

Description: 868-928MHz Dipole Antenna

Series: Stick Antenna

PART NUMBER: W5017

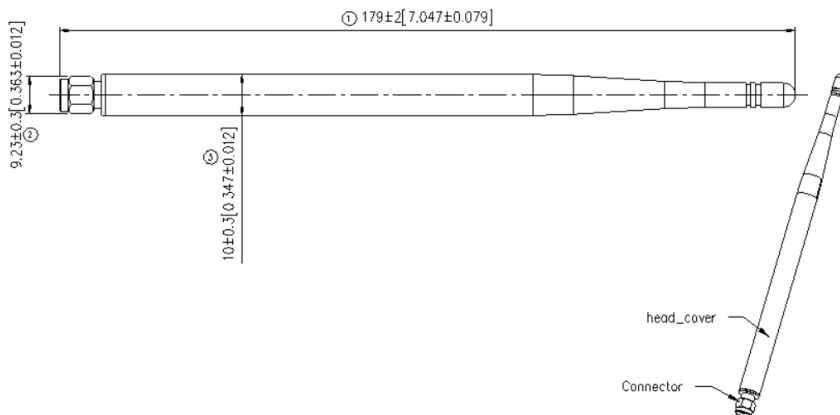


Features:

- 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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Tel: 86 512 6807 9998



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ELECTRICAL SPECIFICATIONS

Frequency	868-928	MHz
Nominal Impedance	50	Ω
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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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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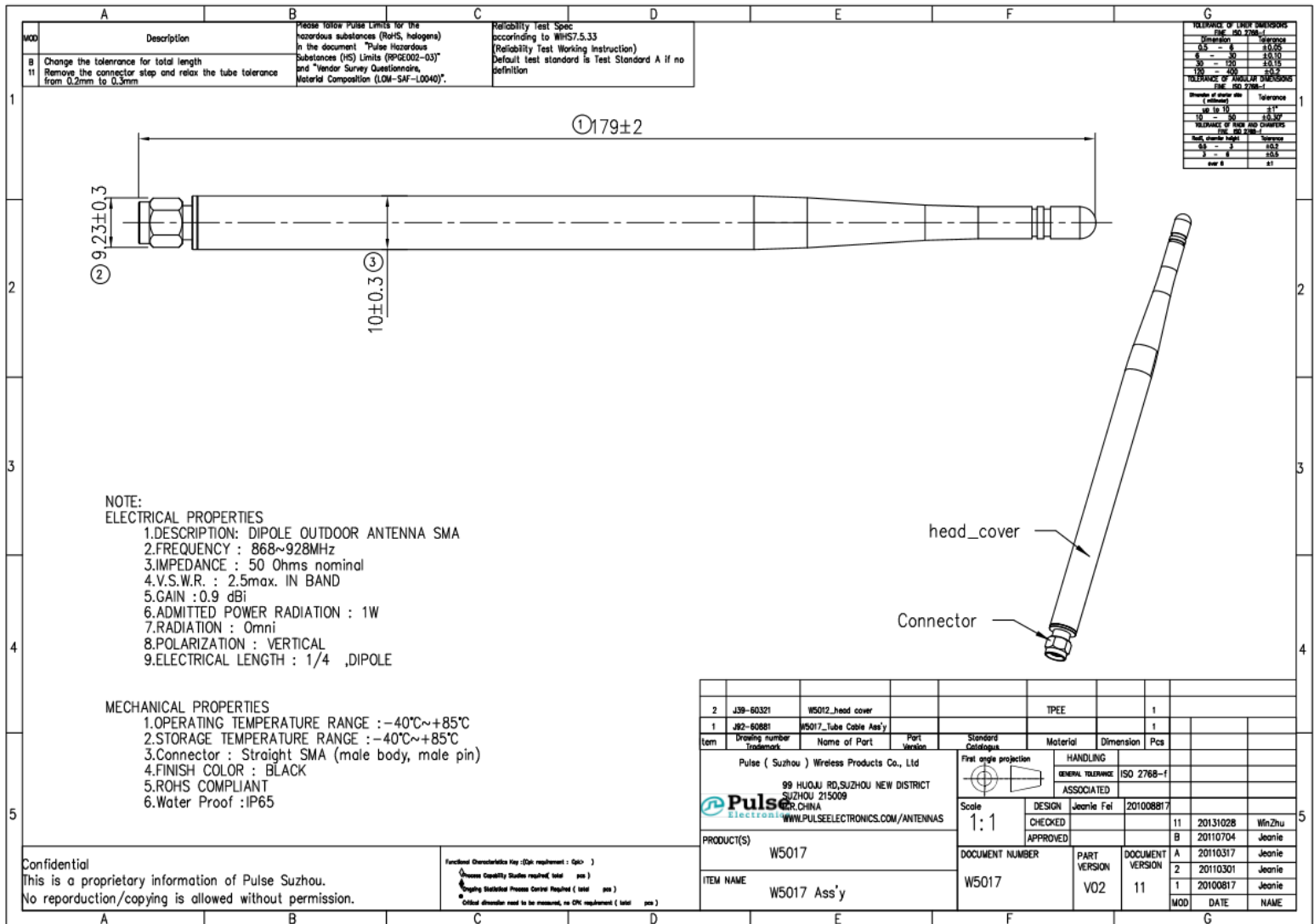
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MECHANICAL DRAWING



