

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

**Series:** Stick Antenna

**PART NUMBER:** W5097

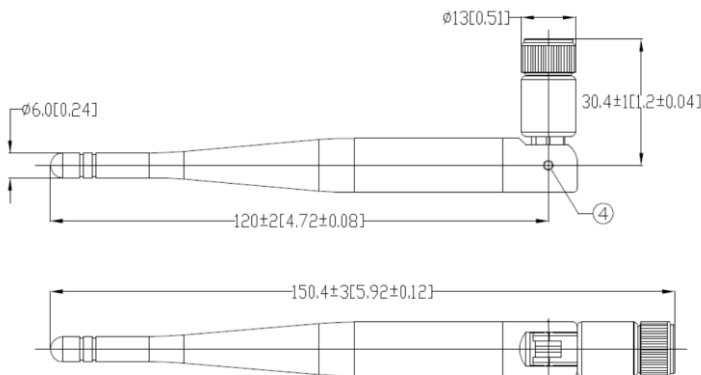


## Features:

- 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

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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

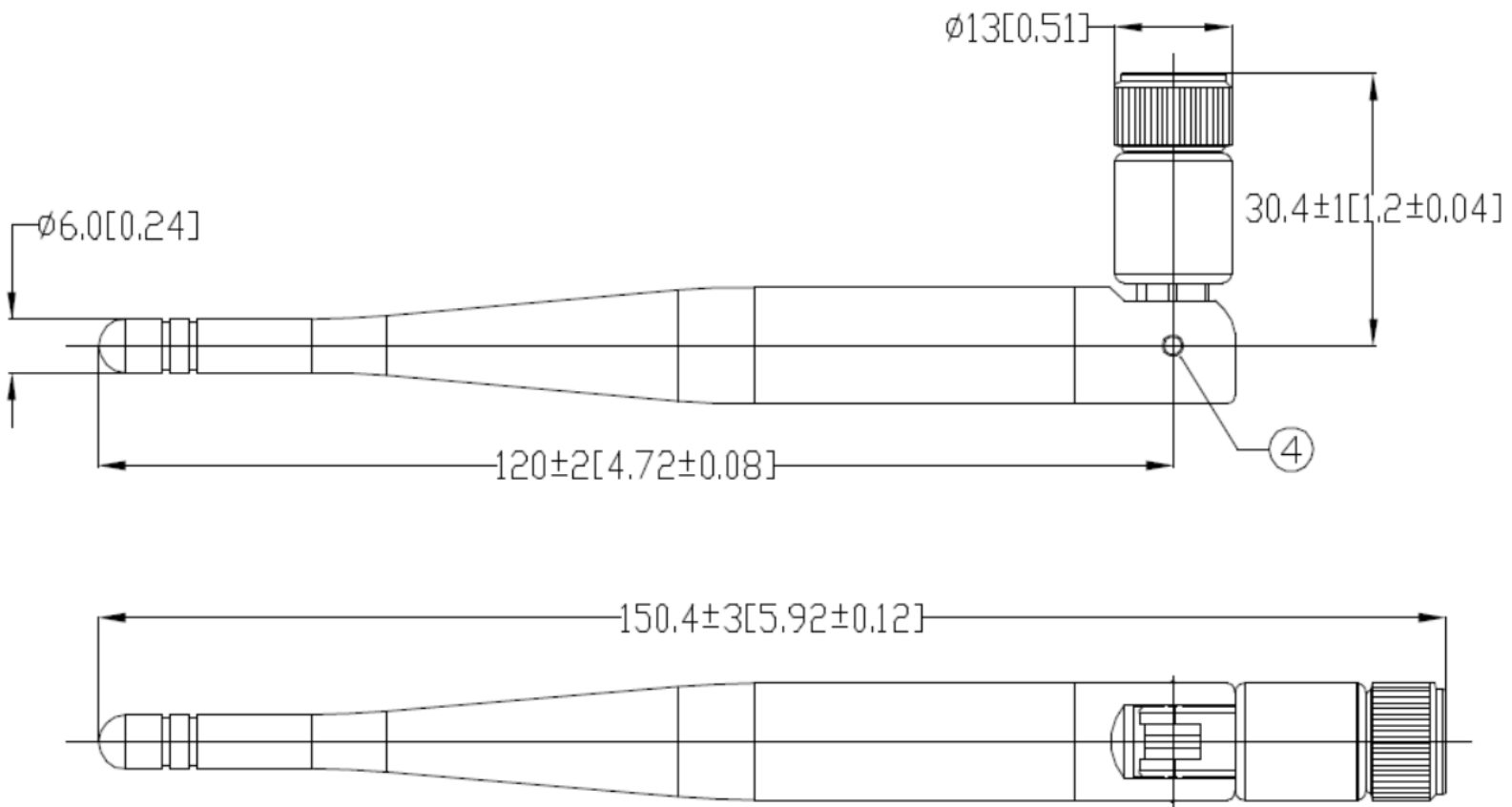
|                       |             |
|-----------------------|-------------|
| Operating temperature | -40/+85 ° C |
|-----------------------|-------------|

