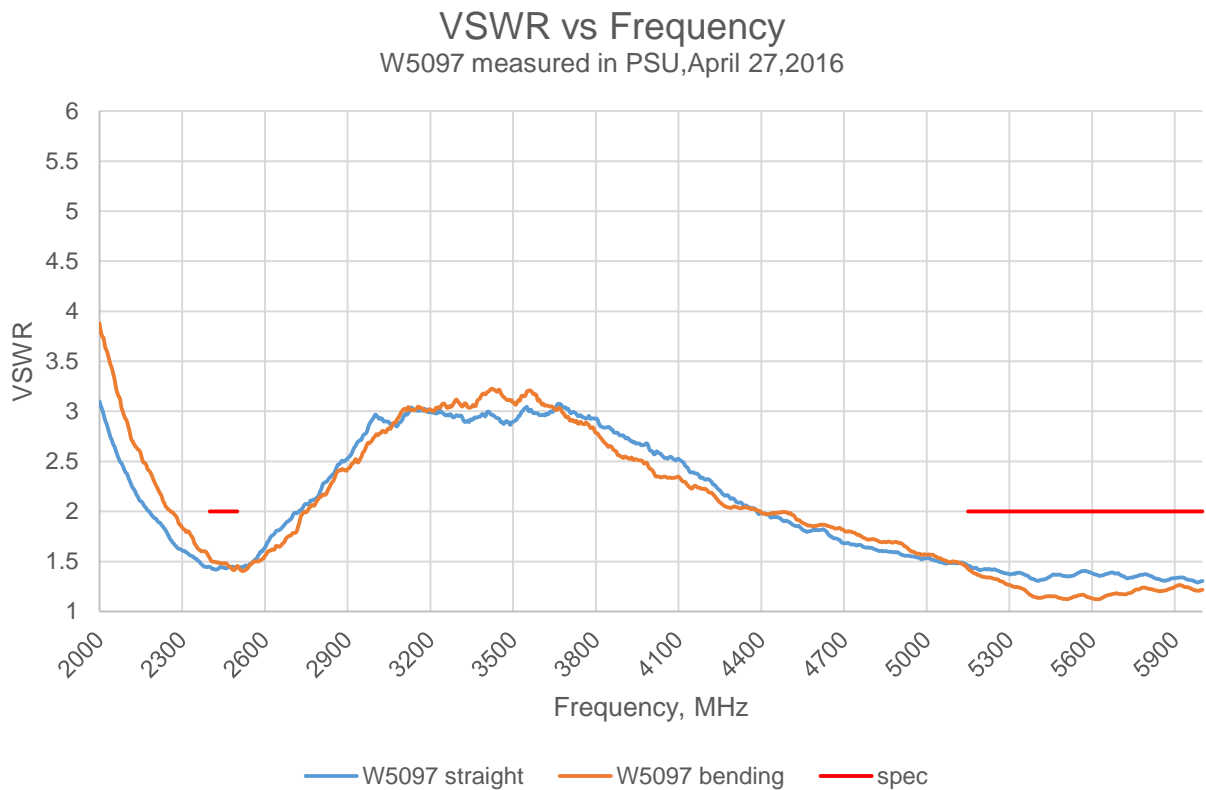
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**CHARTS**

