

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

**Series:** Stick Antenna

**PART NUMBER:** W5097

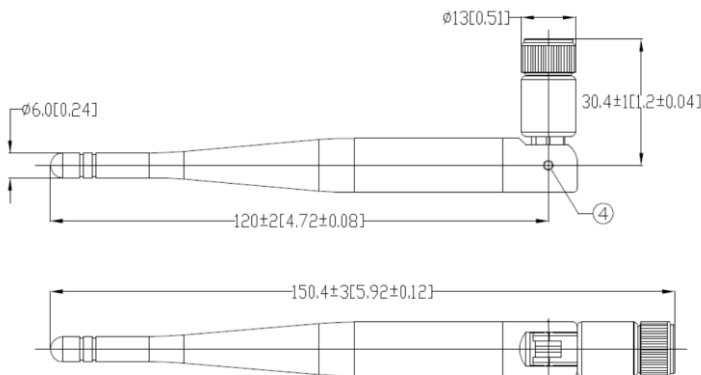


## Features:

- 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

Issue: 1619

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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

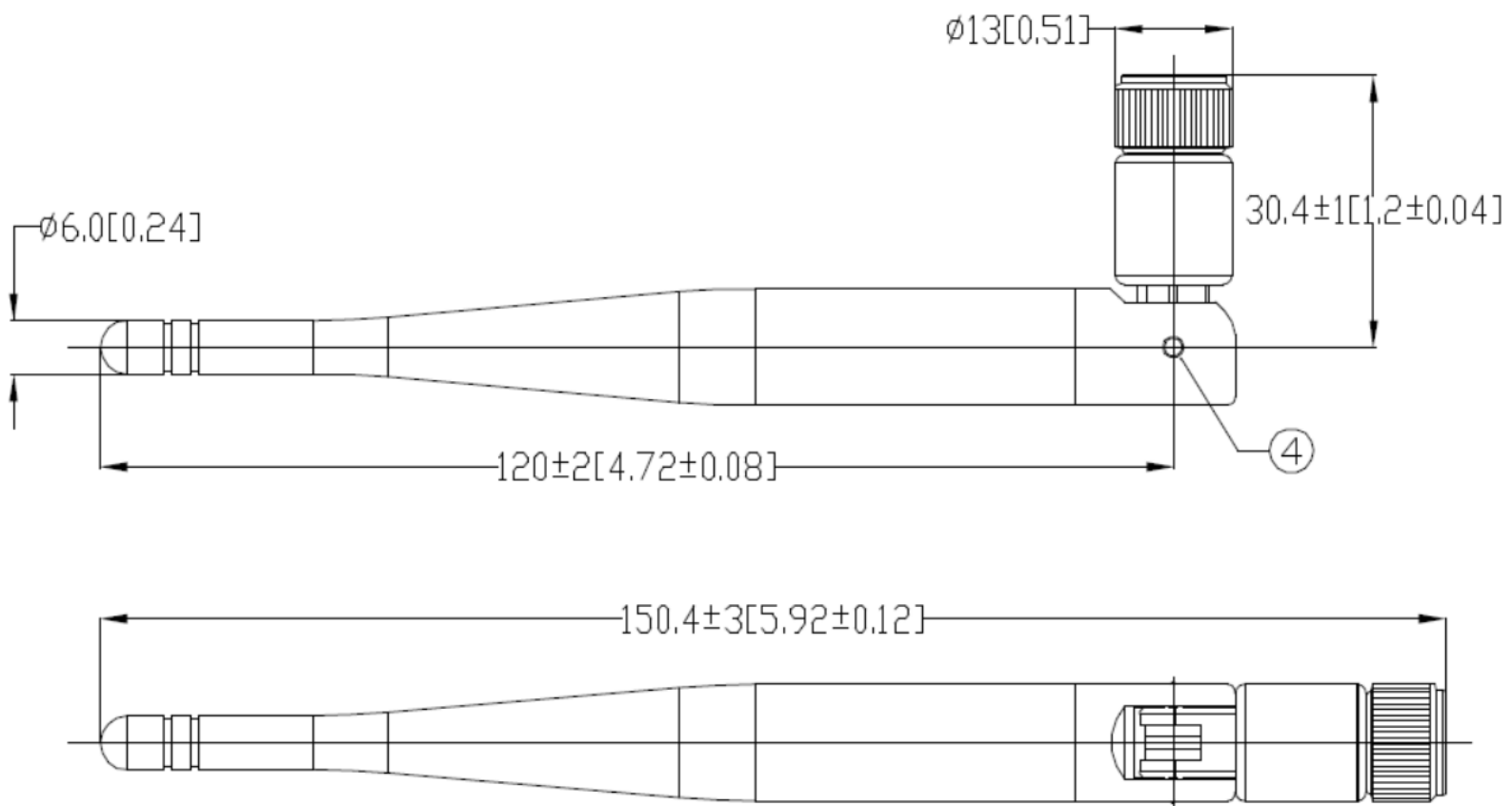
Operating temperature	-40/+85 ° C
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**MECHANICAL DRAWING**