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**MECHANICAL DRAWING**



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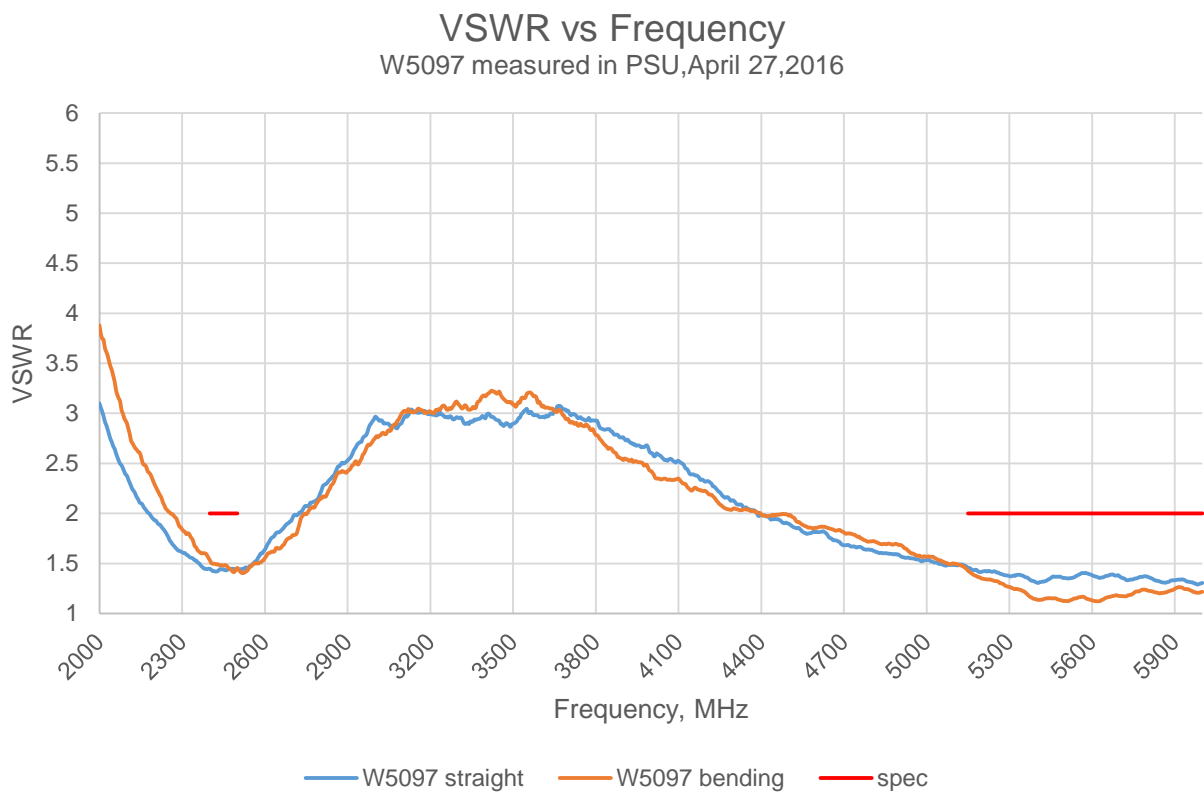
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## CHARTS

VSWR measured in free space



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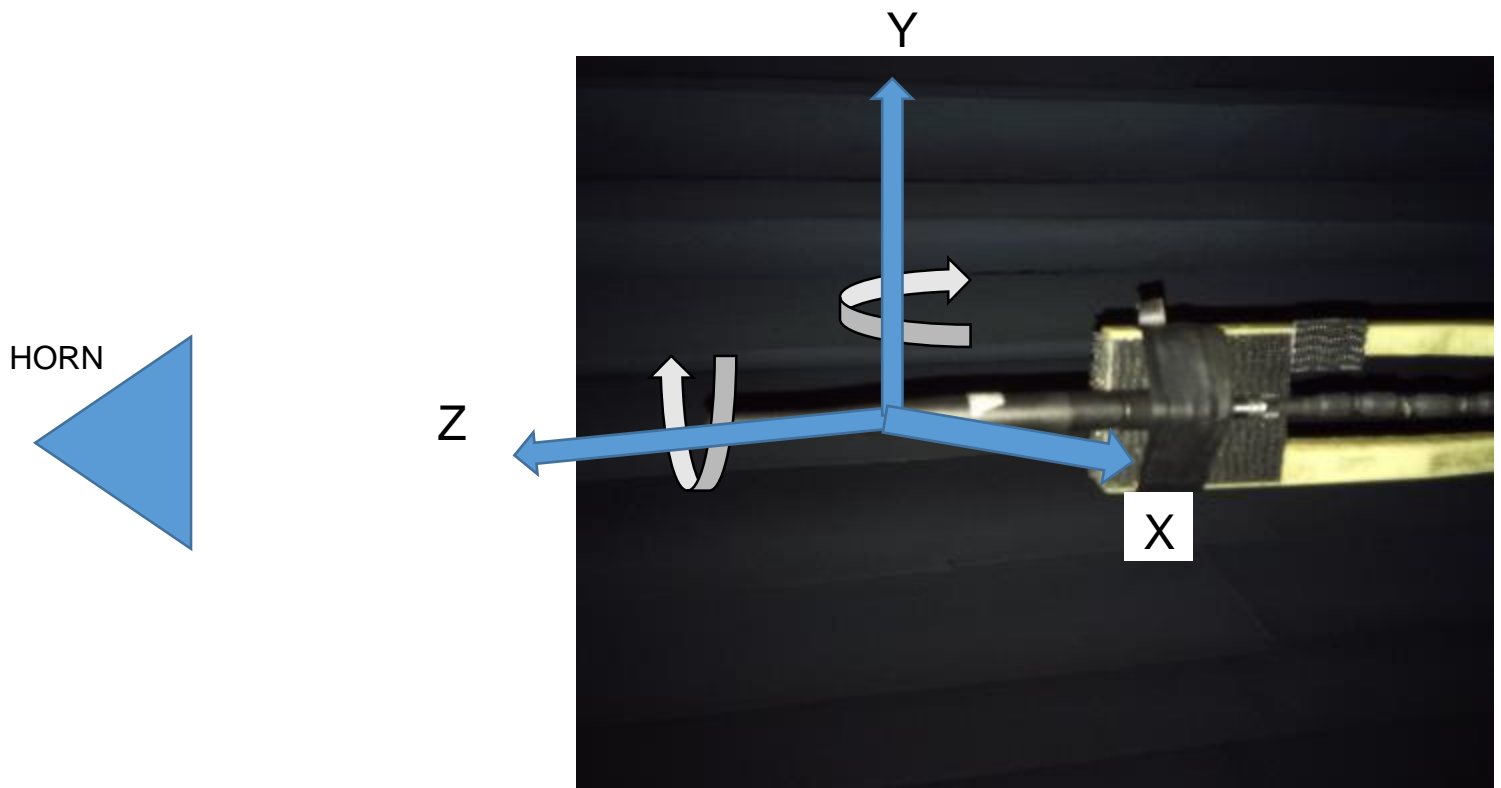
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## CHARTS

