

**Description: 868-928MHz Dipole Antenna**

**Series: Stick Antenna**

**PART NUMBER: W5017**

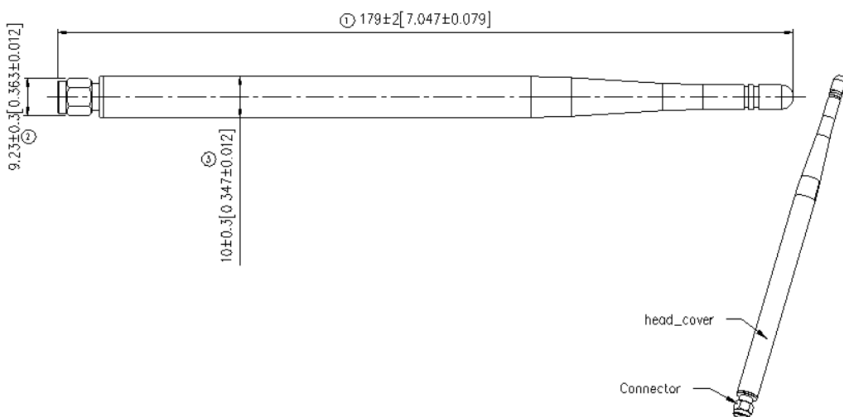


**Features:**

- Half wave dipole antenna
- Length 179mm
- Gain 0.9 dBi
- Connector SMA Male
- High Efficiency >70%
- Power rating 1W
- IP65 rated

**Applications:**

- ISM 868 / 915 MHz radios
- IoT, M2M
- Industry automation
- Remote controls
- Toys, Consumer electronics



All dimensions are in mm / inches

Issue: 1723

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

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**Description: 868-928MHz Dipole Antenna****Series: Stick Antenna****PART NUMBER: W5017****ELECTRICAL SPECIFICATIONS**

Frequency	868-928	MHz
Nominal Impedance	50	$\Omega$
VSWR	2.5	Max
Average efficiency	70	%
Peak Gain	0.9	dBi +/- 1 dB
Polarization:	Vertical	
Power withstanding	1	W
Connector type	SMA	

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**Description: 868-928MHz Dipole Antenna****Series: Stick Antenna****PART NUMBER: W5017****MECHANICAL SPECIFICATIONS**

Plastic radome	TPEE
Color	Black
Ingress Protection	IP65
Weight	16.6 g
Overall Length	7.047 INCHES