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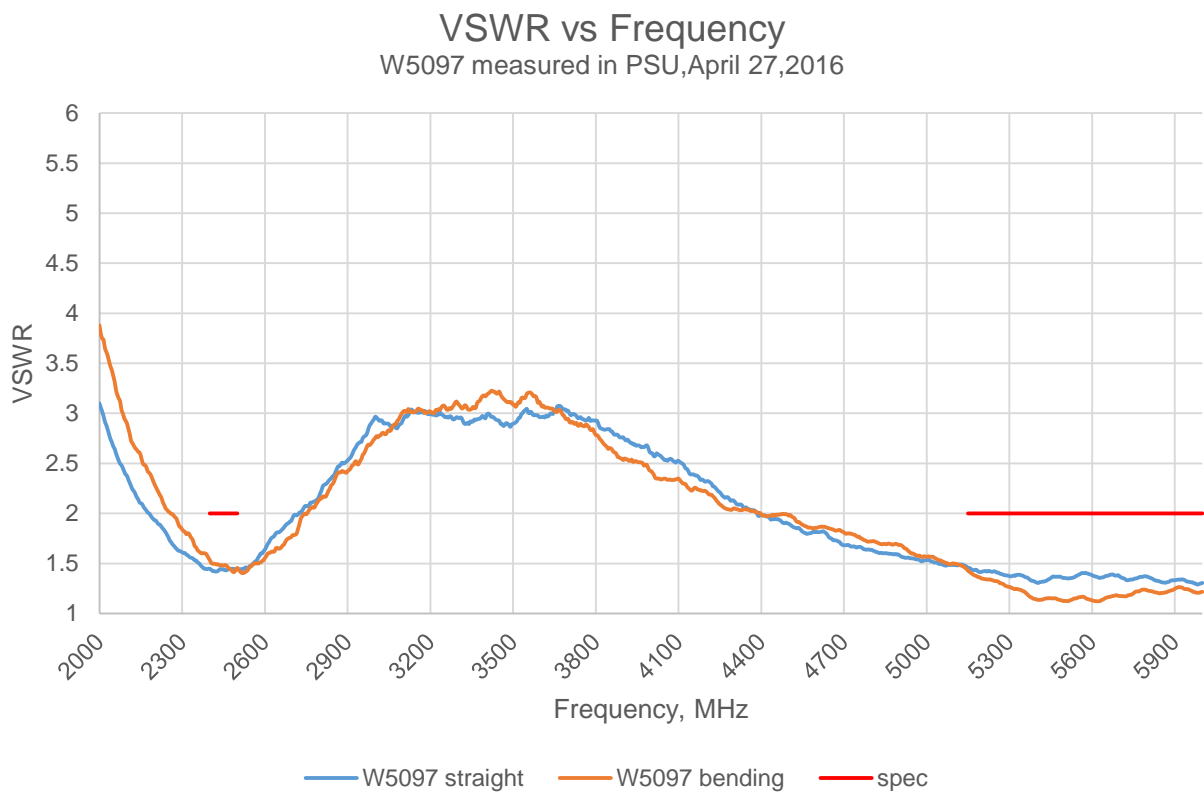
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## CHARTS

VSWR measured in free space



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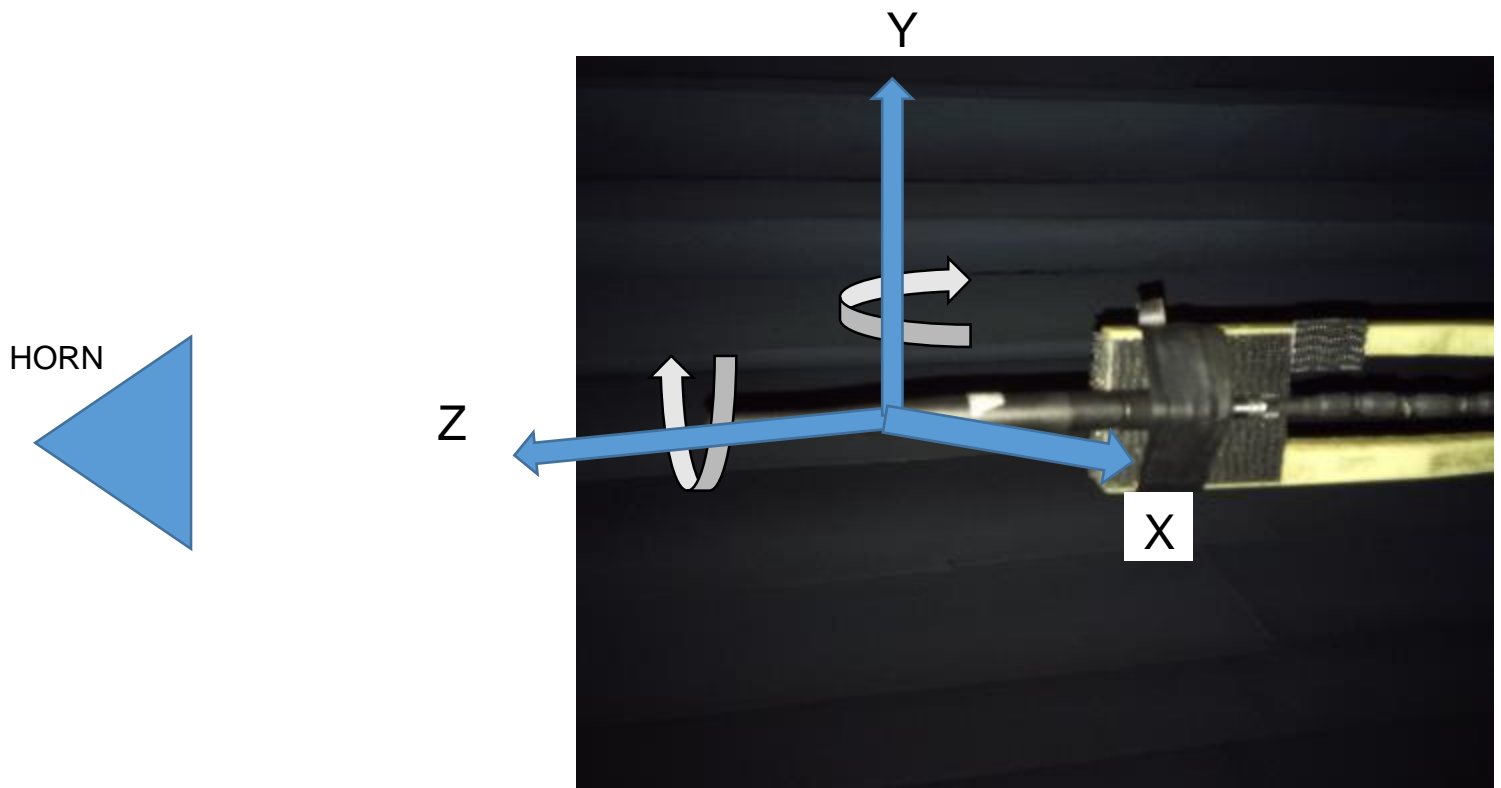
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## CHARTS