Chamber set up



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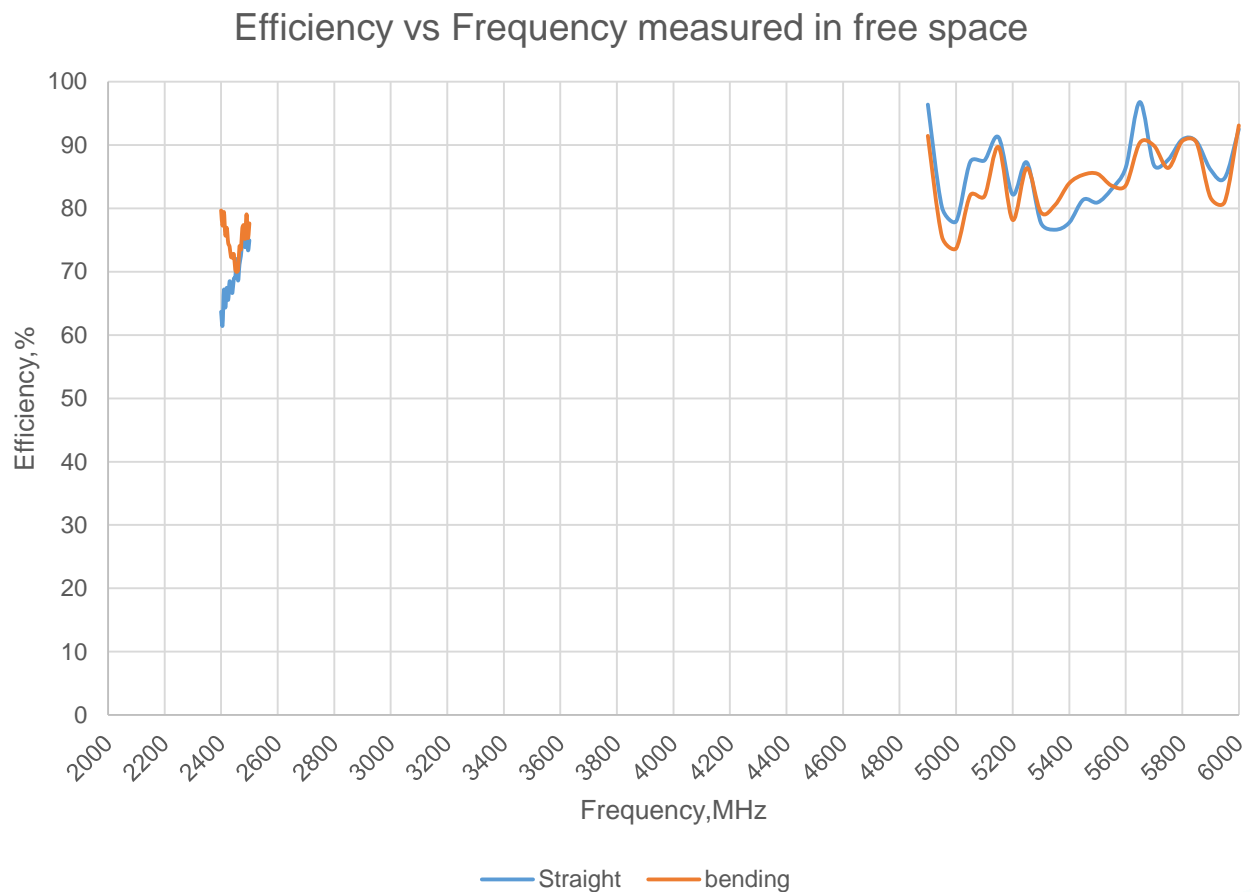
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## CHARTS