**ENVIRONMENTAL SPECIFICATIONS**

Operating temperature	-40/+85° C
Temperature	-40/+85° C
Salt mist	24hours

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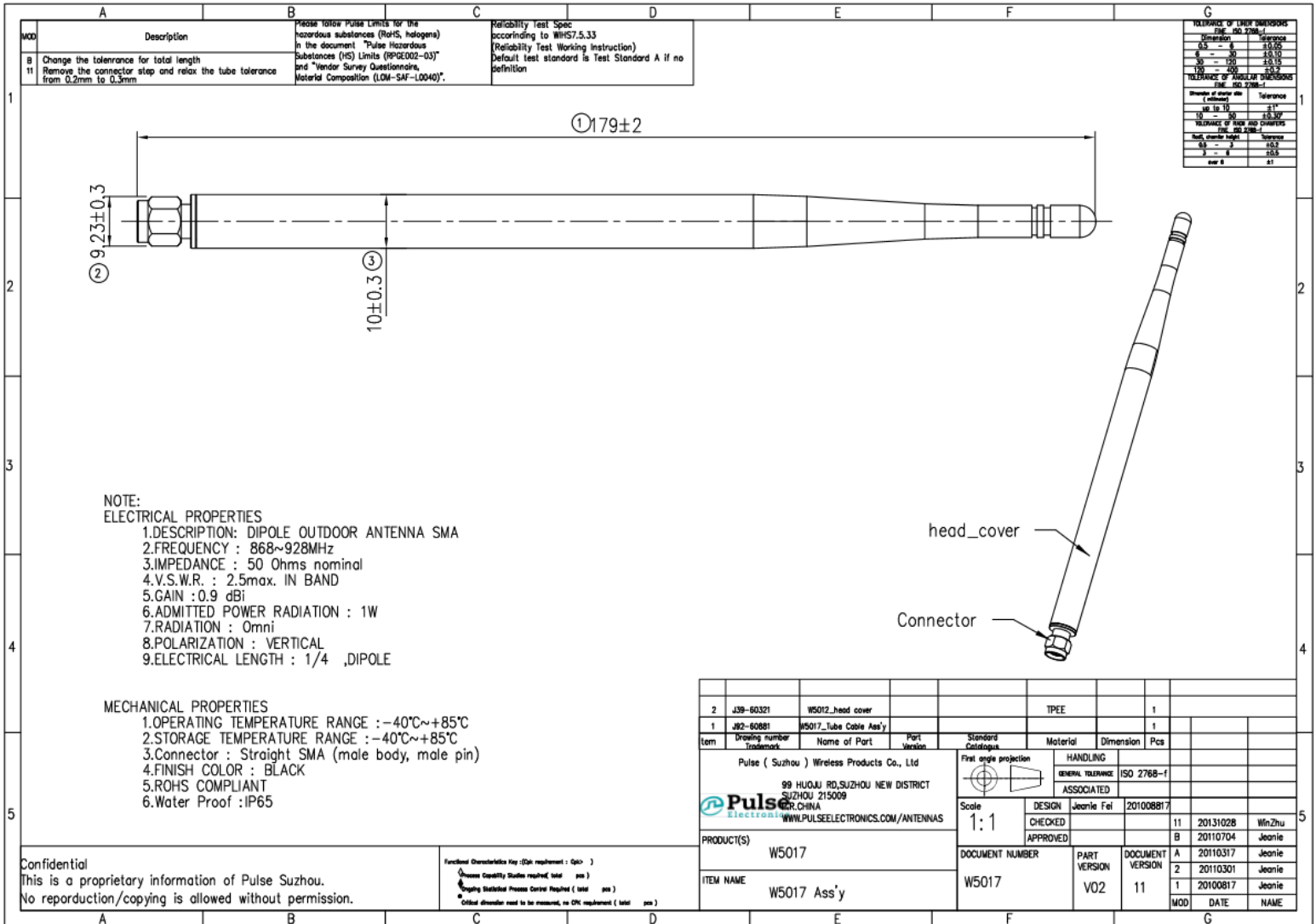
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MECHANICAL DRAWING