Chamber set up



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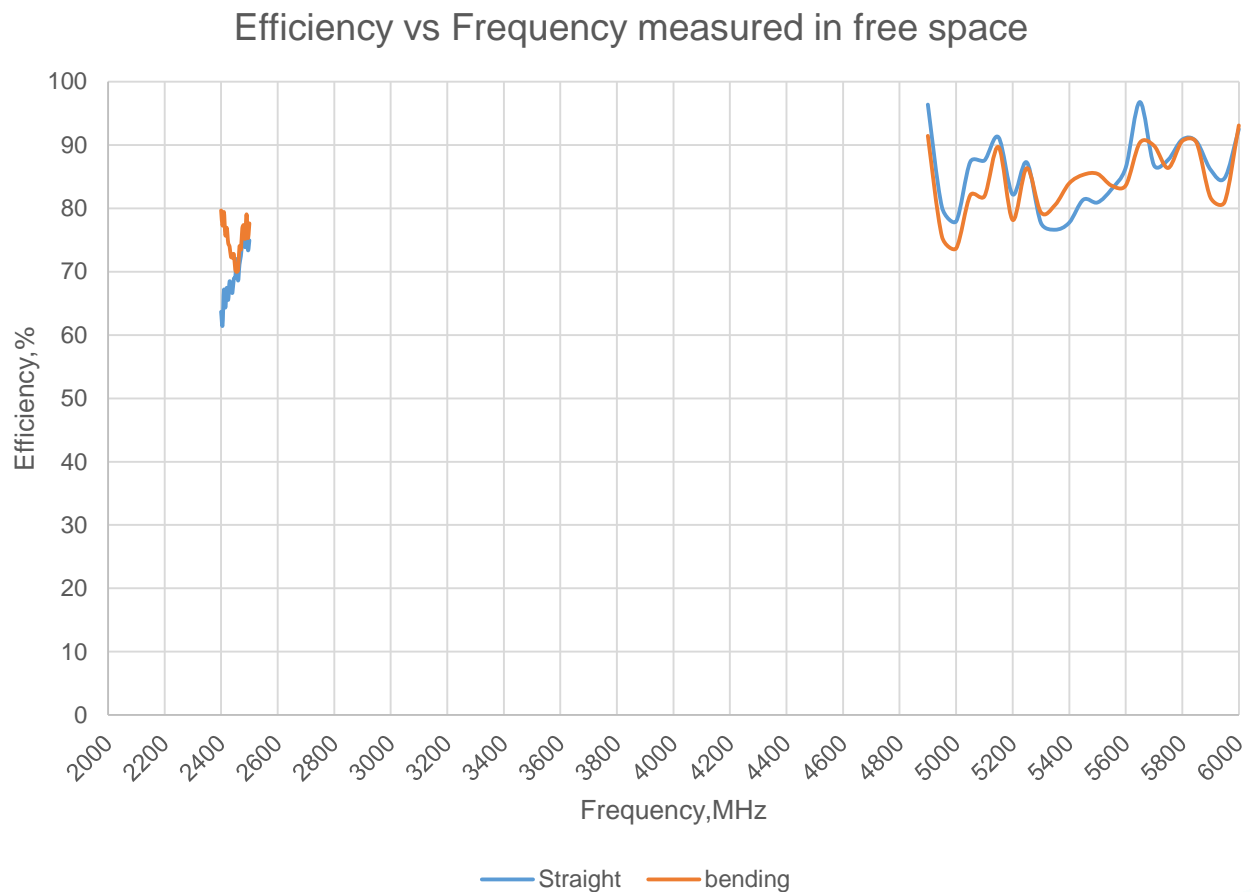
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## CHARTS

