

Description: WiFi 2.4/5Ghz/DSRC Antenna

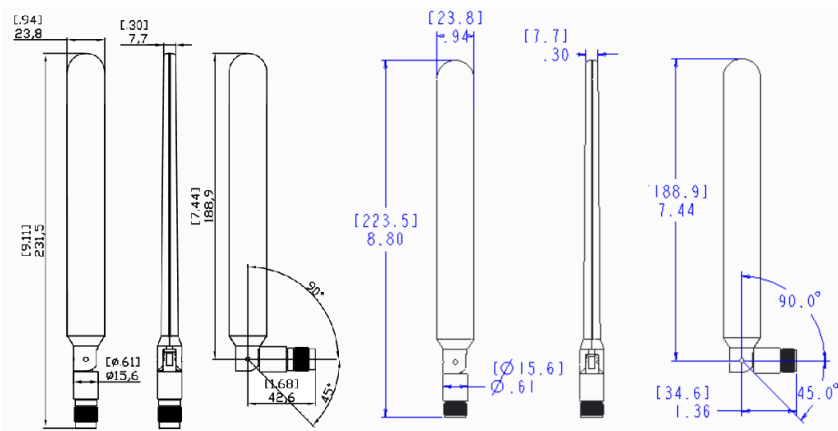
Series: IceBlade

PART NUMBER: ICEBLADEWx



Features:

- Multi Band Swivel Mount Dipole
- Transparent antenna
- ICEBLADEWT: TNC Male Connector
- ICEBLADEWS: SMA Male Connector



Applications:

- 2.4GHz/6GHz radios
- WiFi Routers, Access points
- Zigbee, BLE, BT
- Metering, Security, IoT, M2M Applications
- DSRC

All dimensions are in mm / inches

Issue: 1816

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

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Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998

Description: WiFi 2.4/5Ghz/DSRC Antenna**Series: IceBlade****PART NUMBER: ICEBLADEWx**

This document covers all product variants of the following product family:

ICEBLADEWT: TNC Connector

ICEBLADEWS: SMA Connector

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ELECTRICAL SPECIFICATIONS

P/N	Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)	VSWR	Power Standing
ICEBLADEWT	2400-2500	4.2+/-1dB	55	2.3:1	5W
	4900-6000	5.3+/-1dB	80	2.3:1	
ICEBLADEWS	2400-2500	4.2+/-1dB	55	2:1	5W
	4900-6000	5.3+/-1dB	80	2:1	

Typical performance measured in free space

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MECHANICAL SPECIFICATIONS

Plastic radome	PC945A
Color	Clarity
Flammability(Radome)	UL94 V-0
Weight	45.4g
Positions	0°, 45° & 90°
Overall length	8.8 INCHES
Fixing system	° ± 2 °
Azimuth adjustment	° ± 4°
Elevation adjustment	° ± 4°

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ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-30/+70° C
Temperature	
Stationary	-40/+85° C
Cyclic	Rate 5°C/min, 16 hours
Humidity	
Stationary	95% @ 25° C
Cyclic	12 hours
Salt mist	96 hours

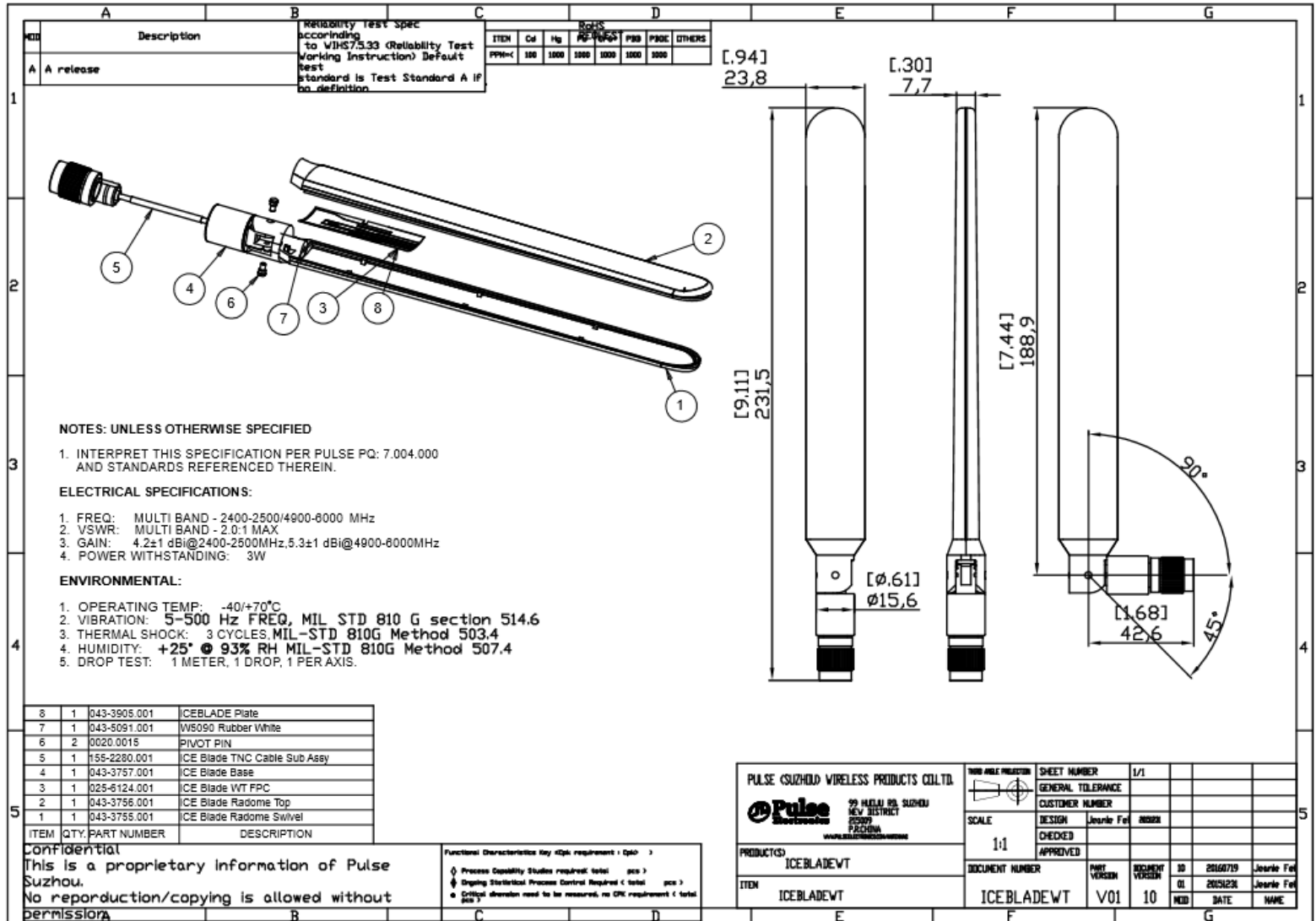
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MECHANICAL DRAWING