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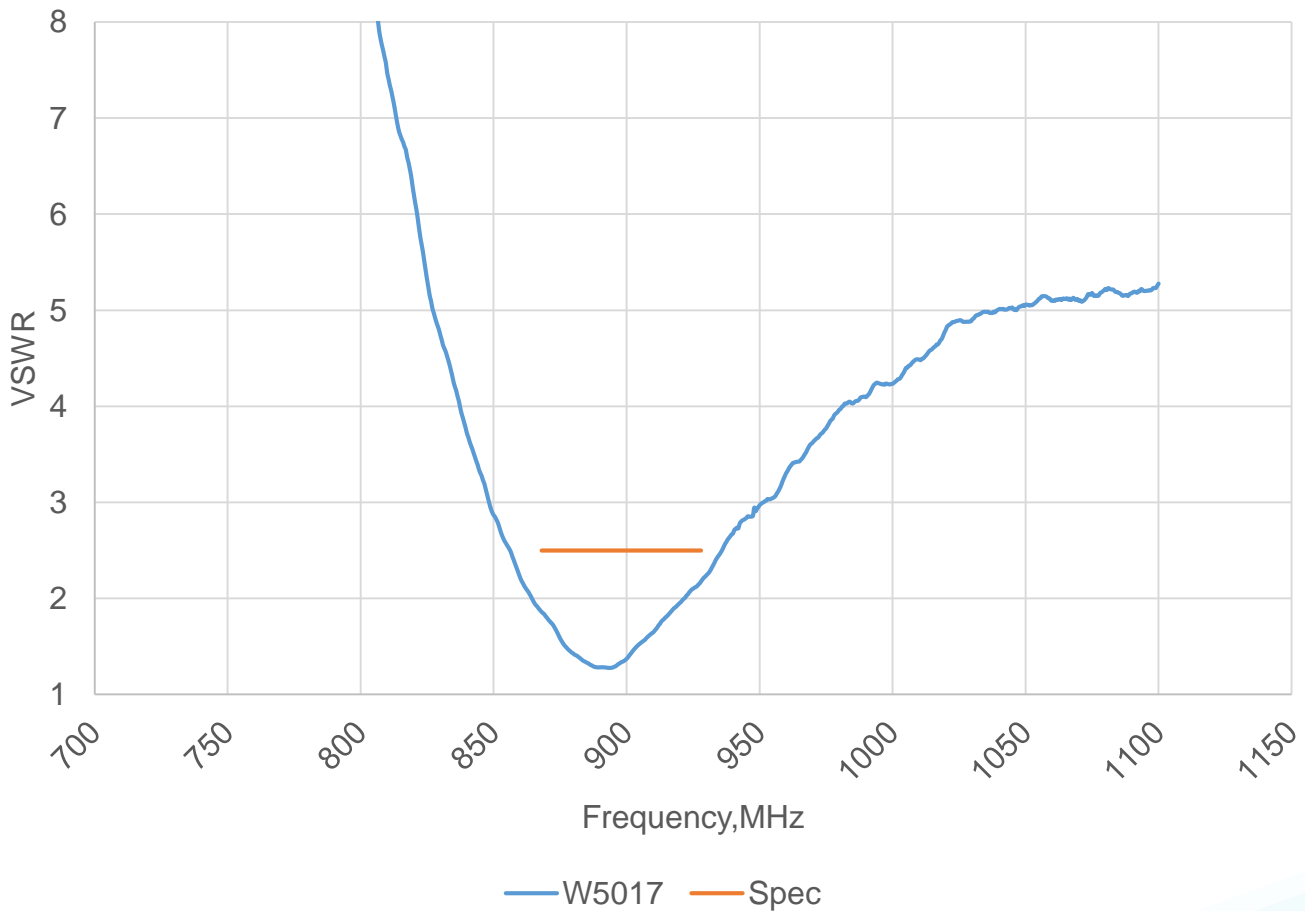
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CHARTS