Efficiency measured in free space



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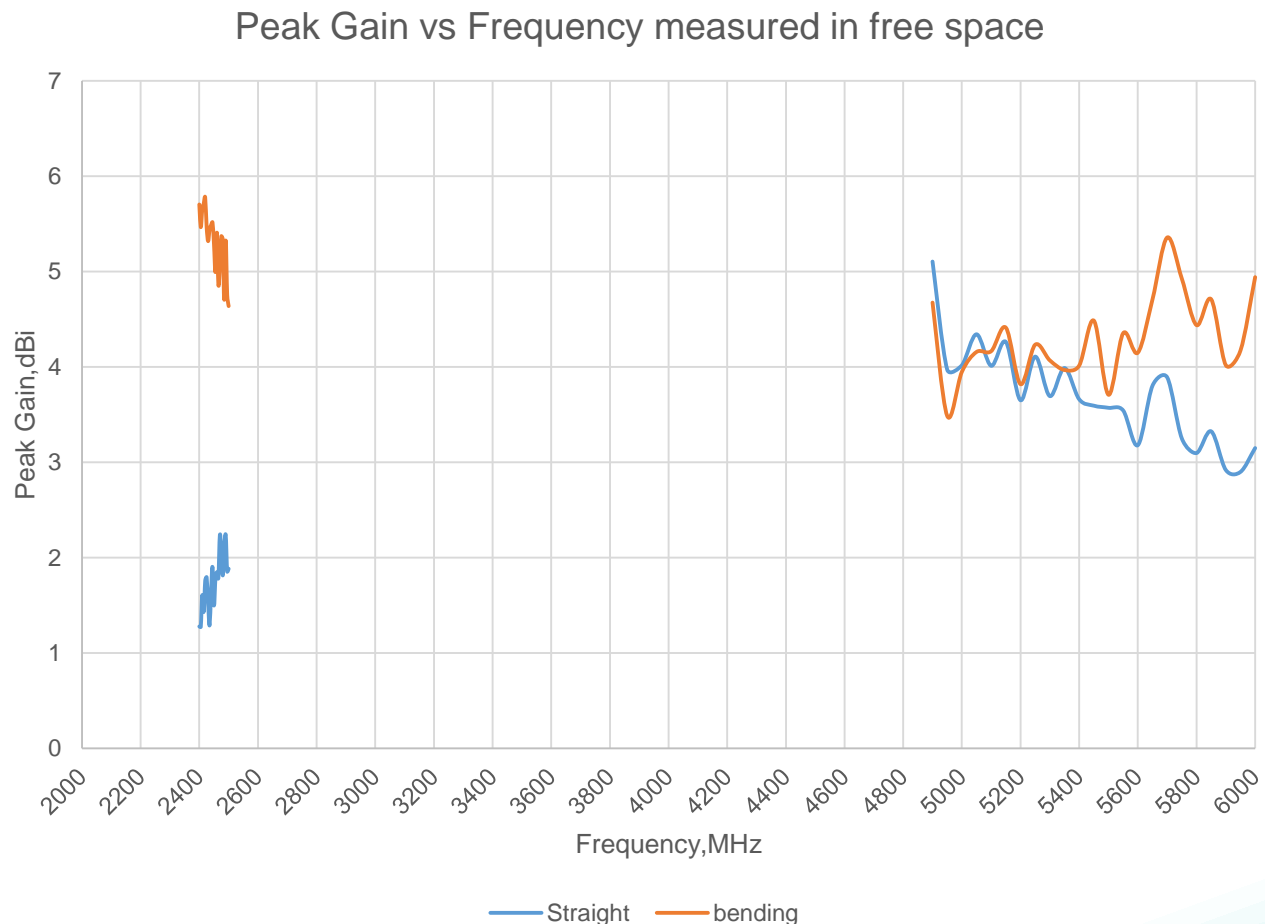
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## CHARTS