ICEBLADEWT: TNC Connector



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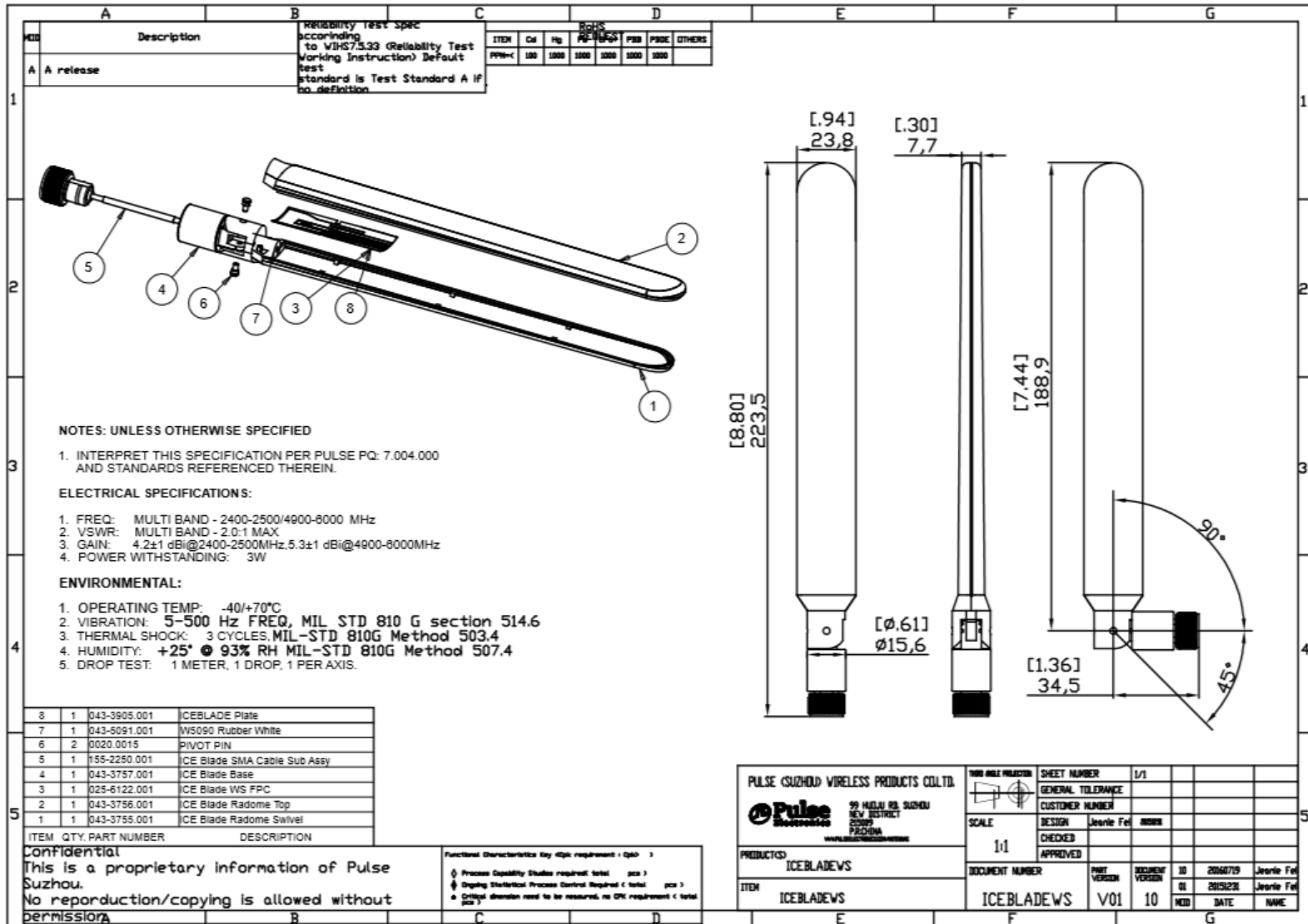
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MECHANICAL DRAWING