VSWR

VSWR vs Frequency measured in free space  
W5017 measured in PSU



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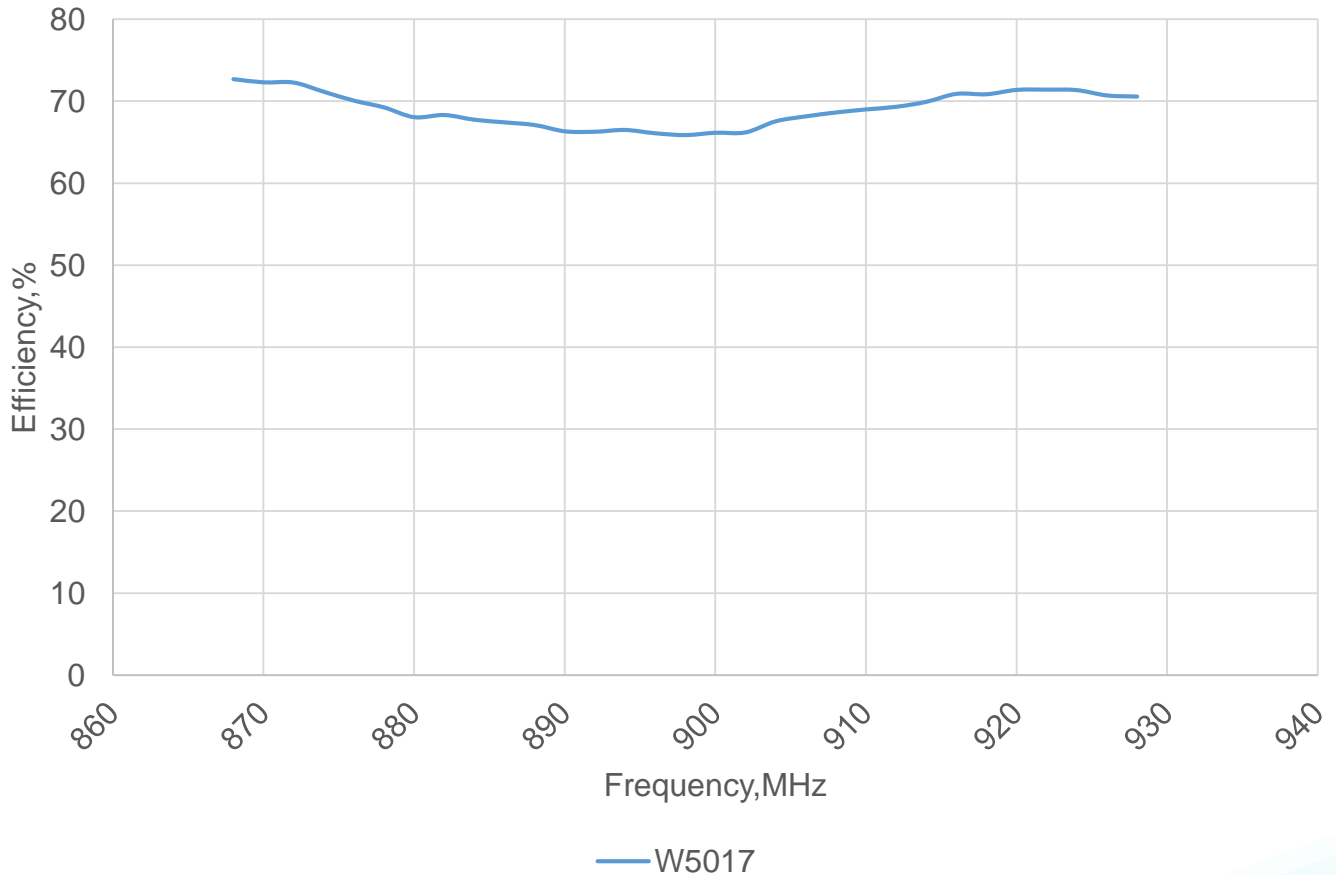
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CHARTS