Efficiency measured in free space



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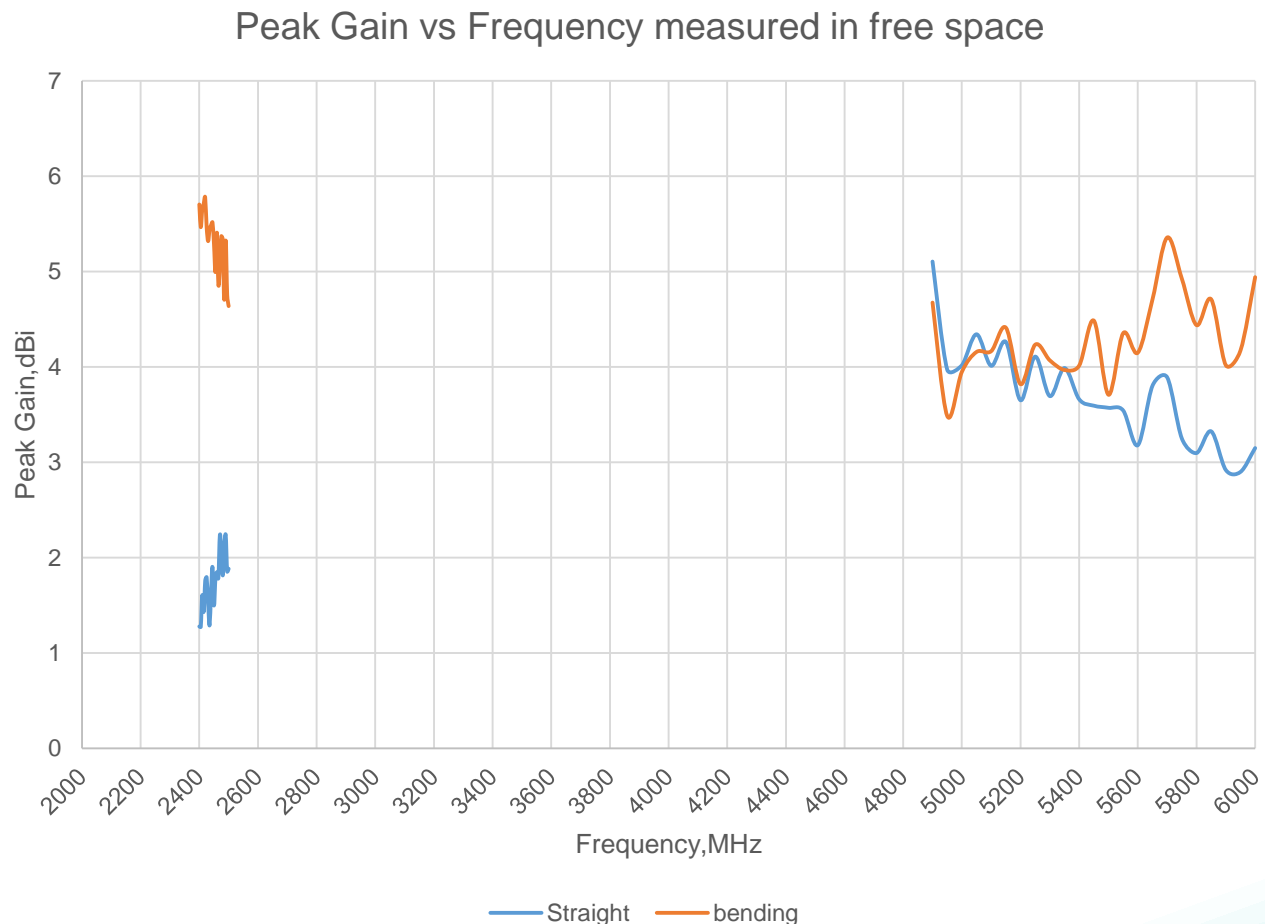
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## CHARTS