### Peak Gain measured in free space



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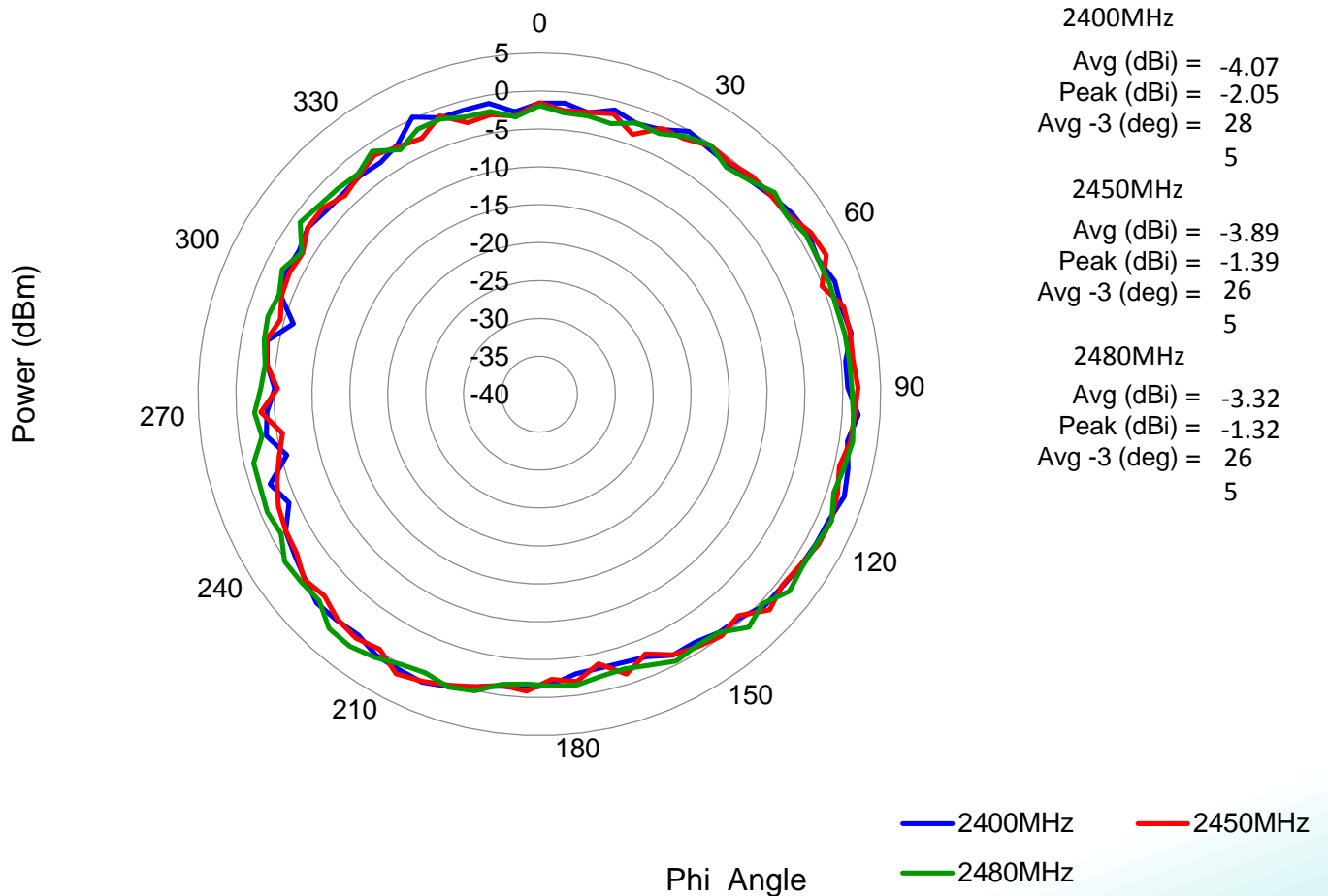
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## CHARTS