Efficiency

Efficiency vs Frequency measured in free space  
W5017 measured in PSU



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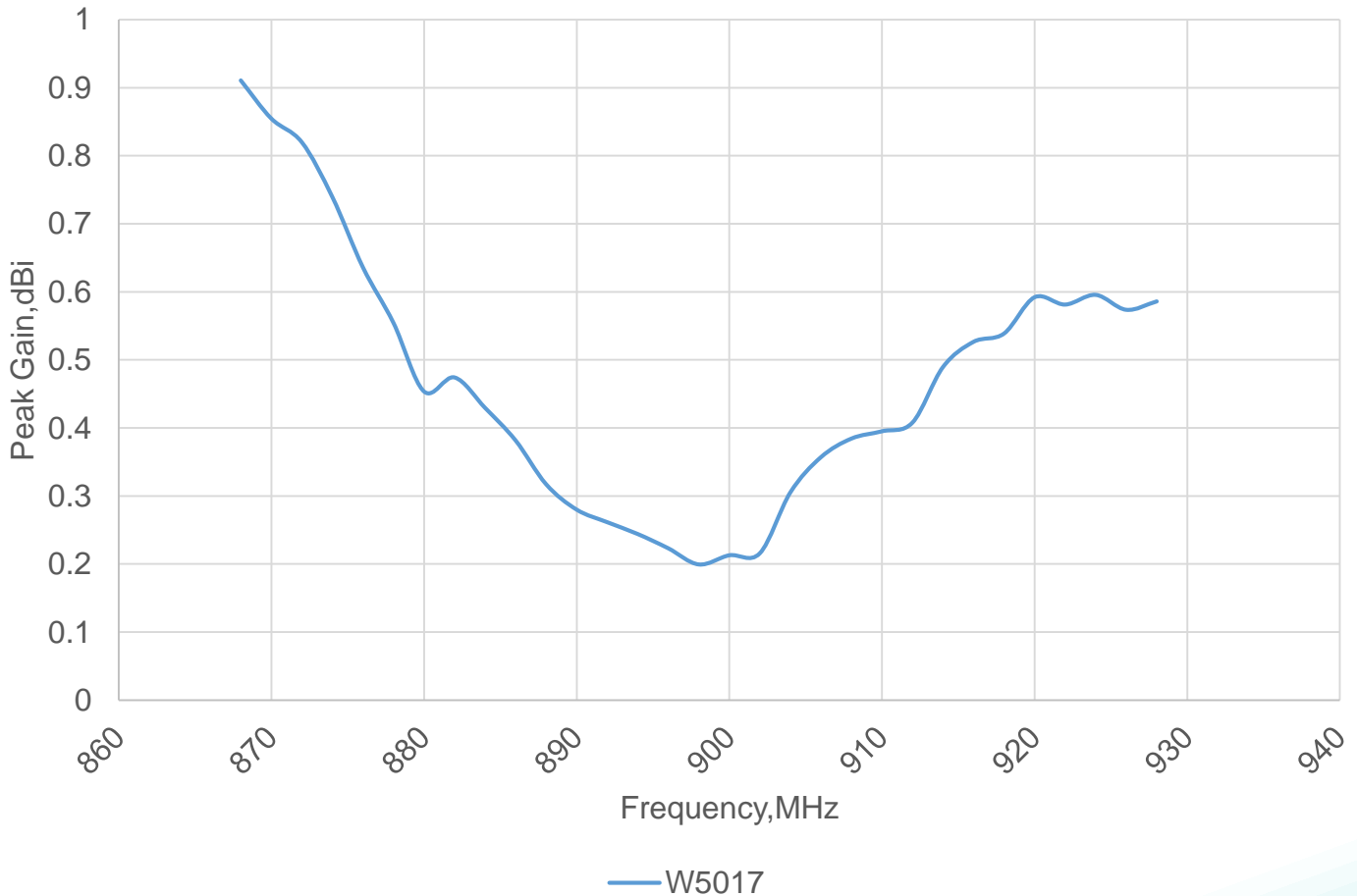
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CHARTS