### Peak Gain measured in free space



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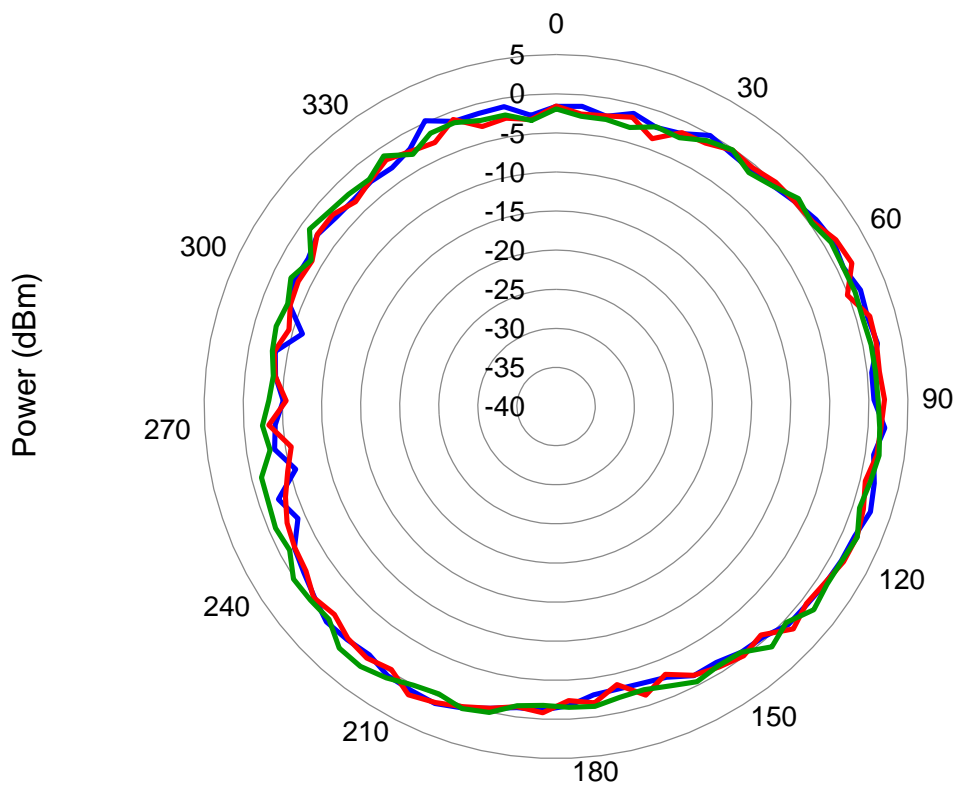
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## CHARTS