**VSWR measured in free space**



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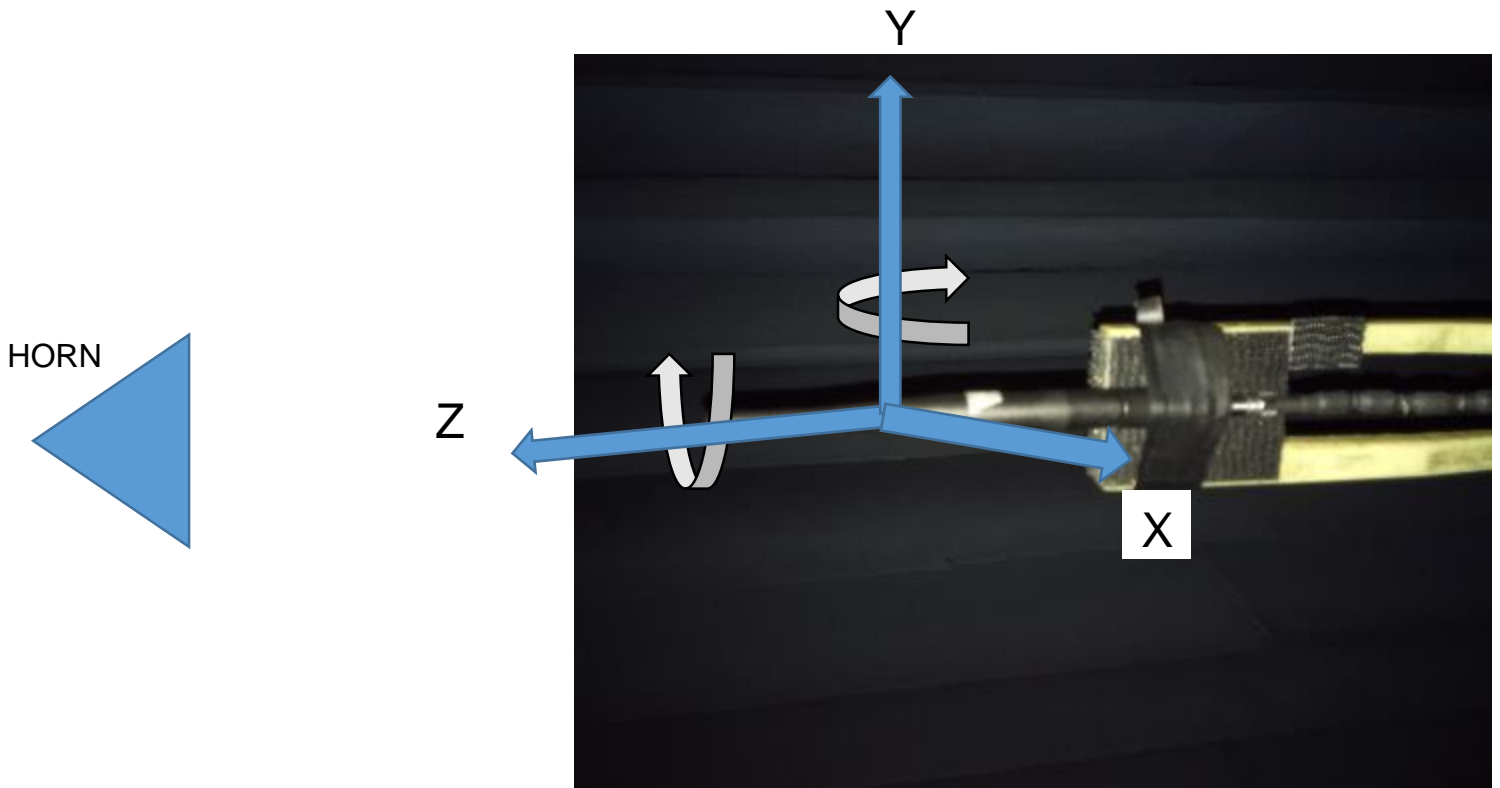
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**CHARTS**

Chamber set up



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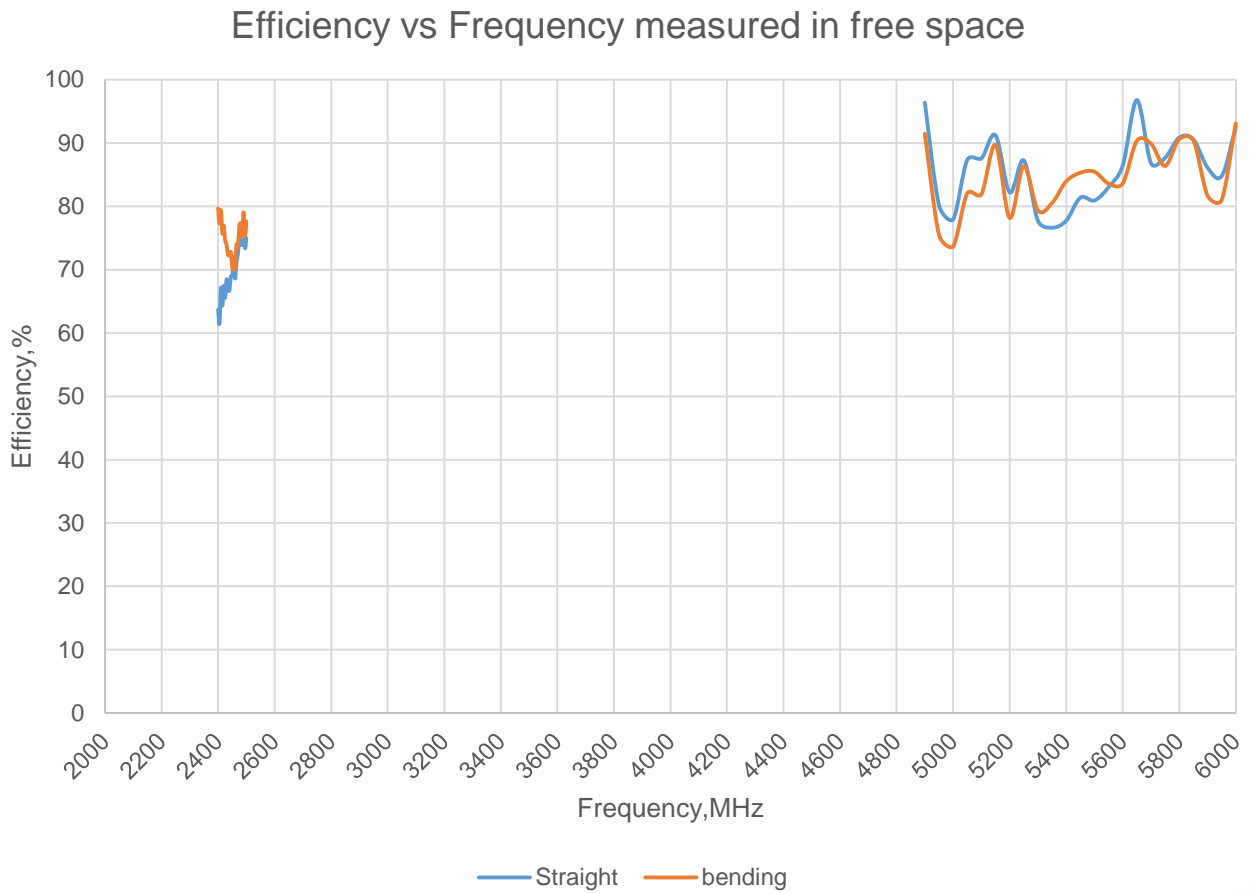
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Efficiency measured in free space