Peak Gain

Peak Gain vs Frequency measured in free space  
W5017 measured in PSU



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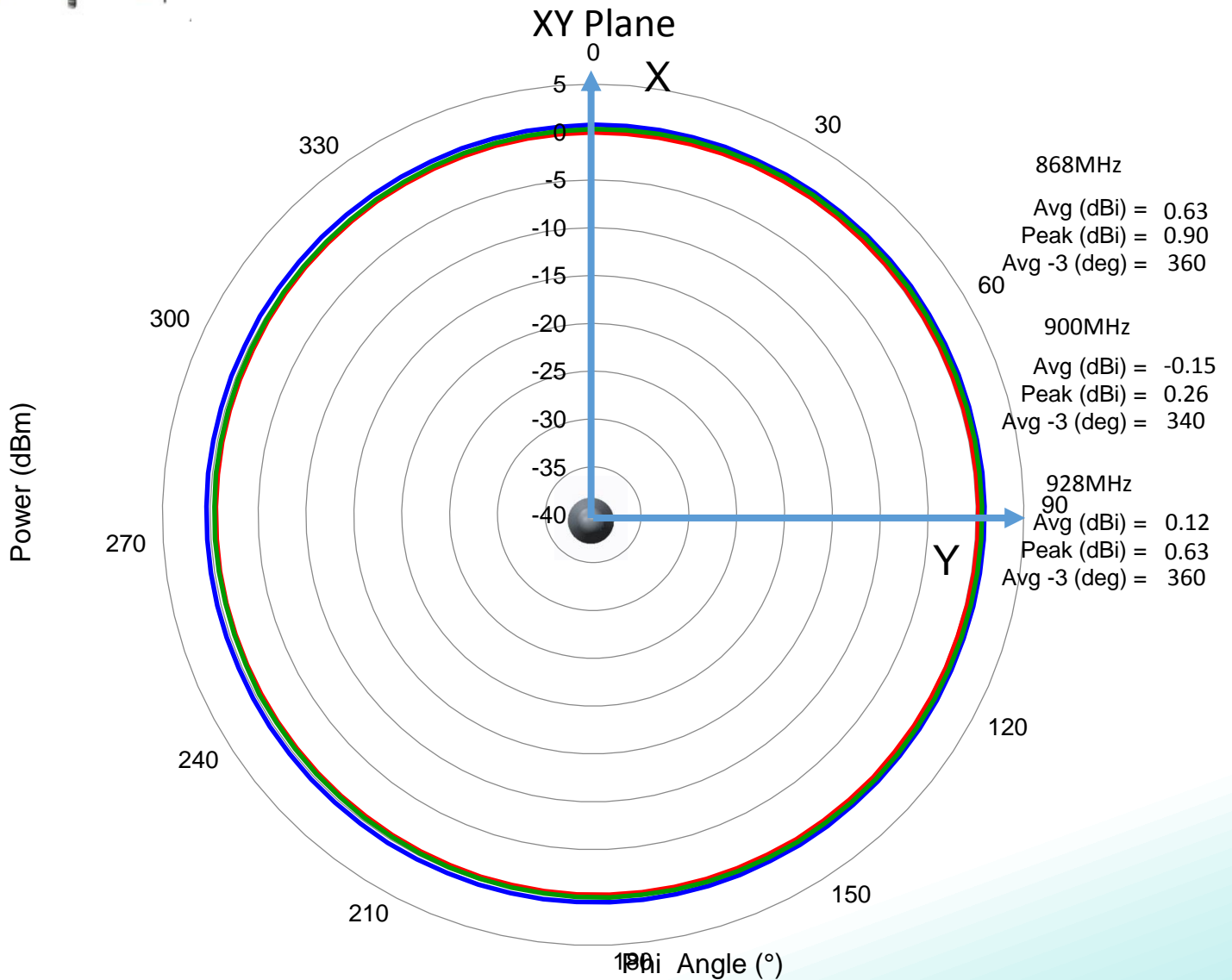
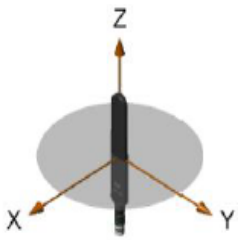
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CHARTS