### 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

Phi Angle

— 2400MHz — 2450MHz — 2480MHz

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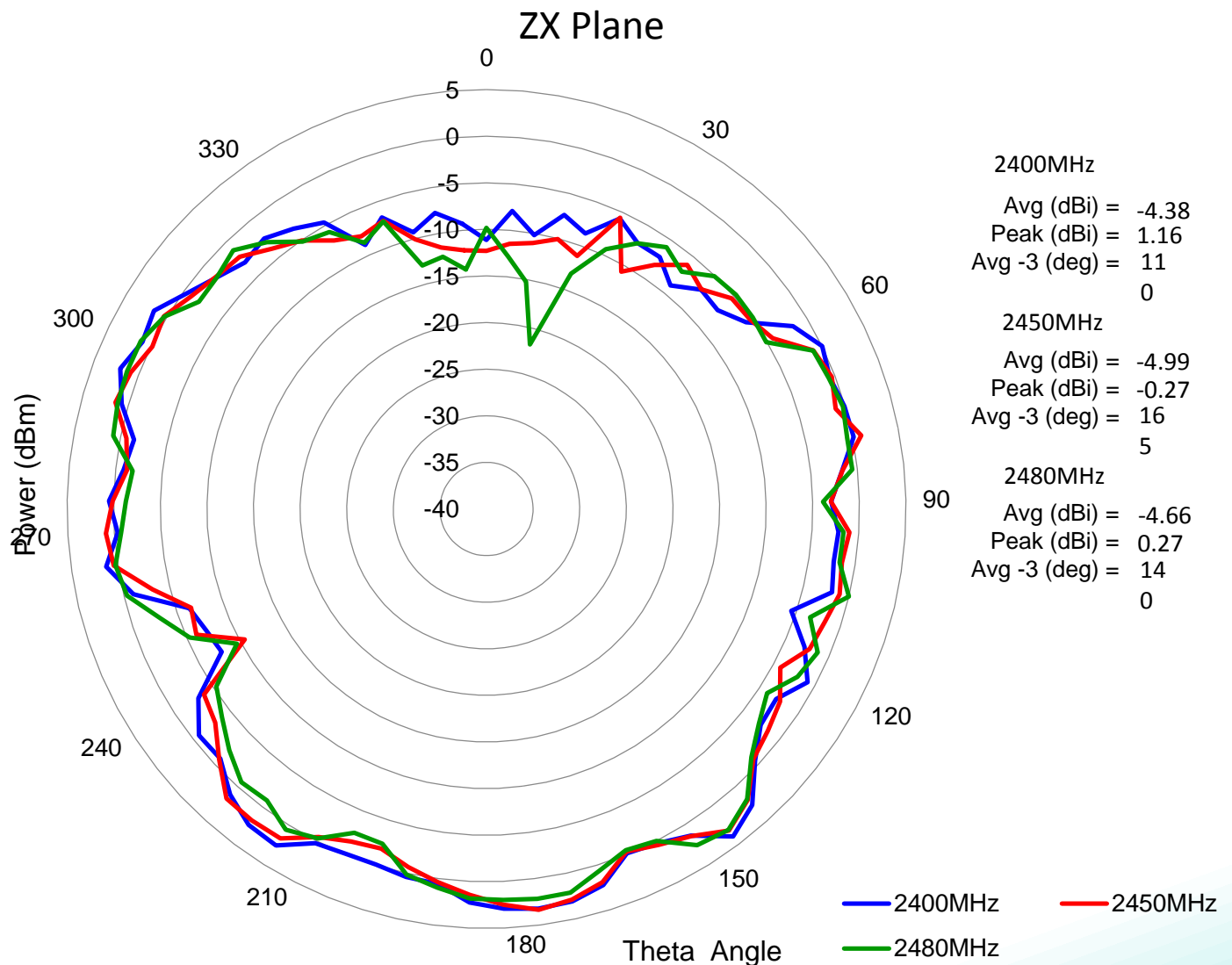
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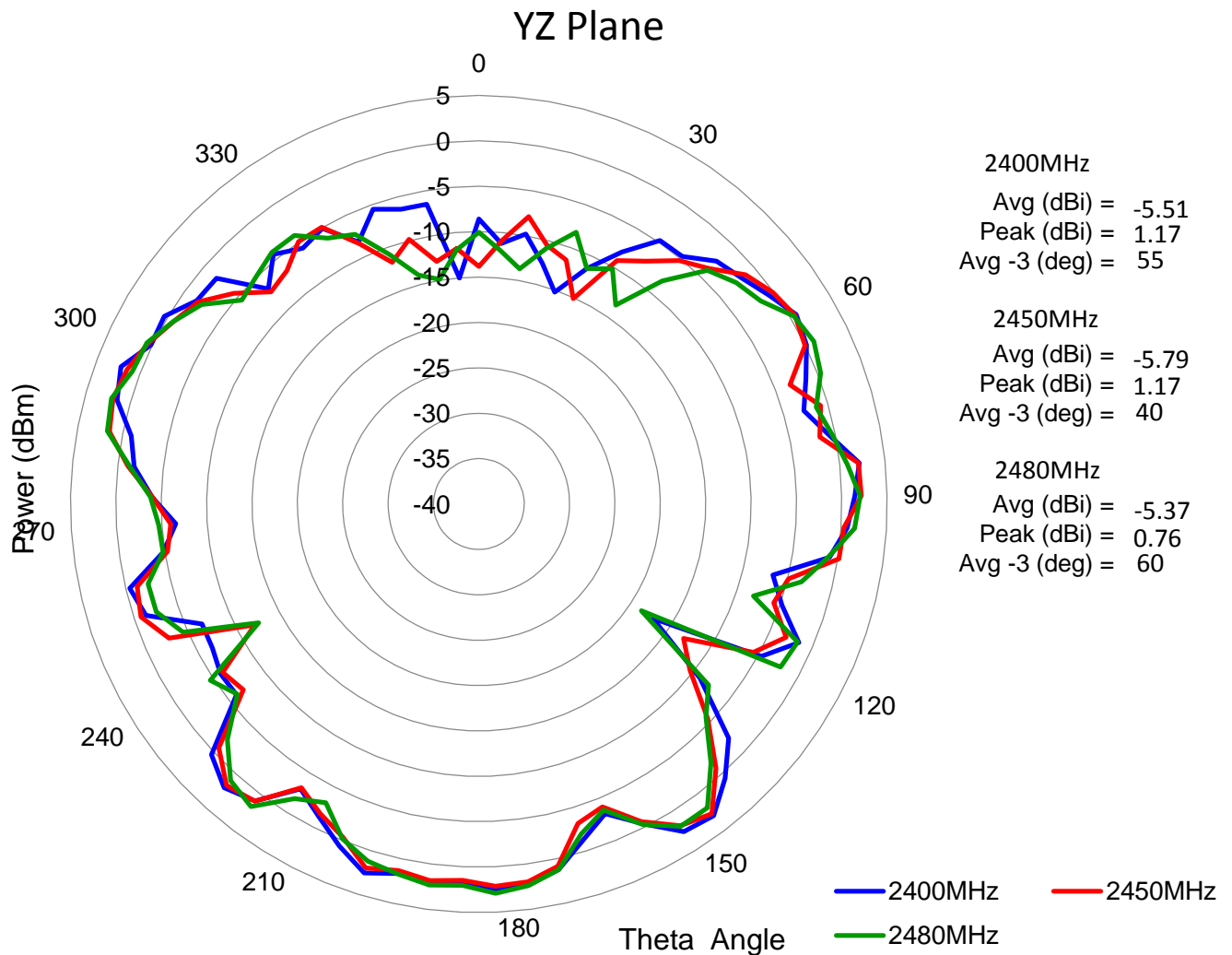