### Gain Plots

#### XY Plane



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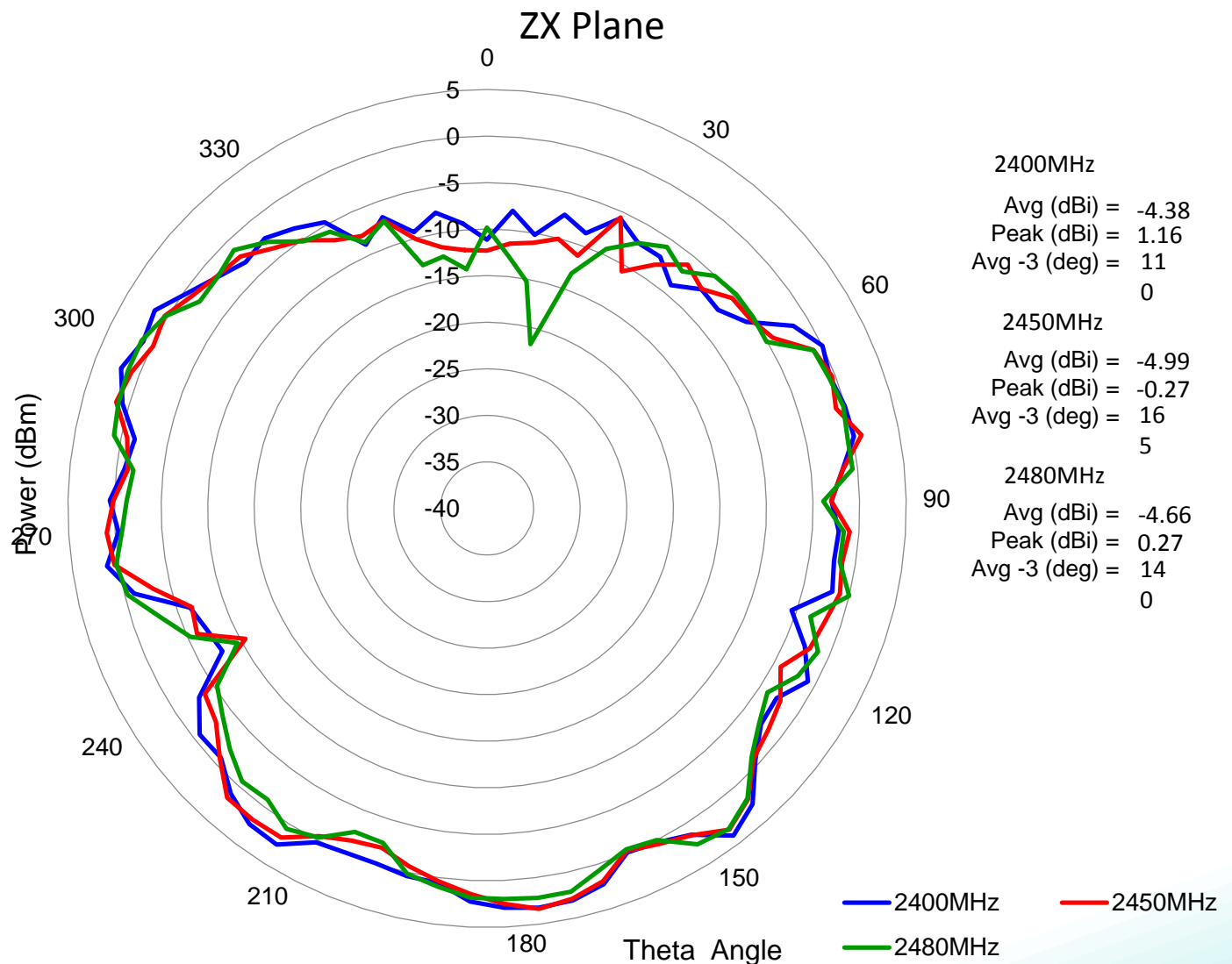
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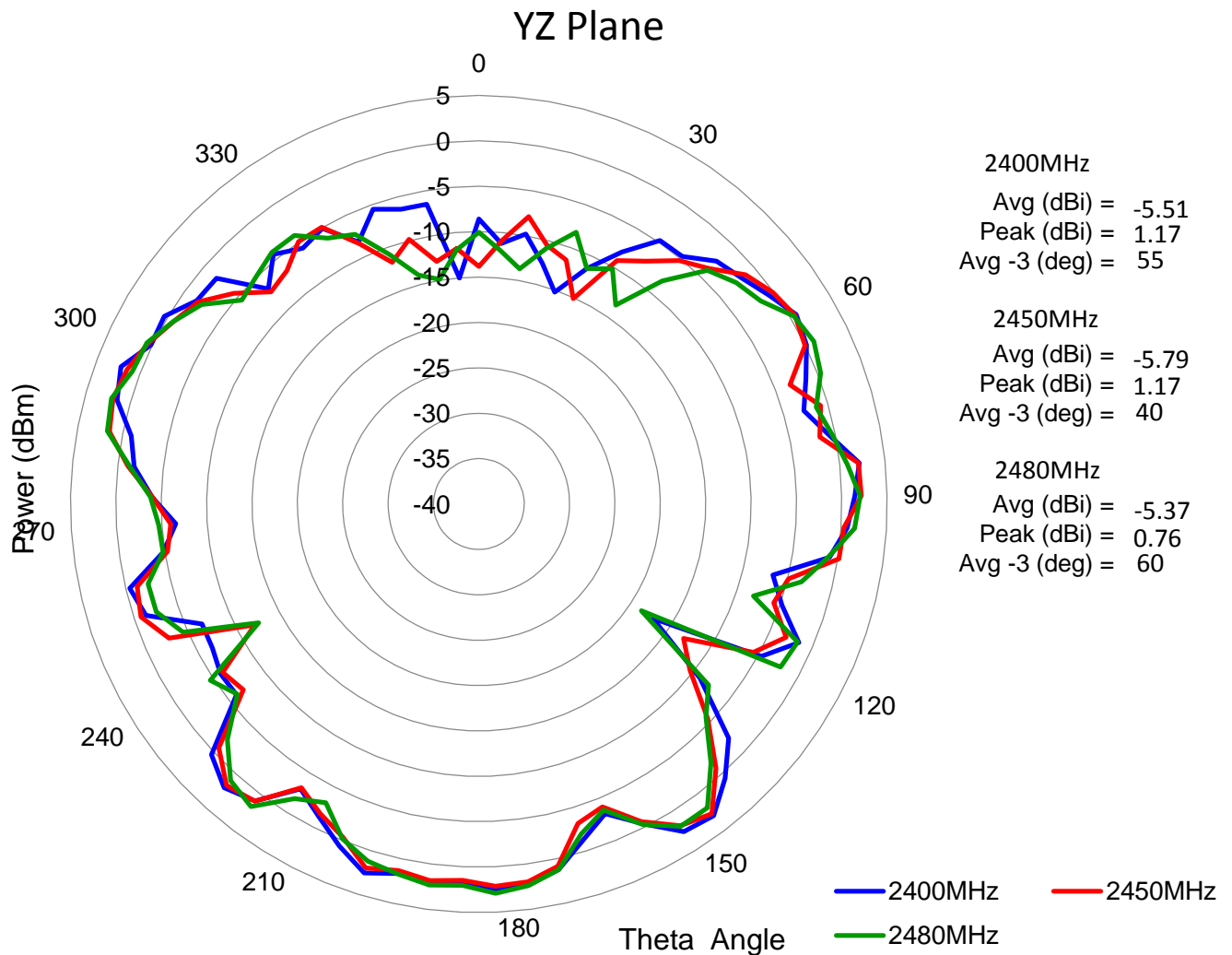