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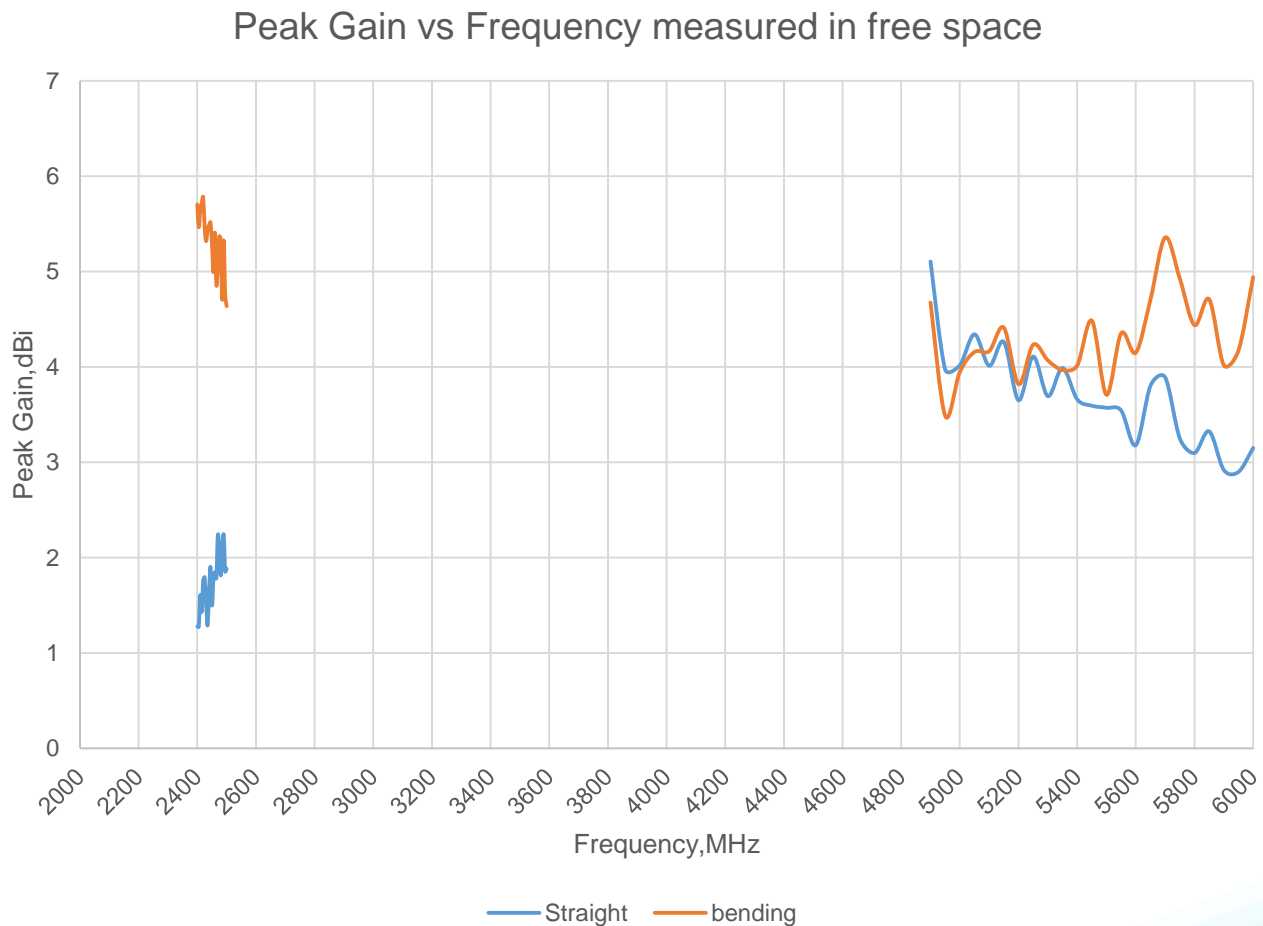
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**CHARTS**