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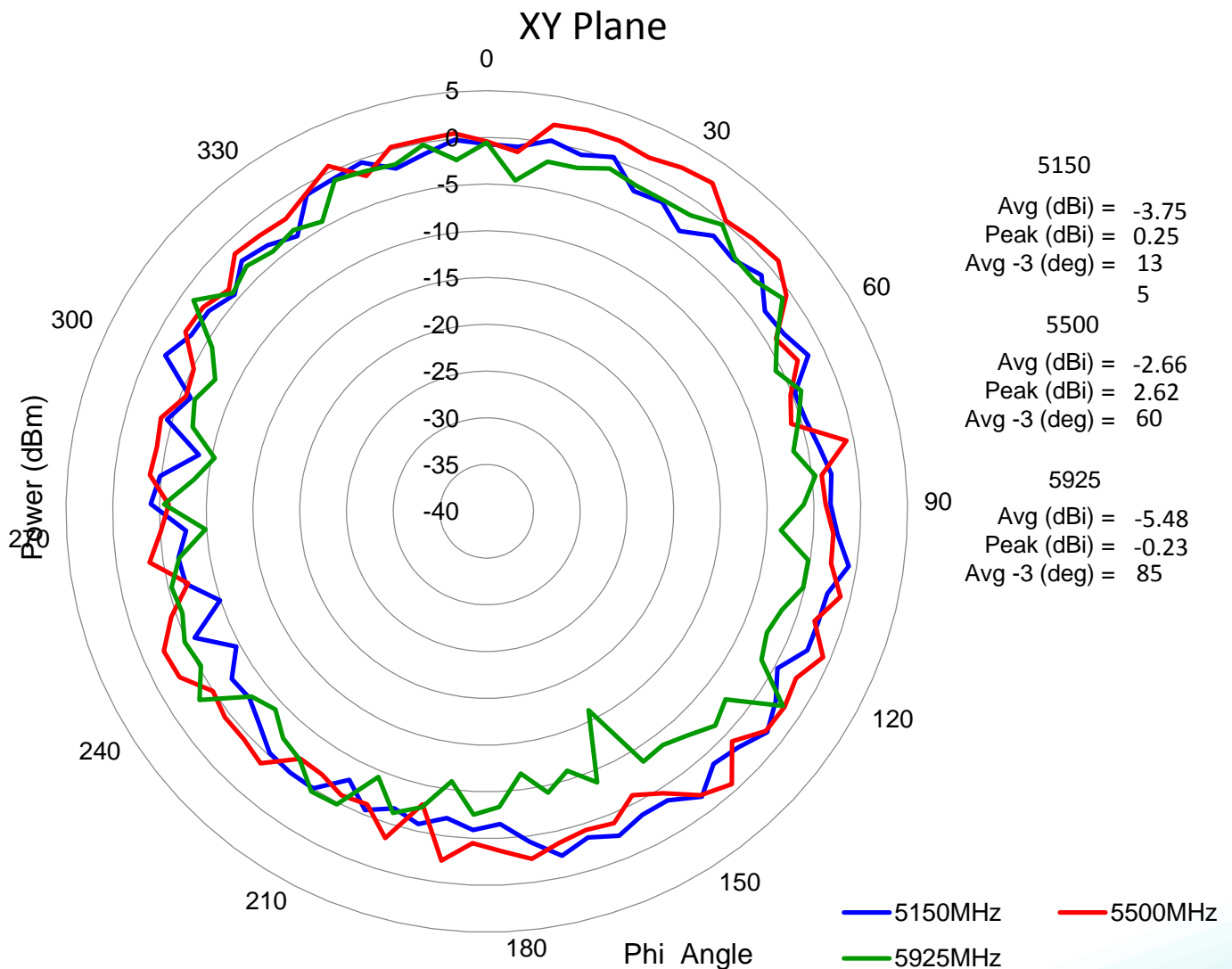
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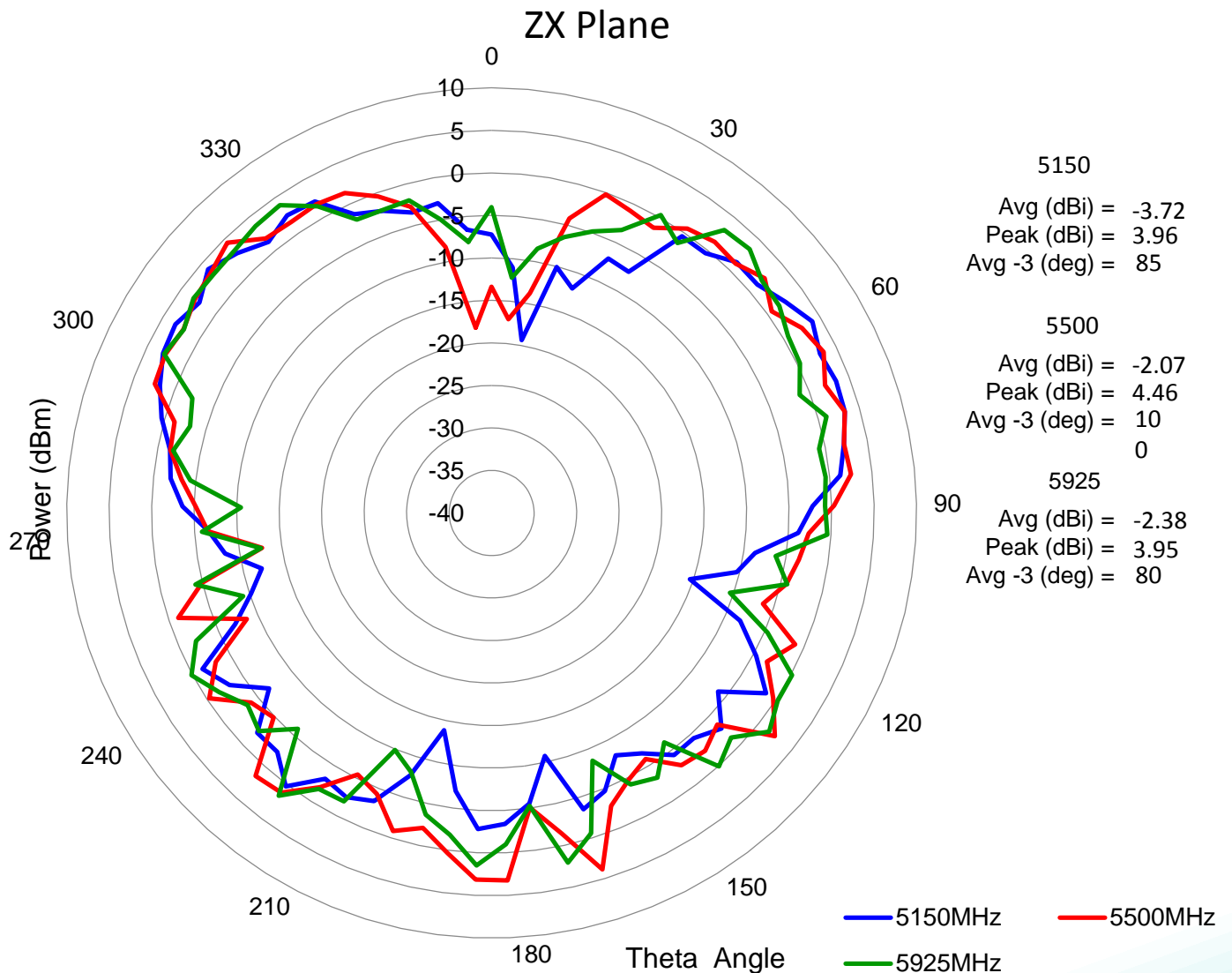
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