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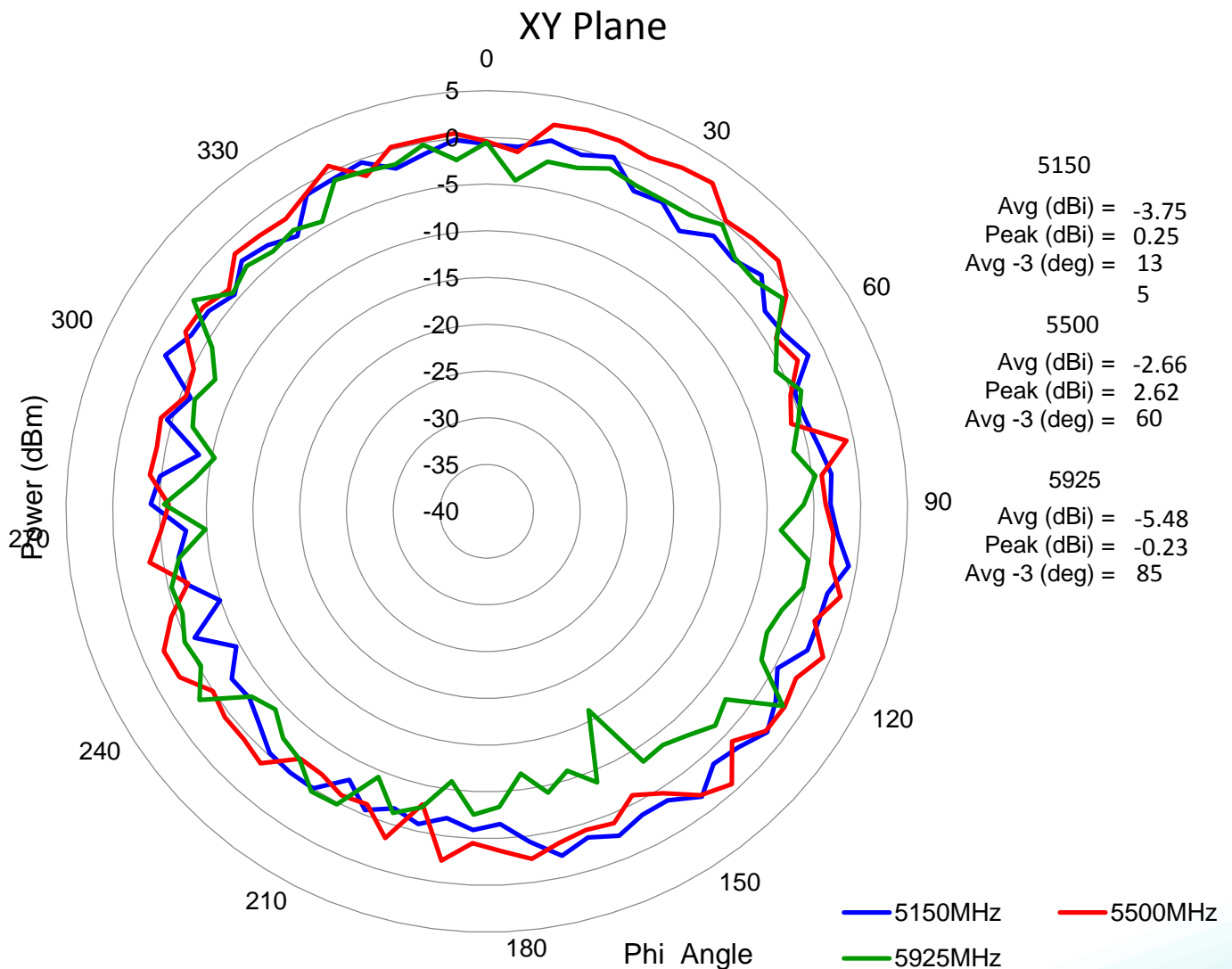
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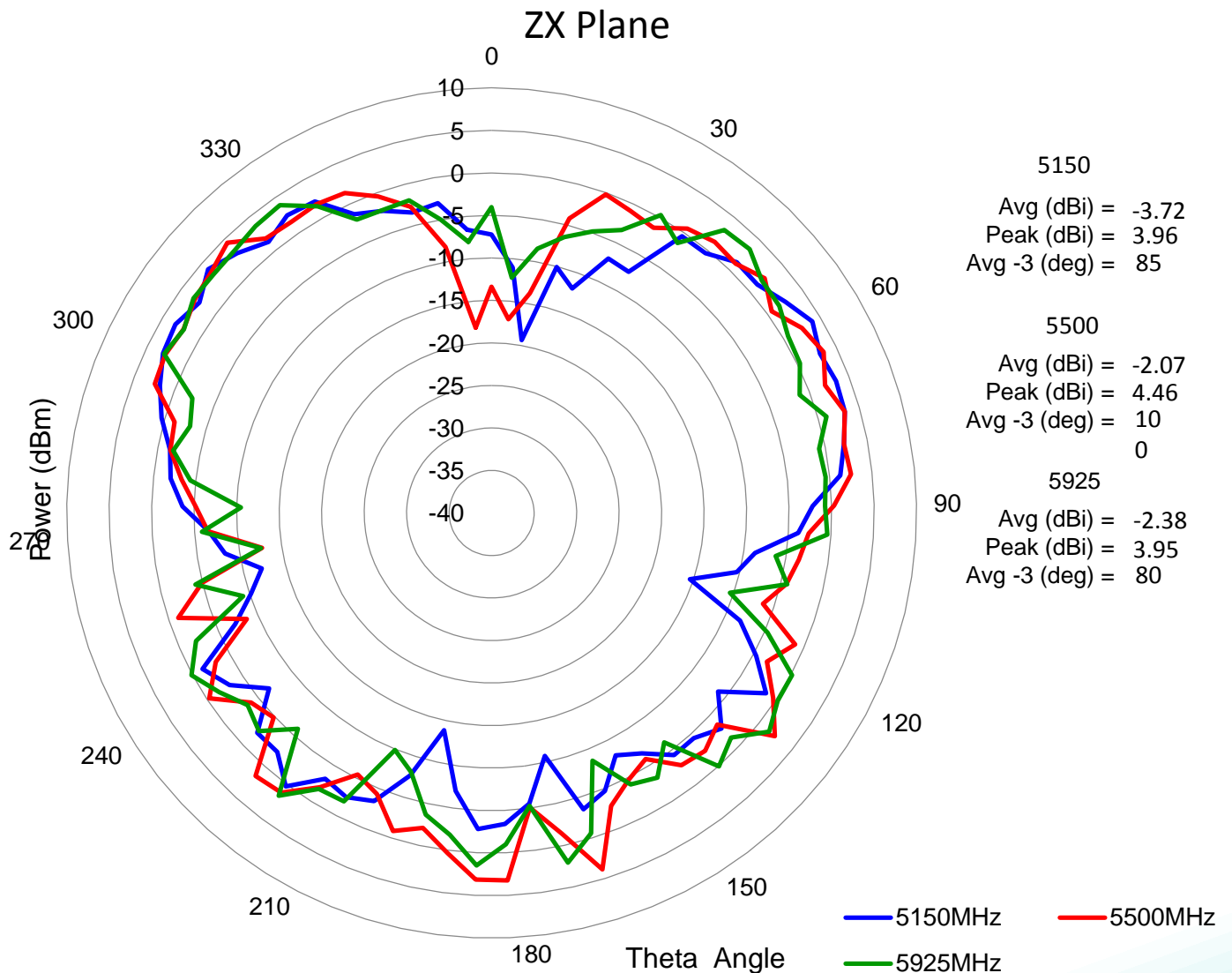