Peak Gain measured in free space



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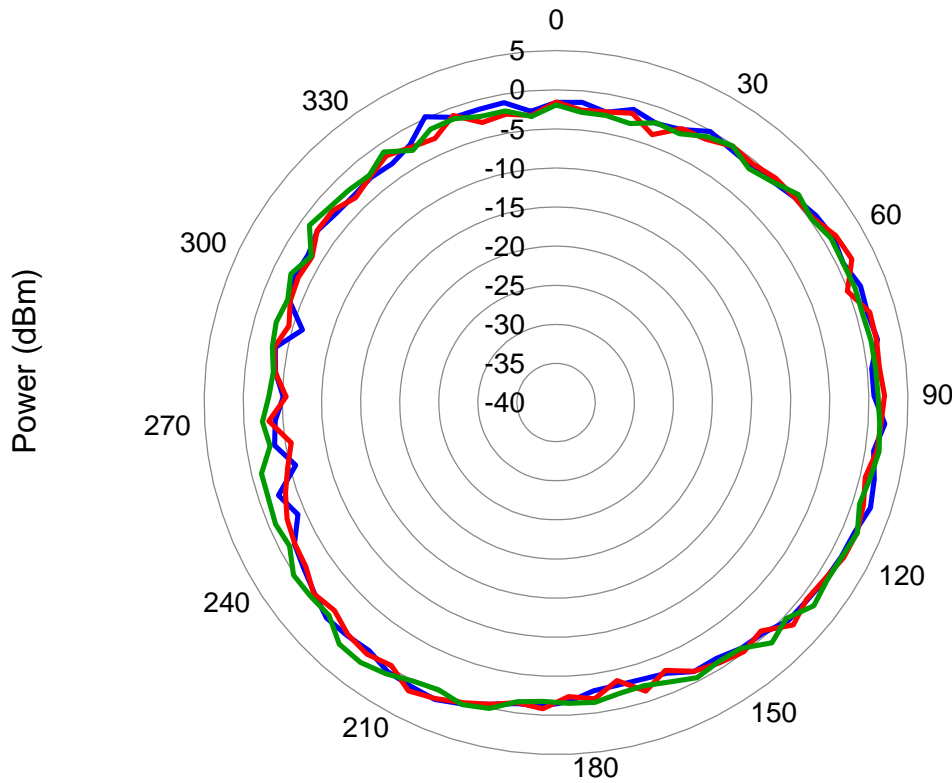
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**CHARTS**

Gain Plots

XY Plane



2400MHz	Avg (dBi) = -4.07
	Peak (dBi) = -2.05
	Avg -3 (deg) = 28
	5
2450MHz	Avg (dBi) = -3.89
	Peak (dBi) = -1.39
	Avg -3 (deg) = 26
	5
2480MHz	Avg (dBi) = -3.32
	Peak (dBi) = -1.32
	Avg -3 (deg) = 26
	5