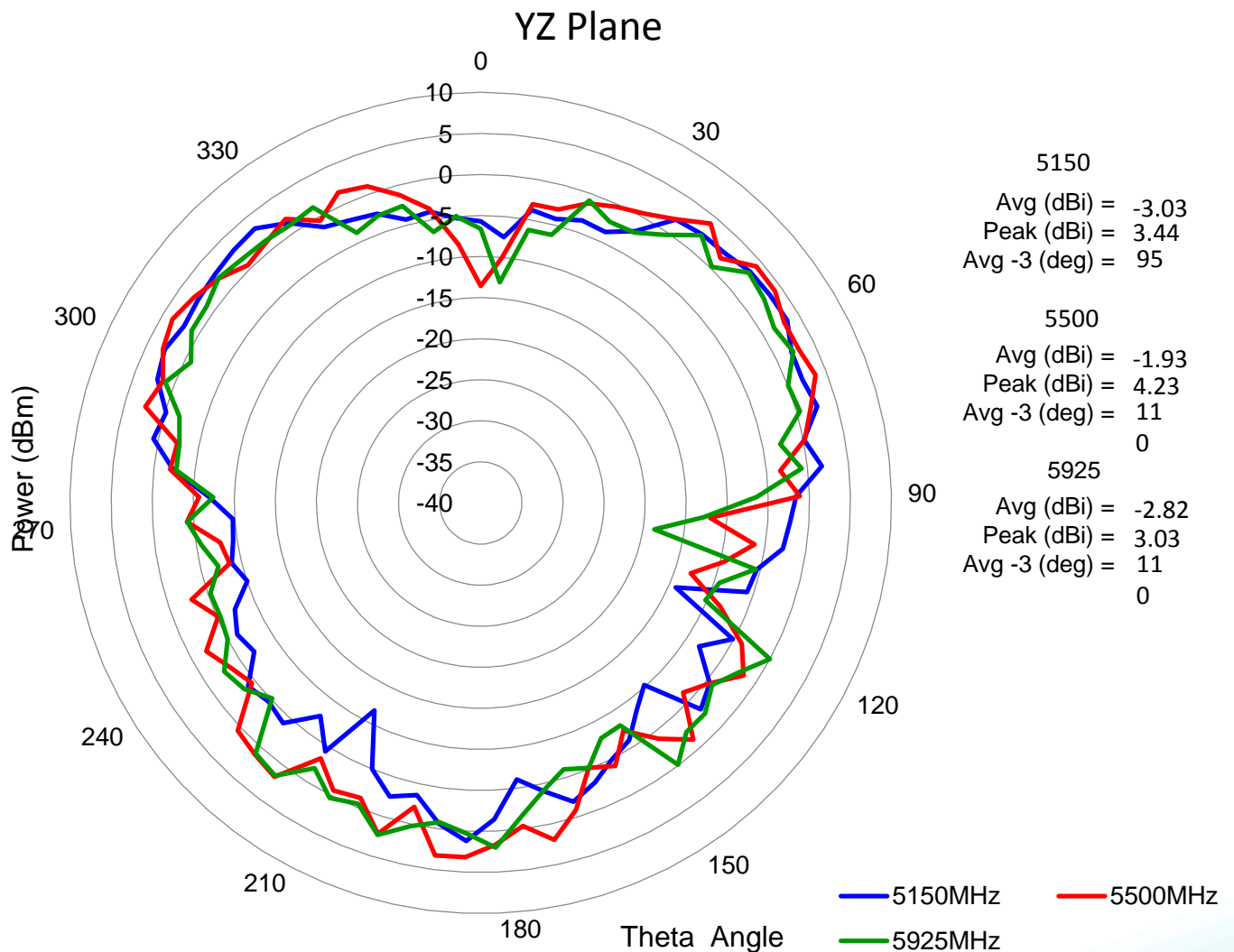
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## PACKAGING

10PCS/Bullet PE bag

500PCS/Carton Box





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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