ICEBLADEWS: SMA Connector



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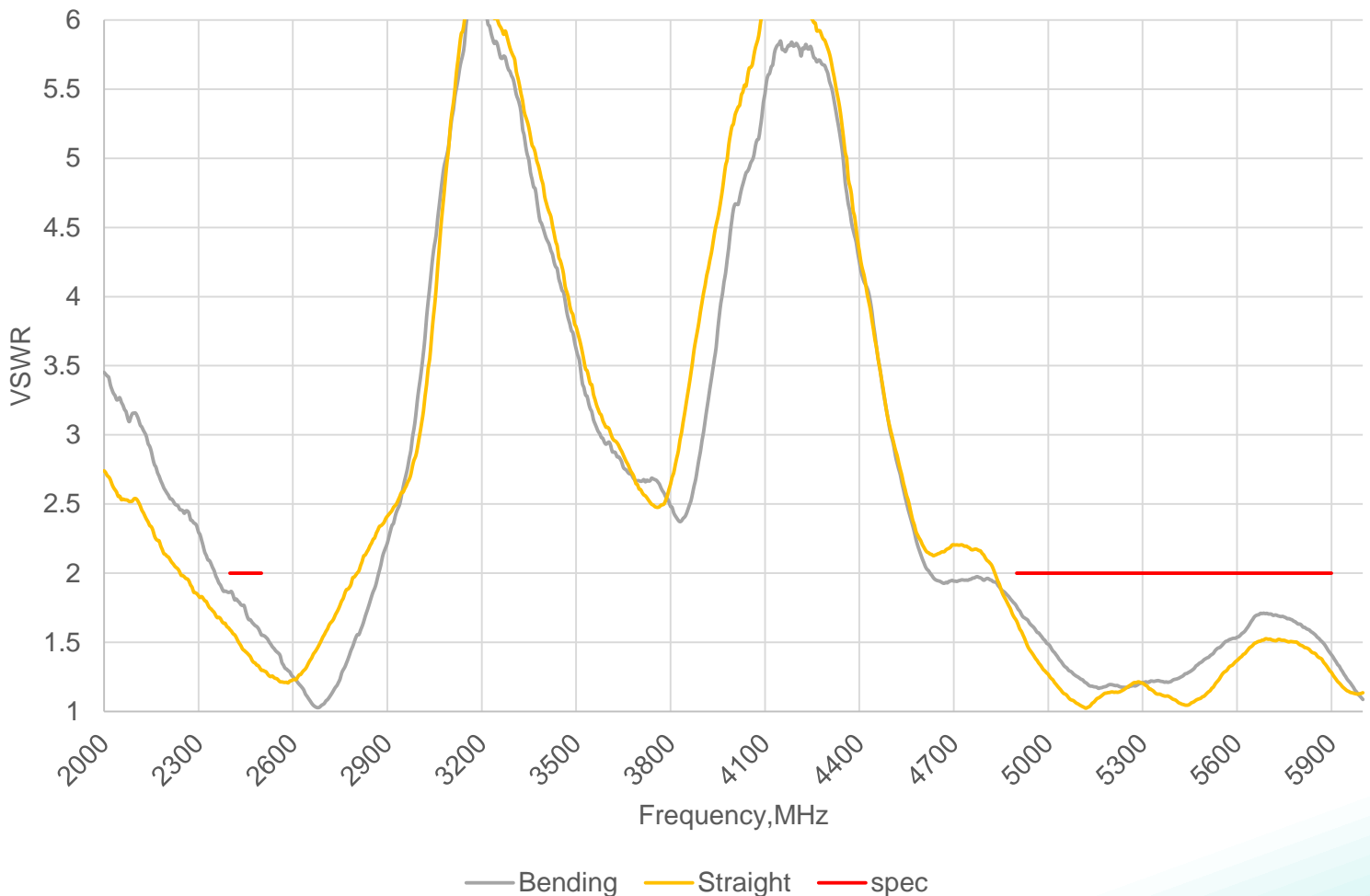
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OTHER SPECIFICATIONS

VSWR

VSWR vs Frequency measured in free space



Note: Performance of ICEBLADEWS tested in free space

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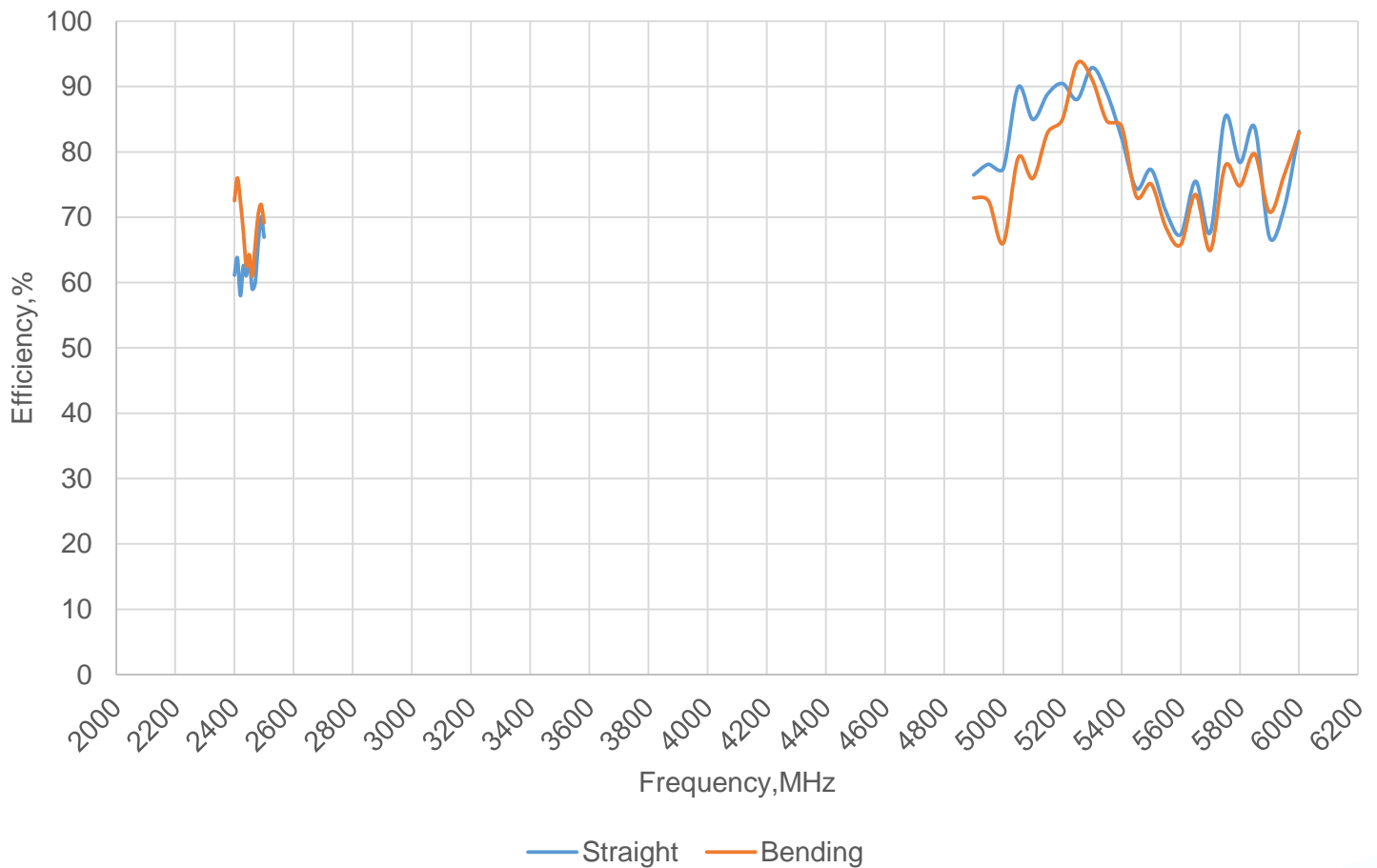
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CHARTS