— 2400MHz — 2450MHz  
— 2480MHz

Phi Angle

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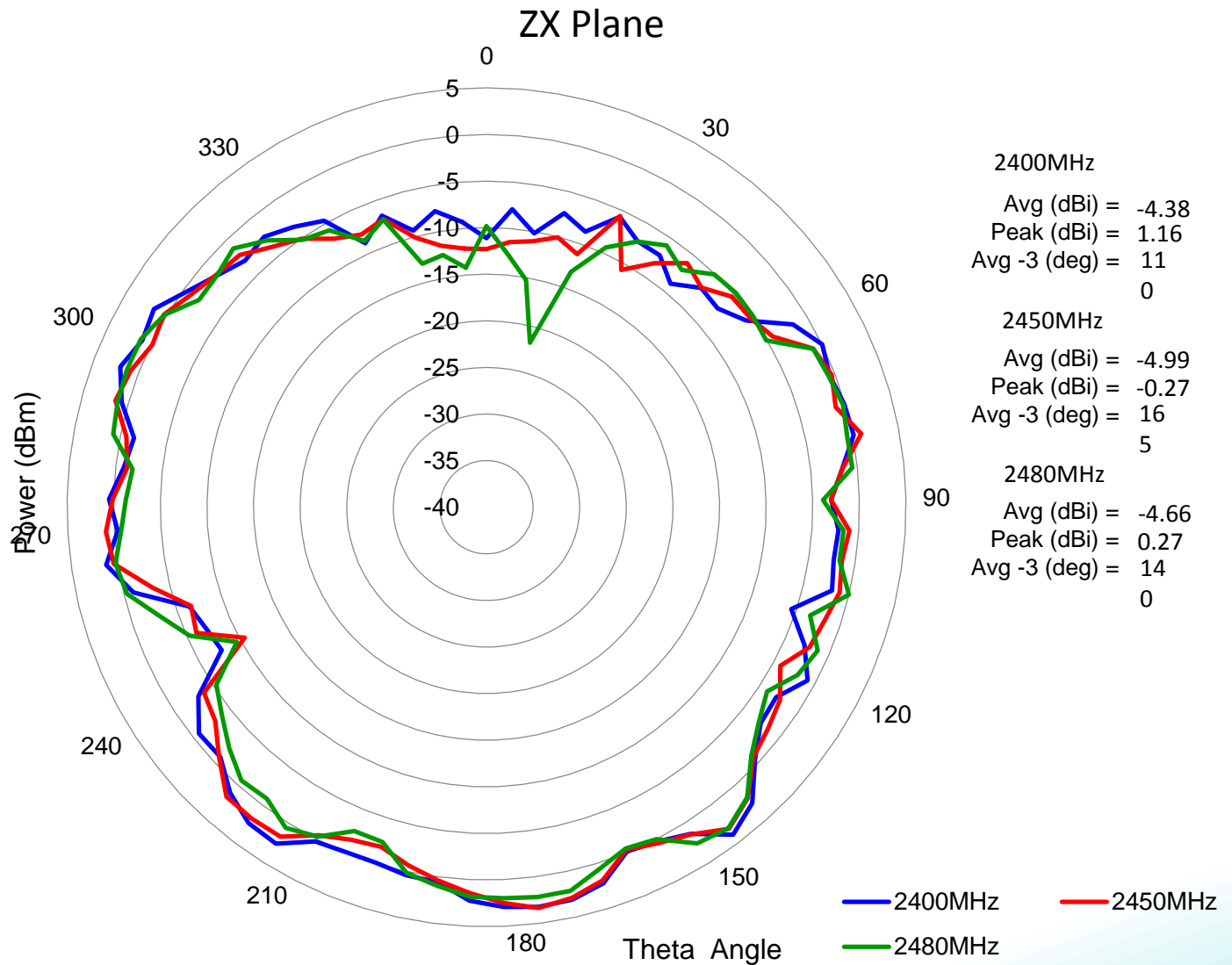
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Gain Plots