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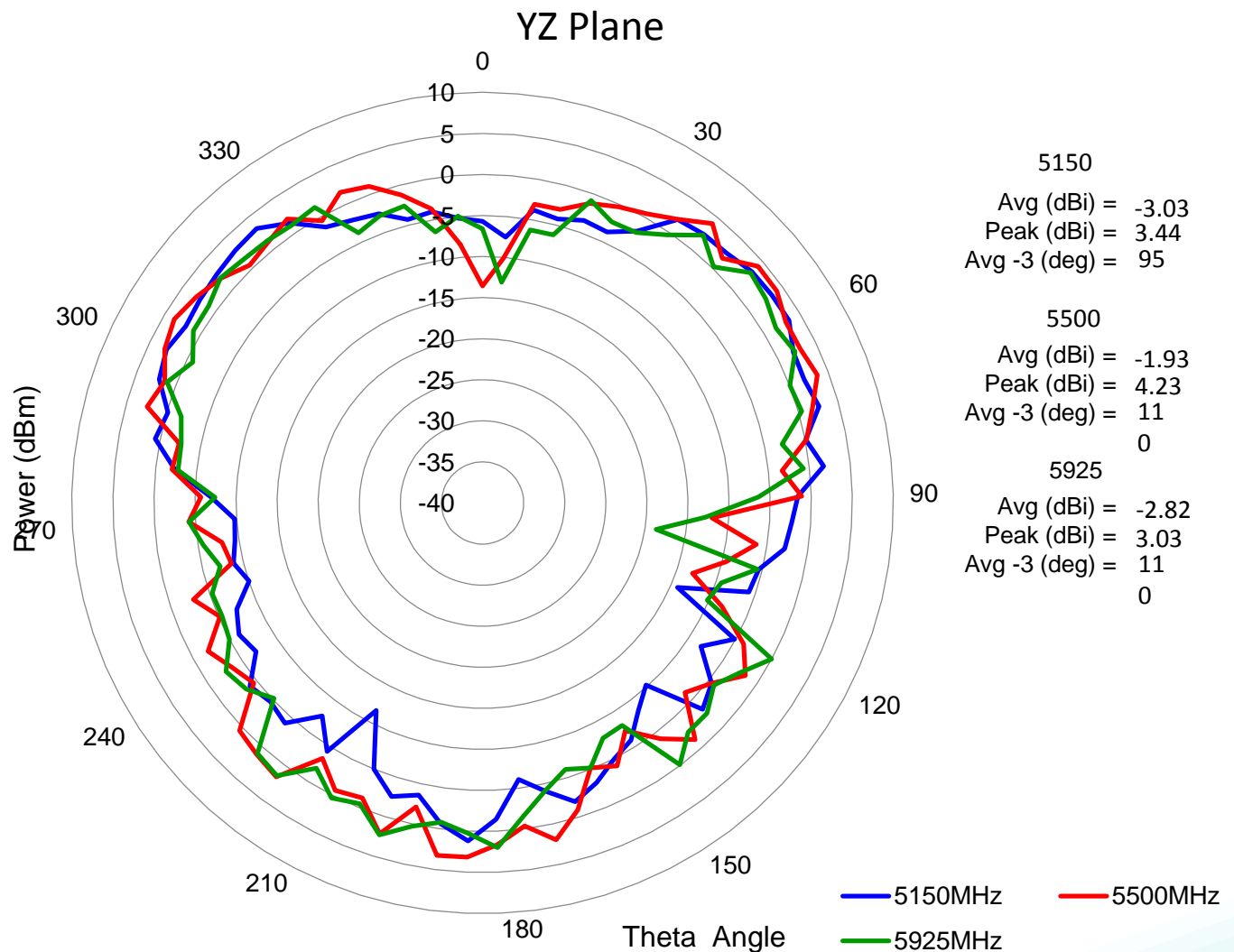
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## PACKAGING

10PCS/Bullet PE bag

500PCS/Carton Box

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