Efficiency

Efficiency vs Frequency measured in free space



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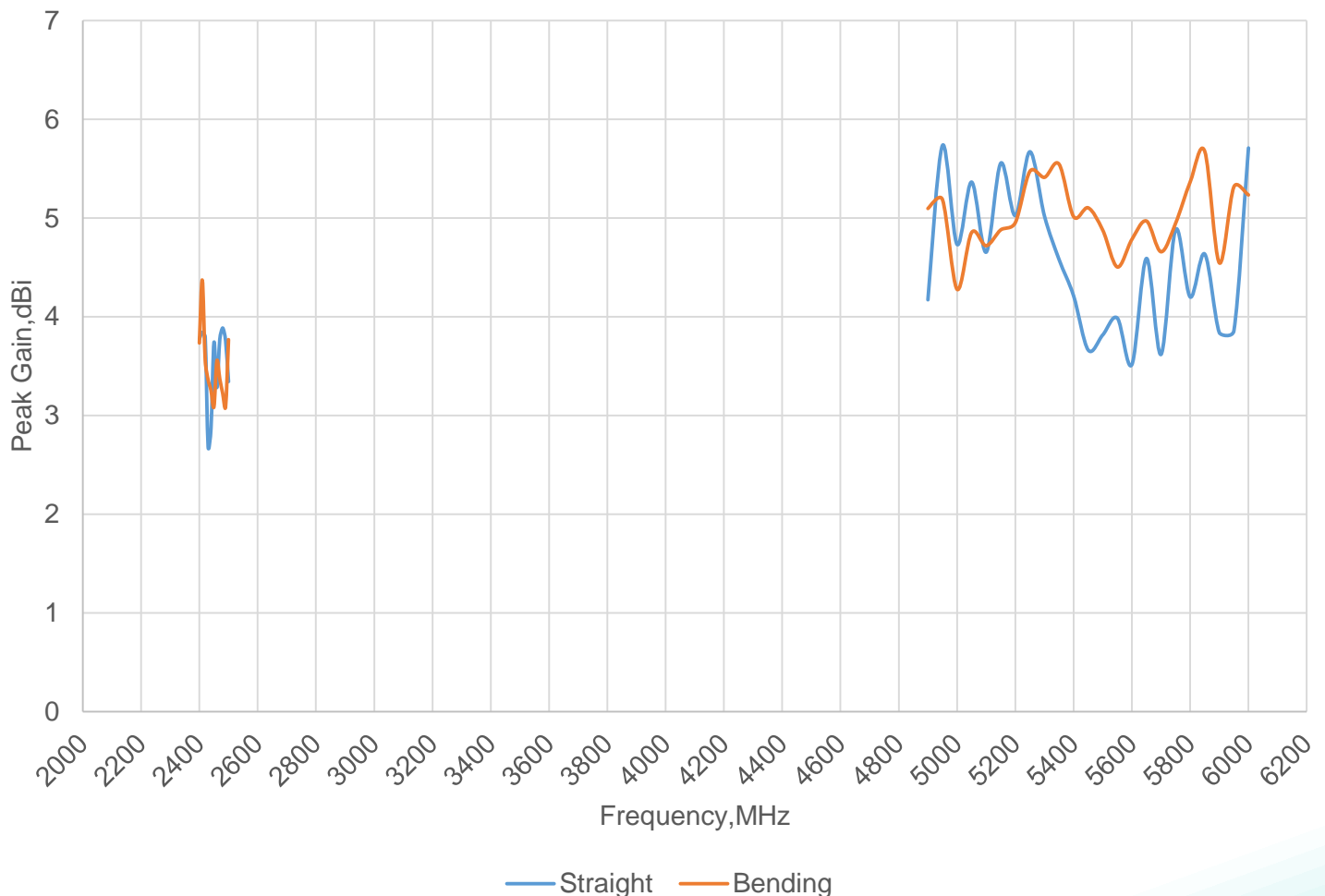
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CHARTS