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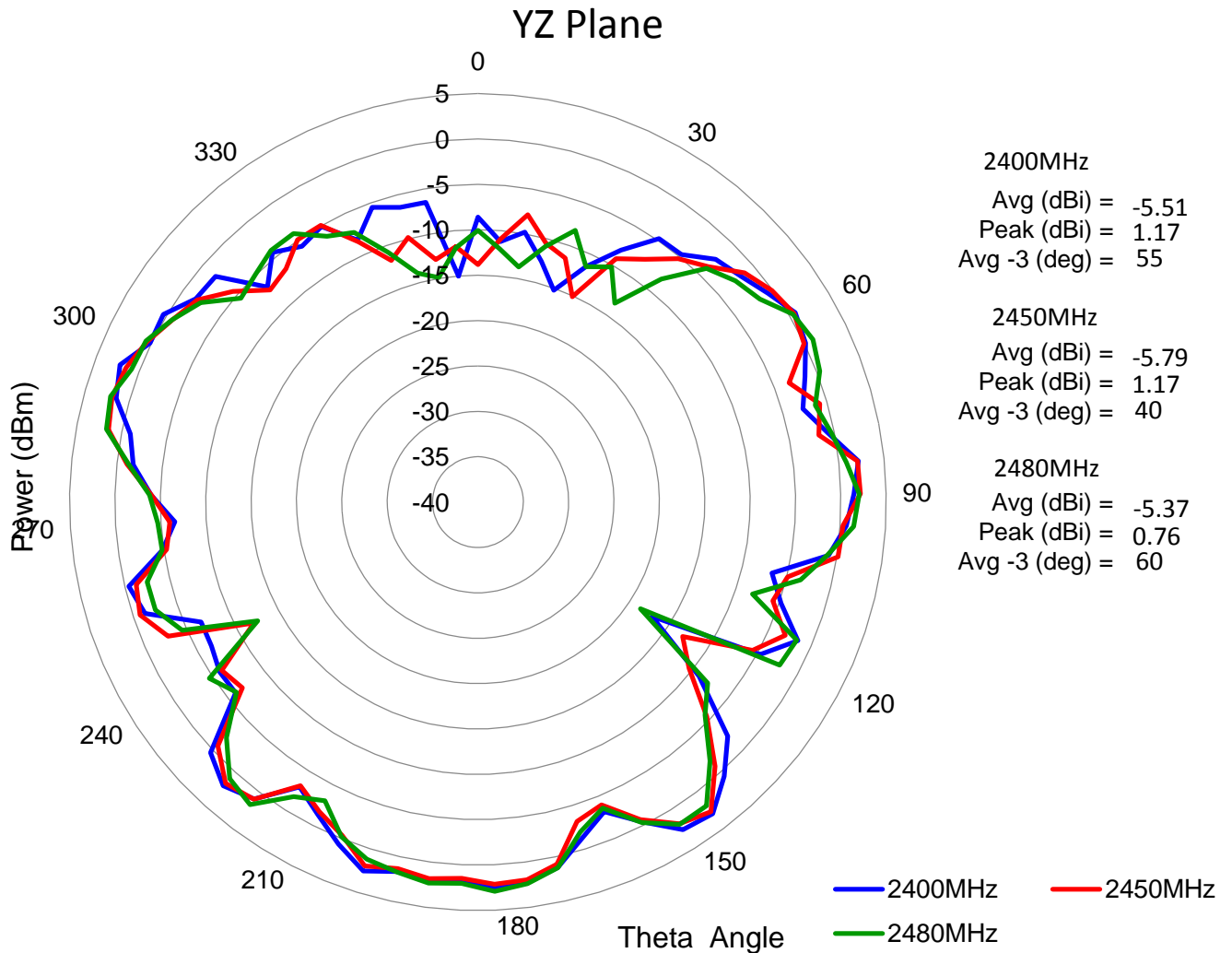
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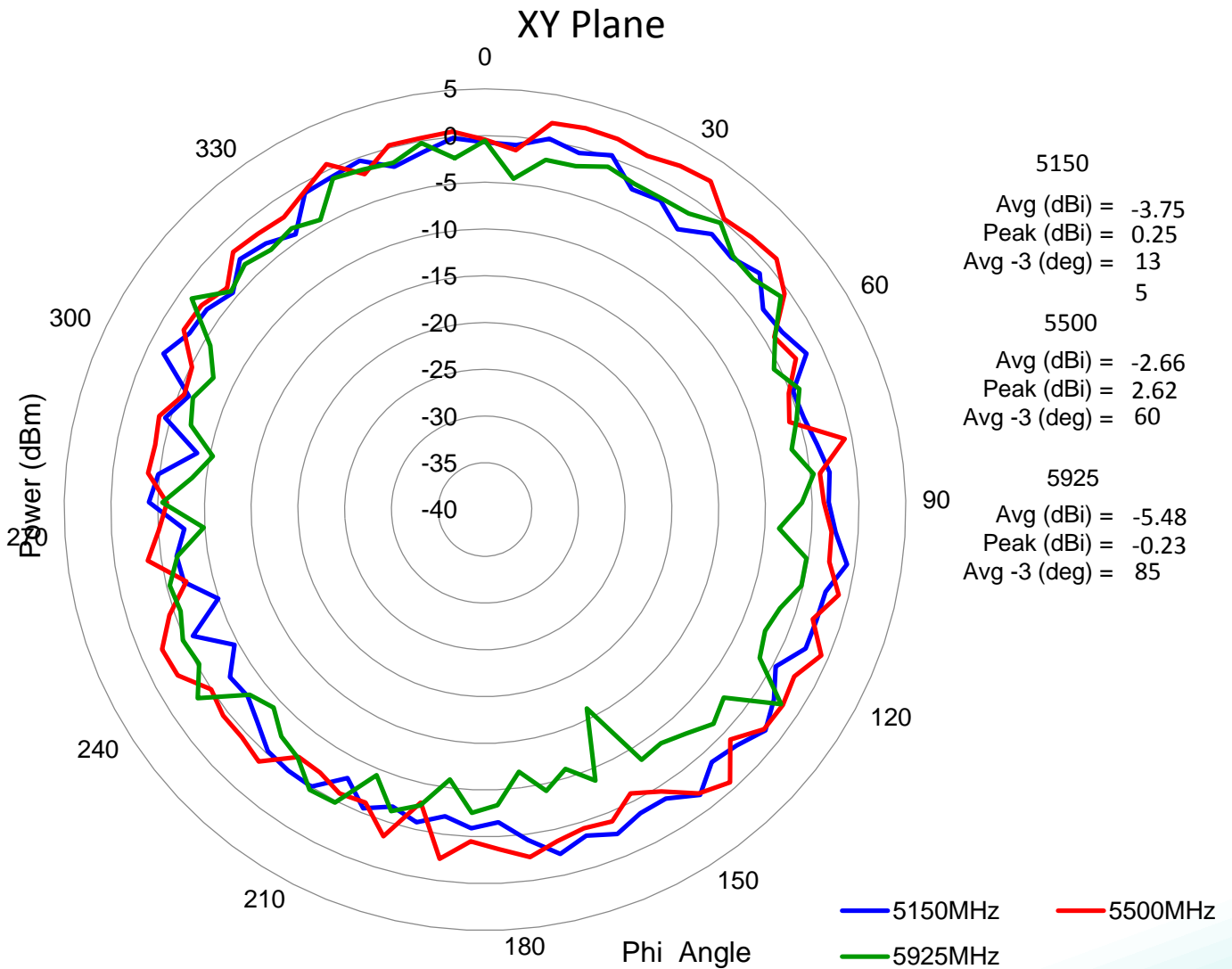