Gain Plots



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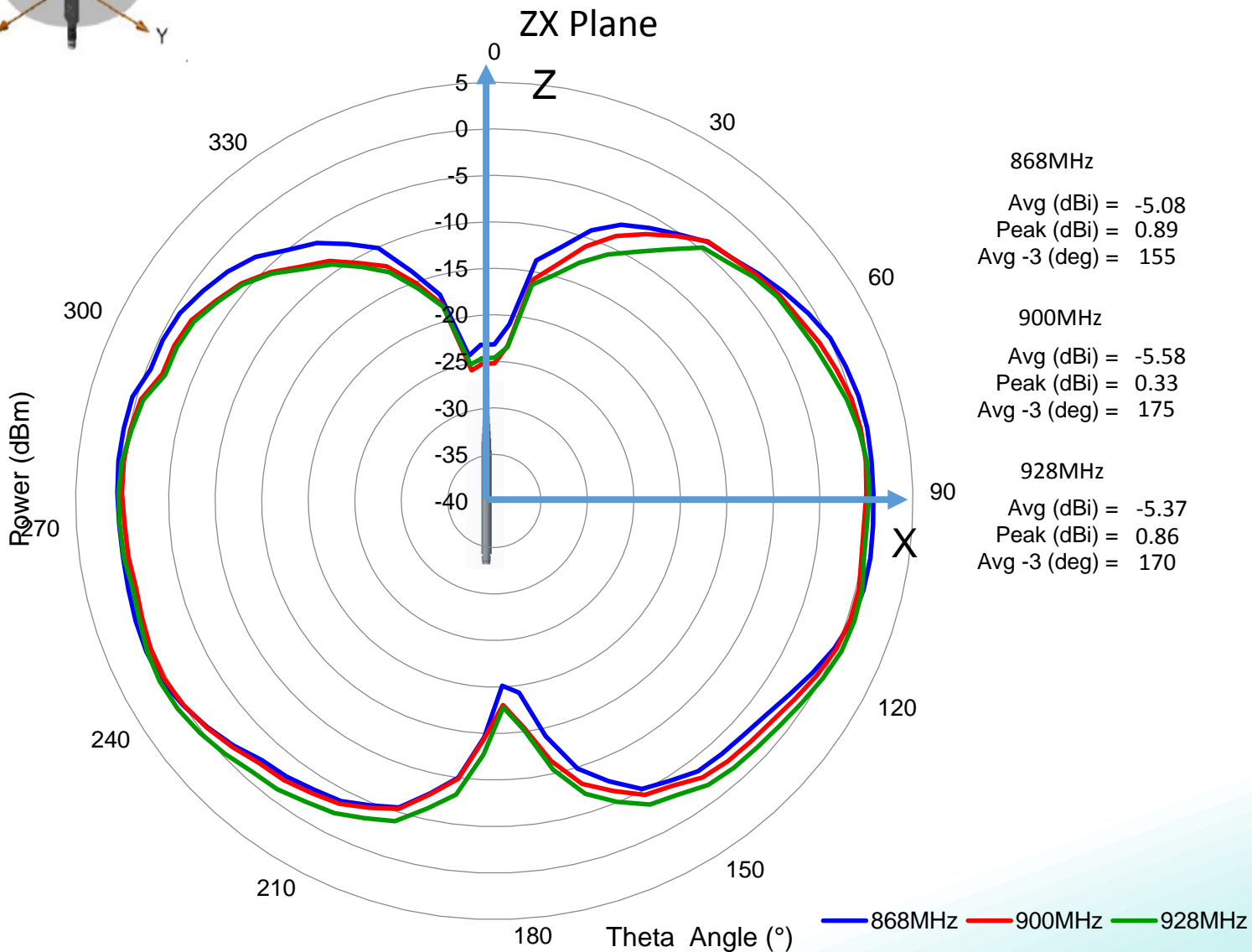
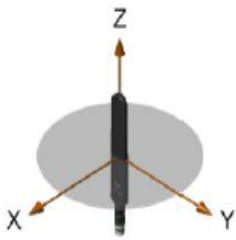
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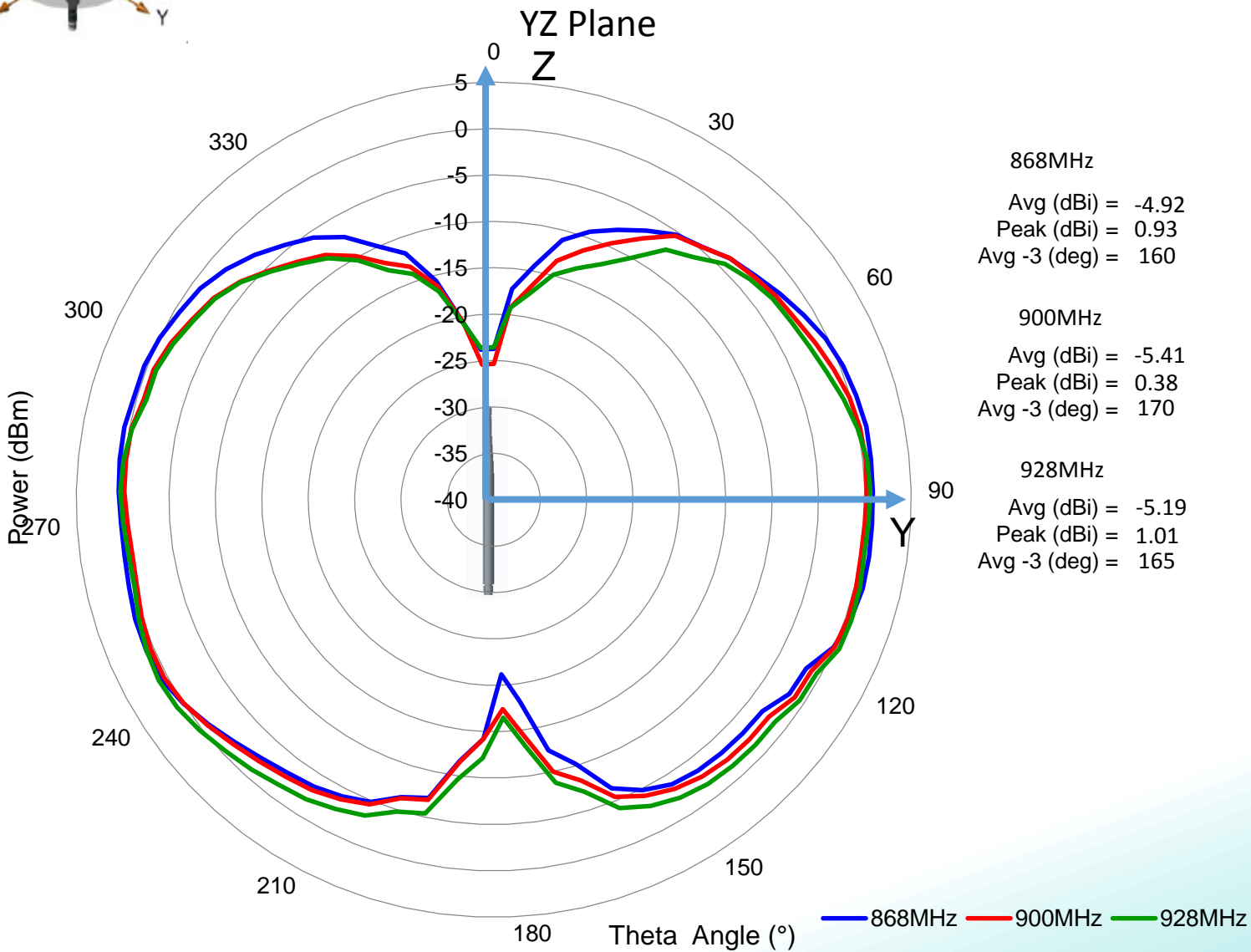
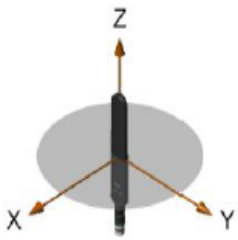
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## PACKAGING

600 pcs antenna per box

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