Peak Gain

Peak Gain vs Frequency measured in free space



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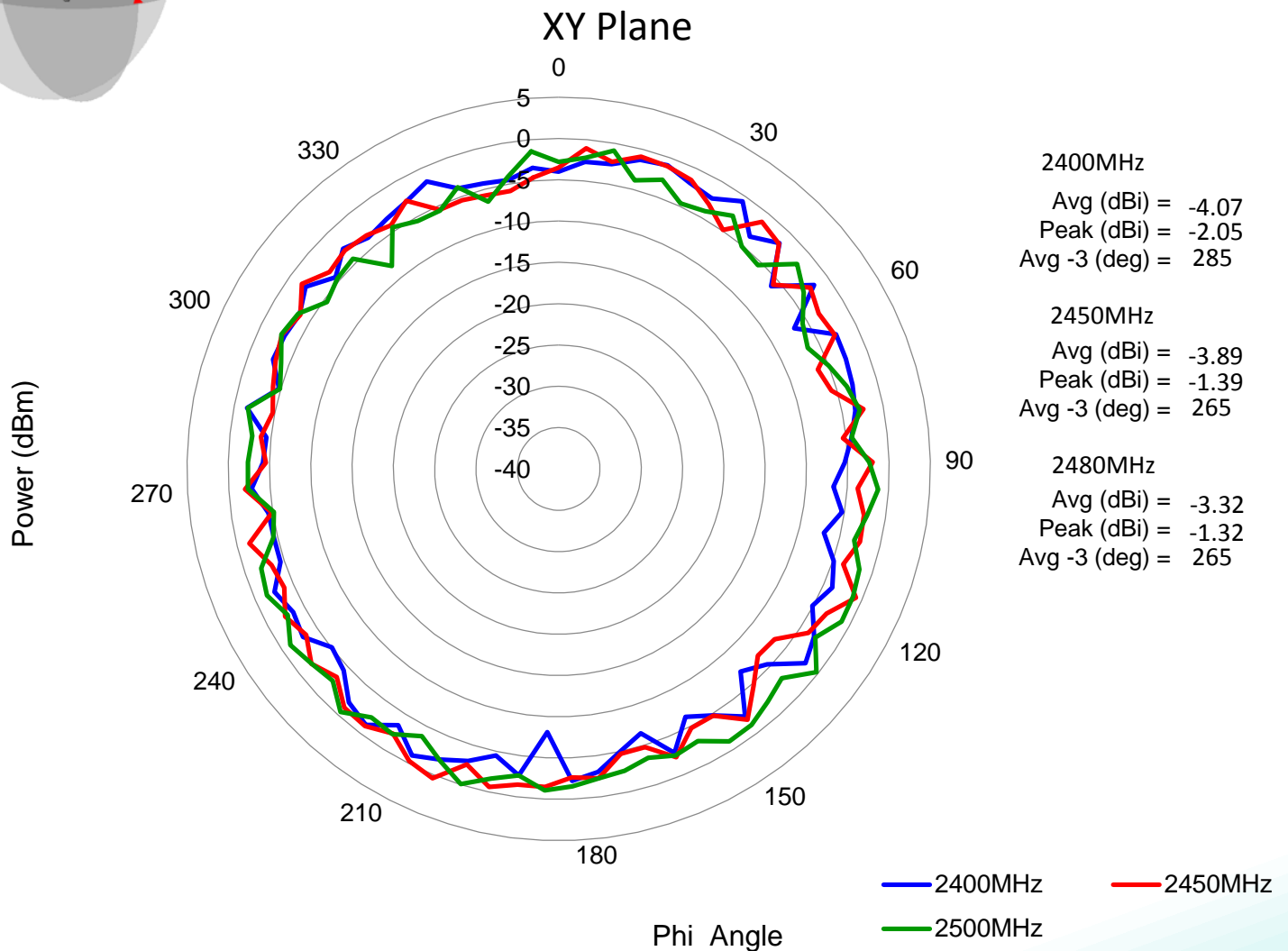
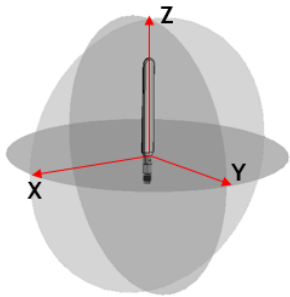
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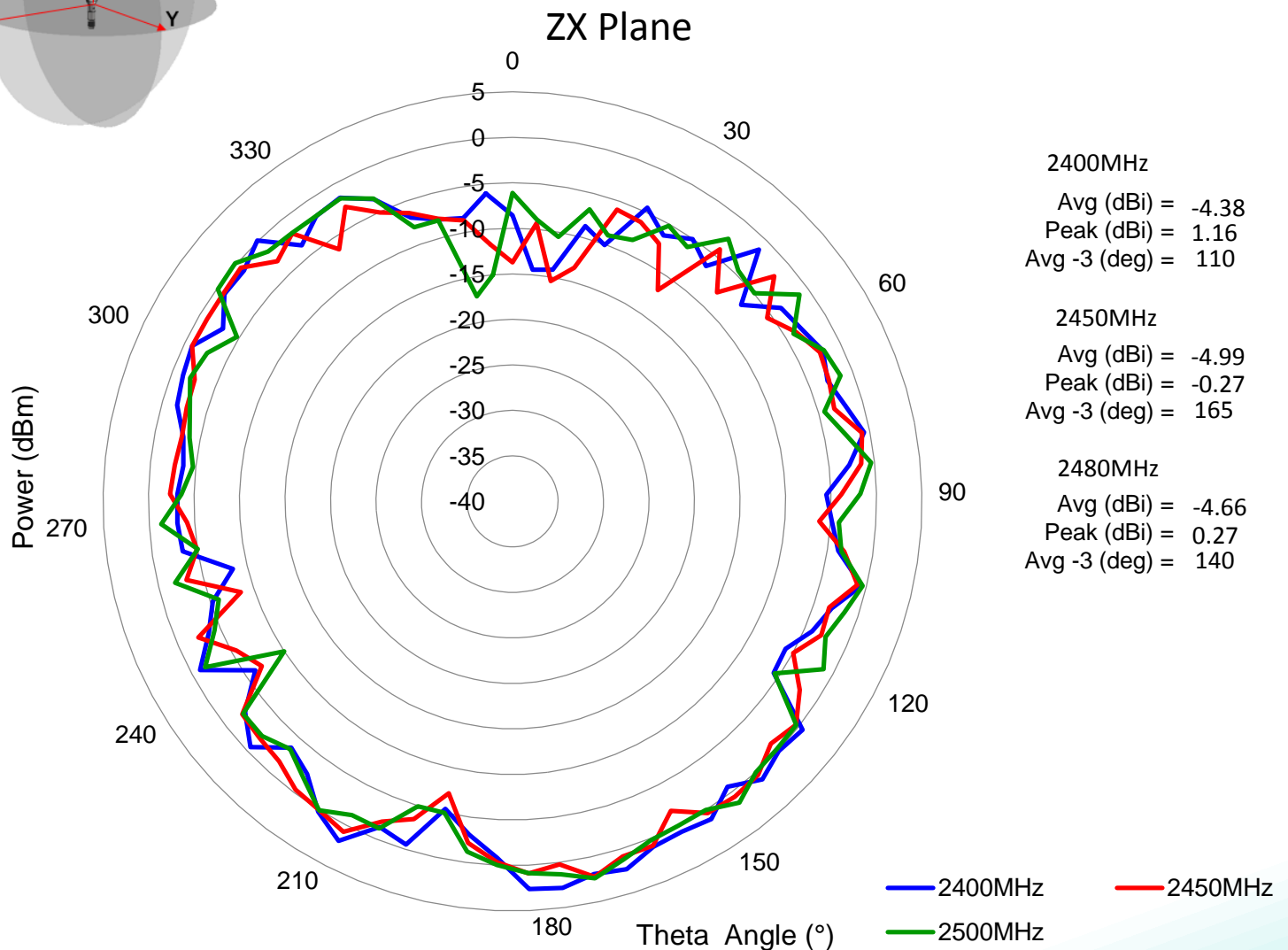