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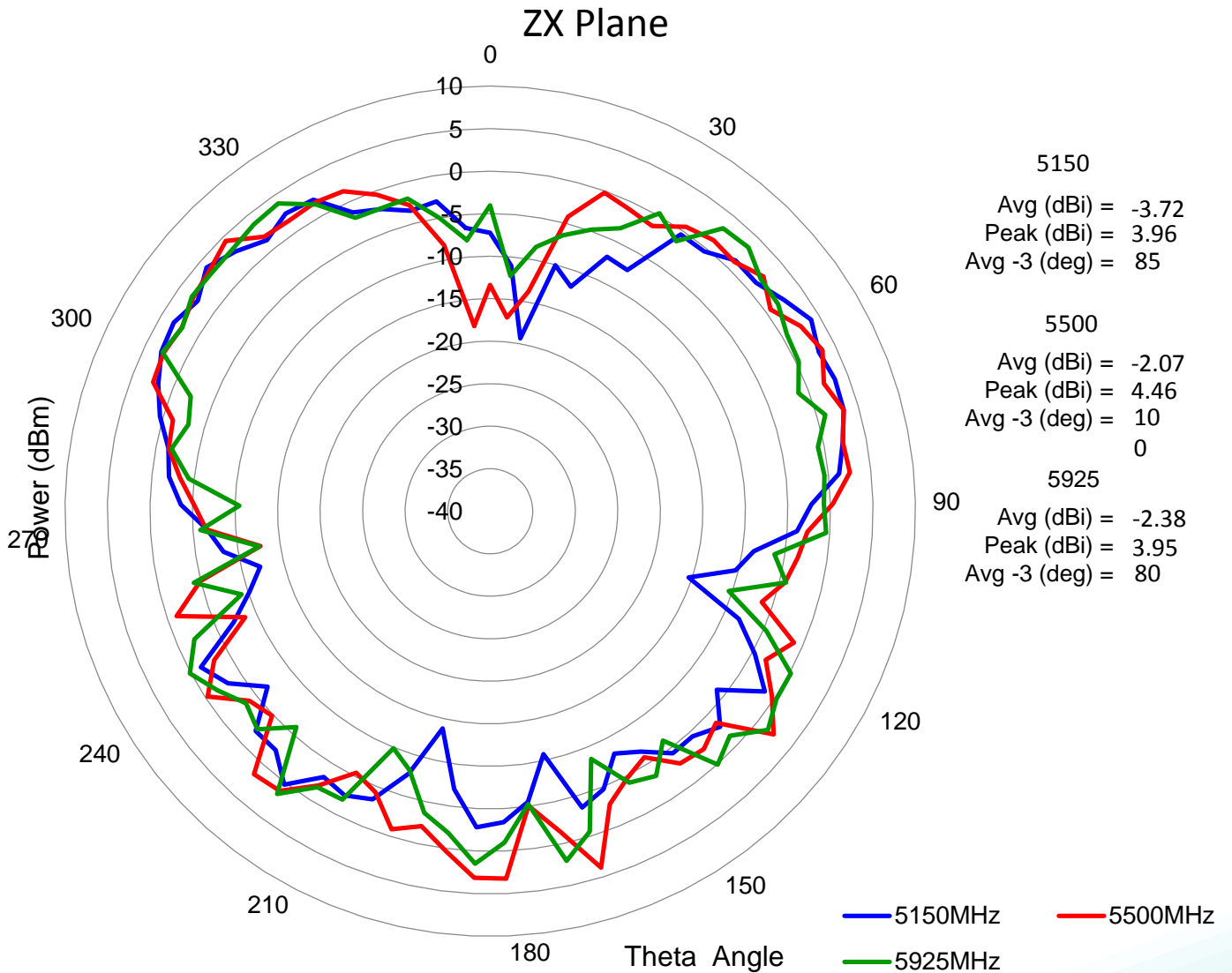
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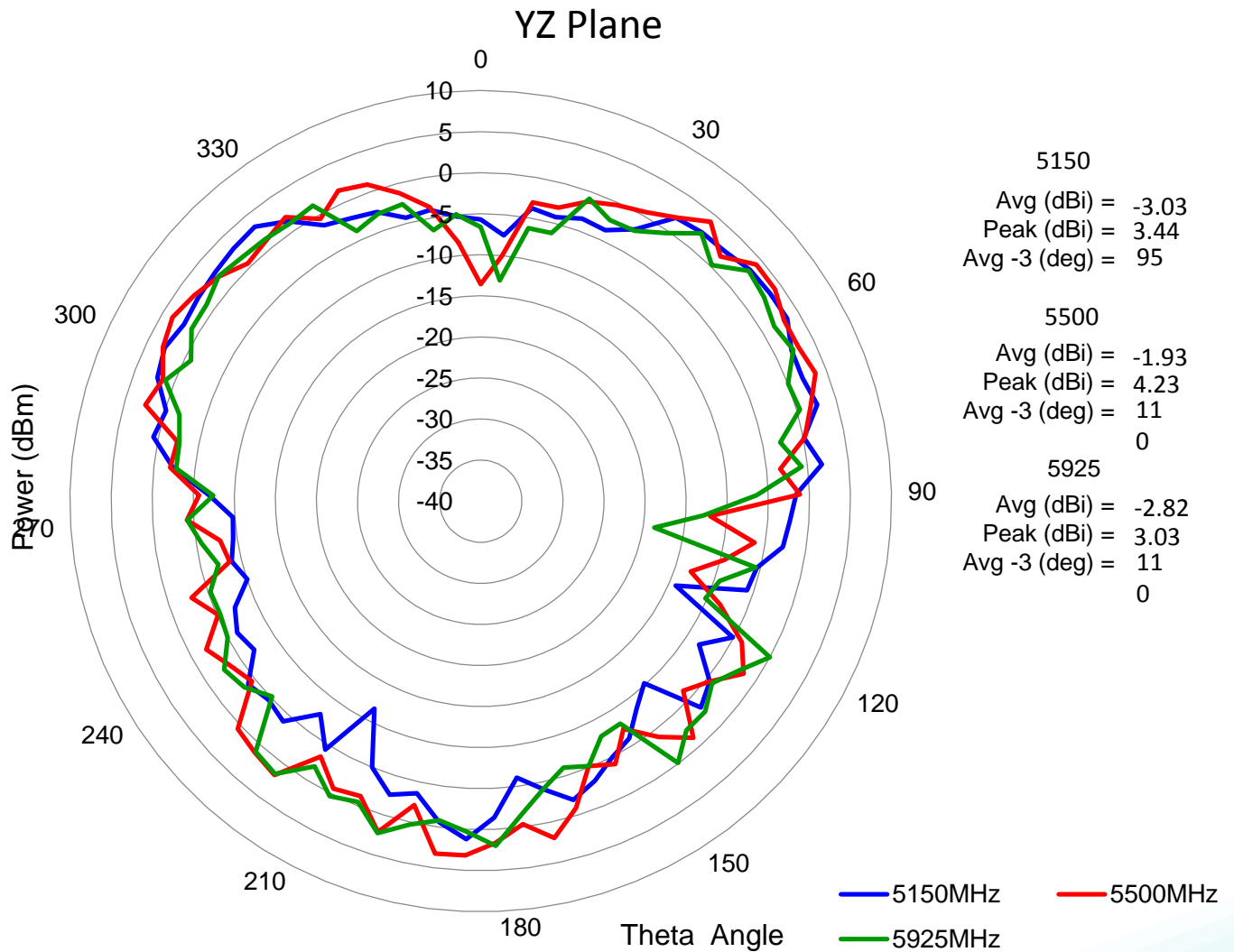
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## PACKAGING

10PCS/Bullet PE bag

500PCS/Carton Box

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