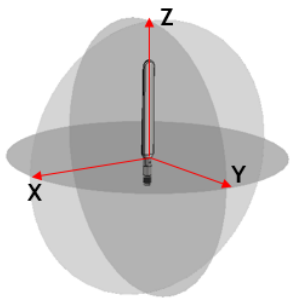
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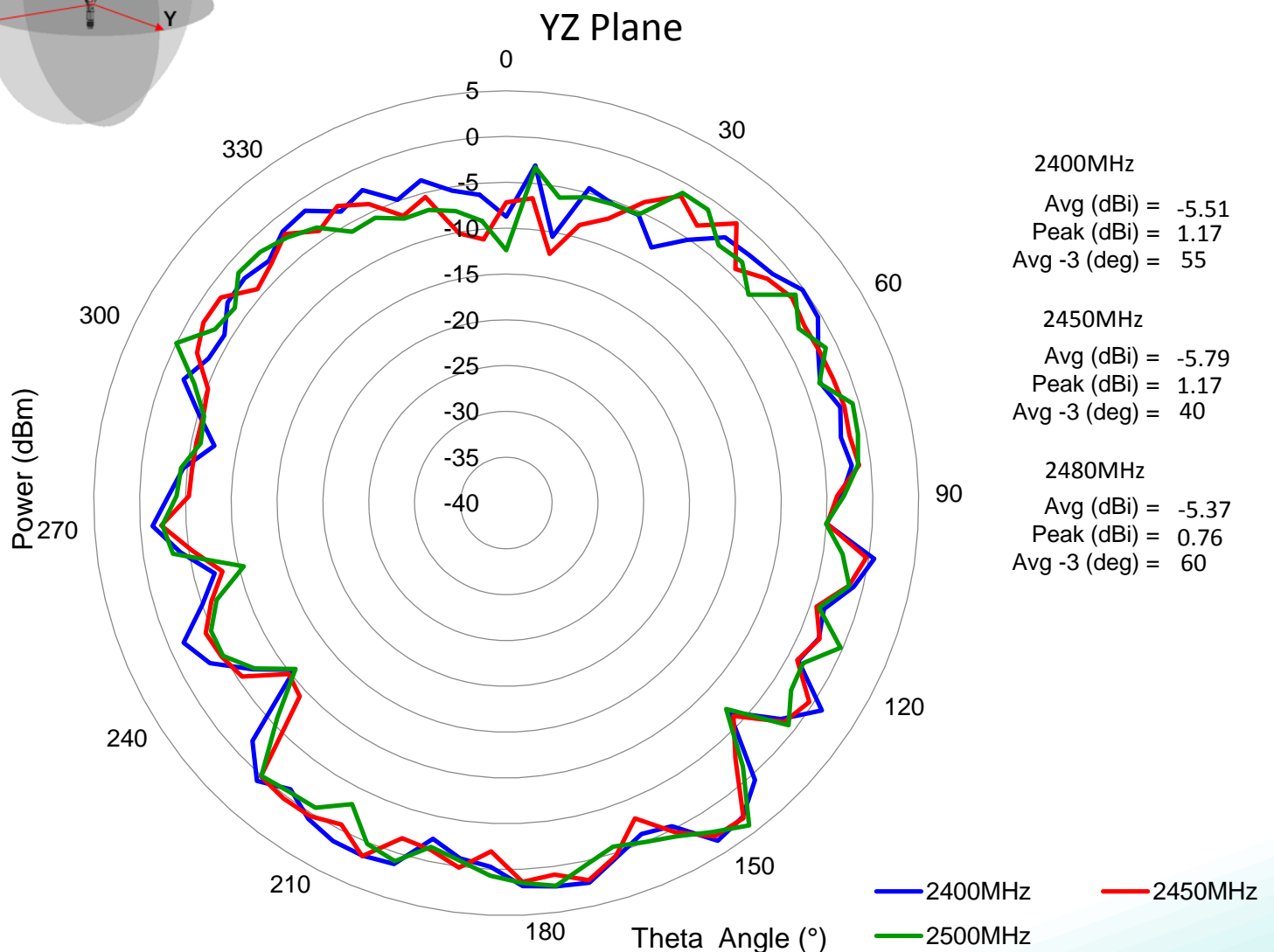
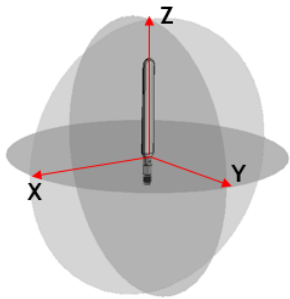
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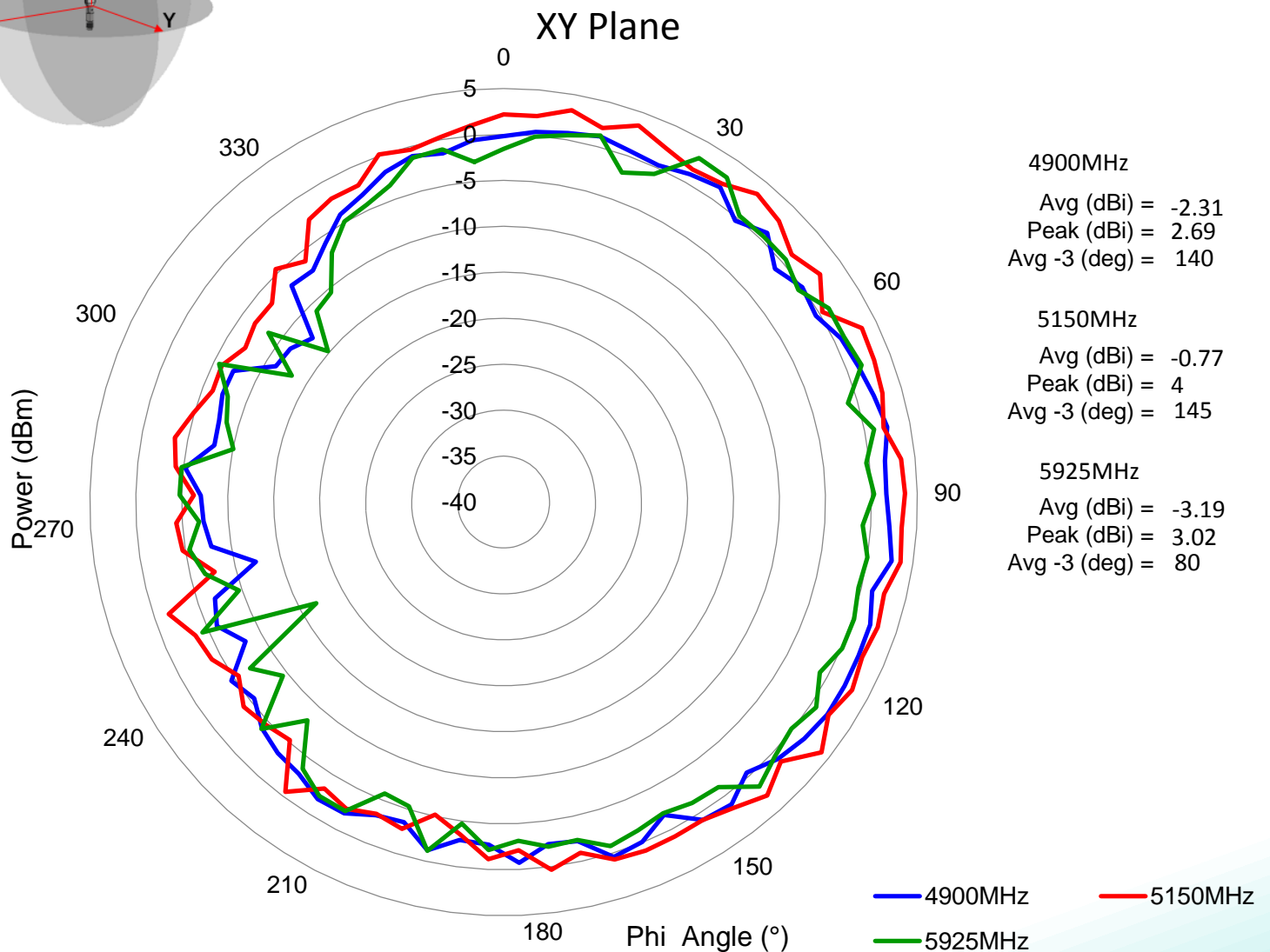
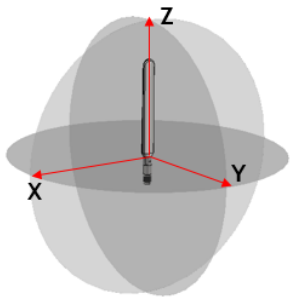
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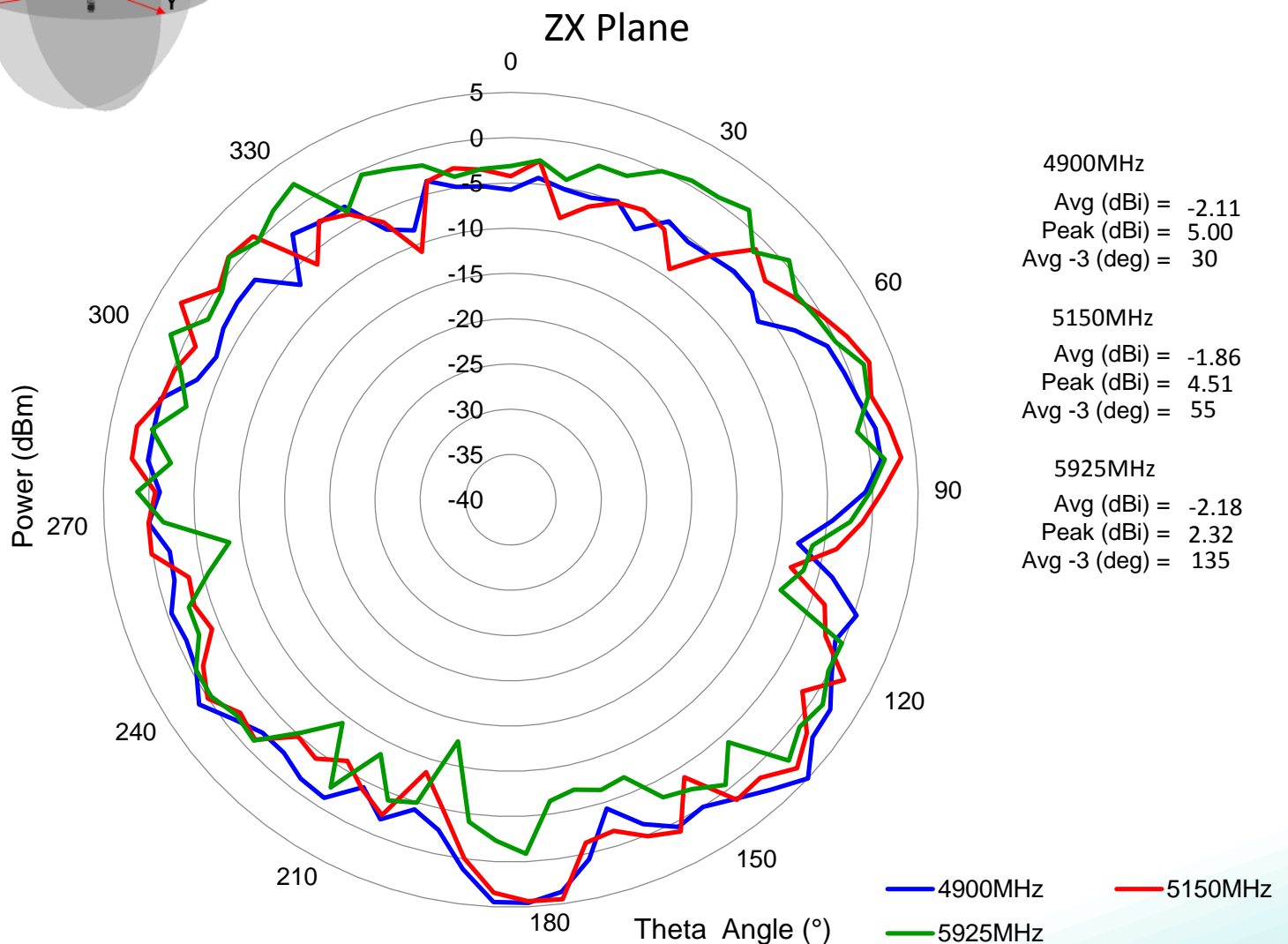
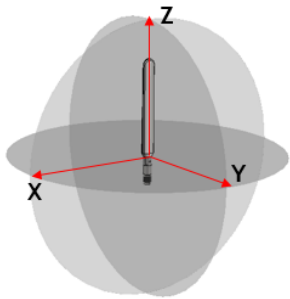
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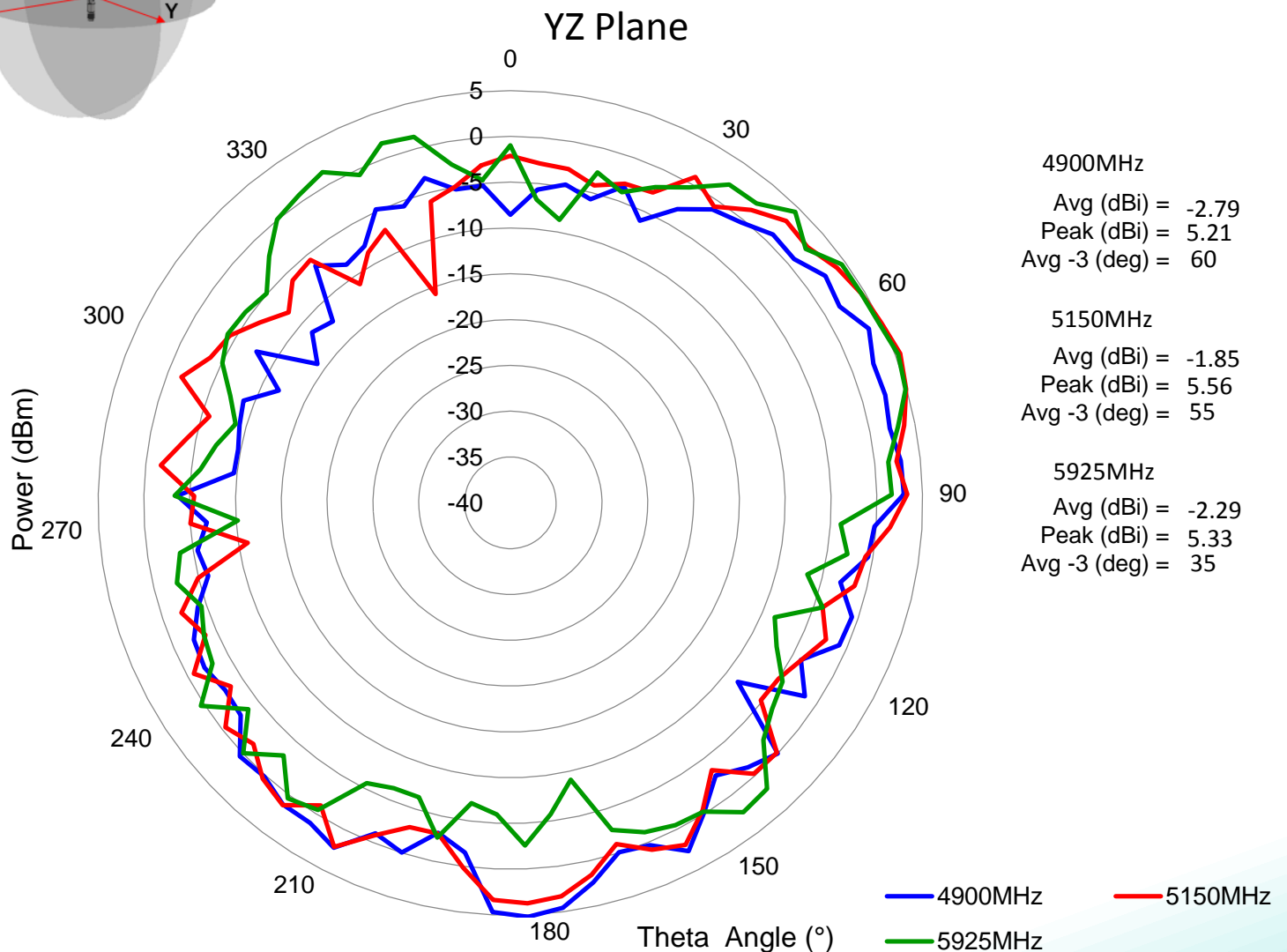
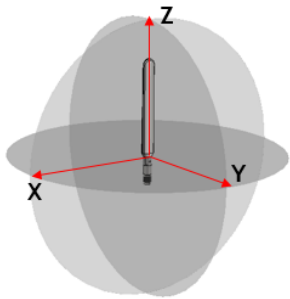
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PACKAGING

Pack 10 antennae in one box, each antenna has a PE bag with one label.

Mouser Electronics

Authorized Distributor

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Pulse:

ICEBLADEWS