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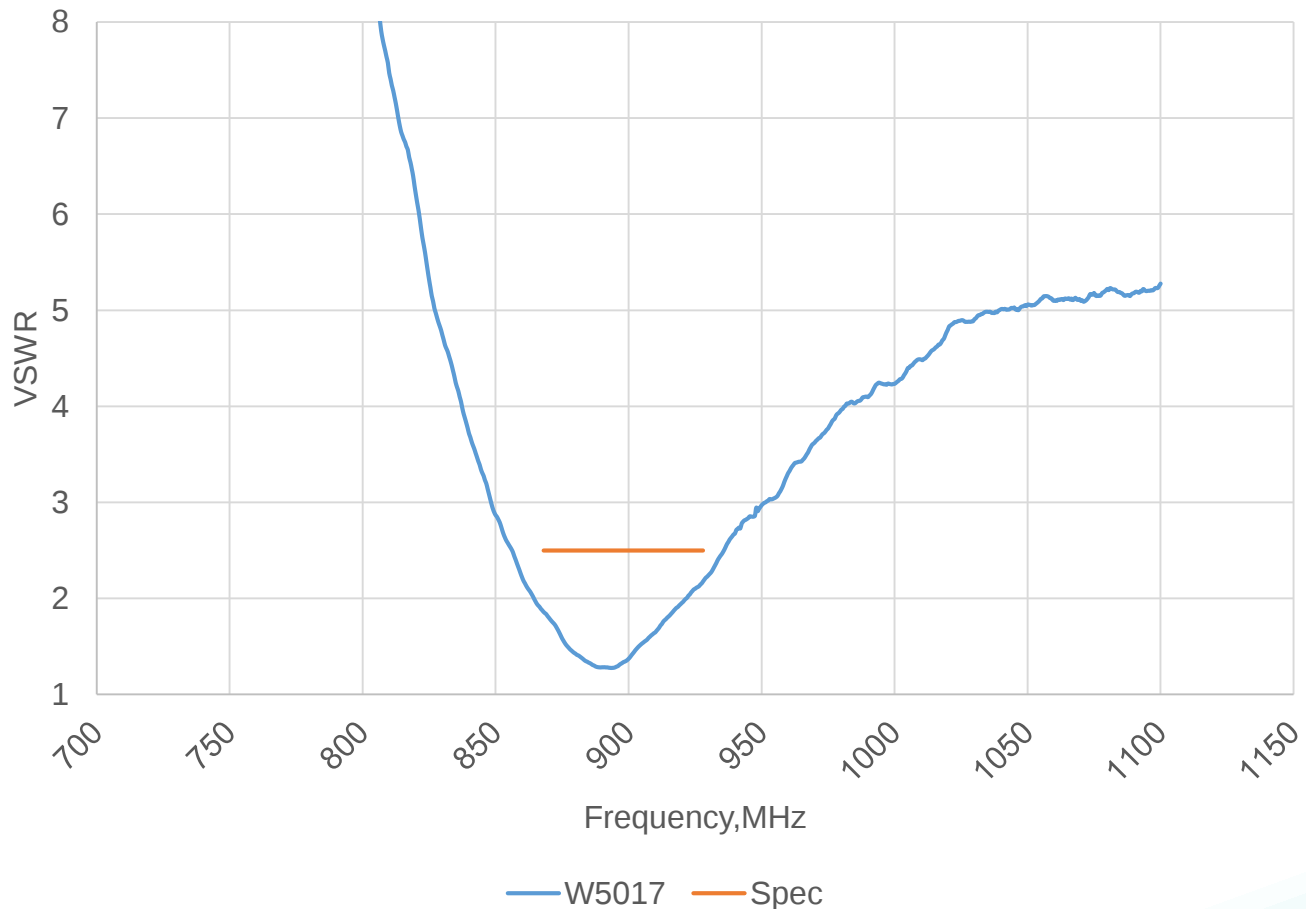
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CHARTS

VSWR

VSWR vs Frequency measured in free space
W5017 measured in PSU



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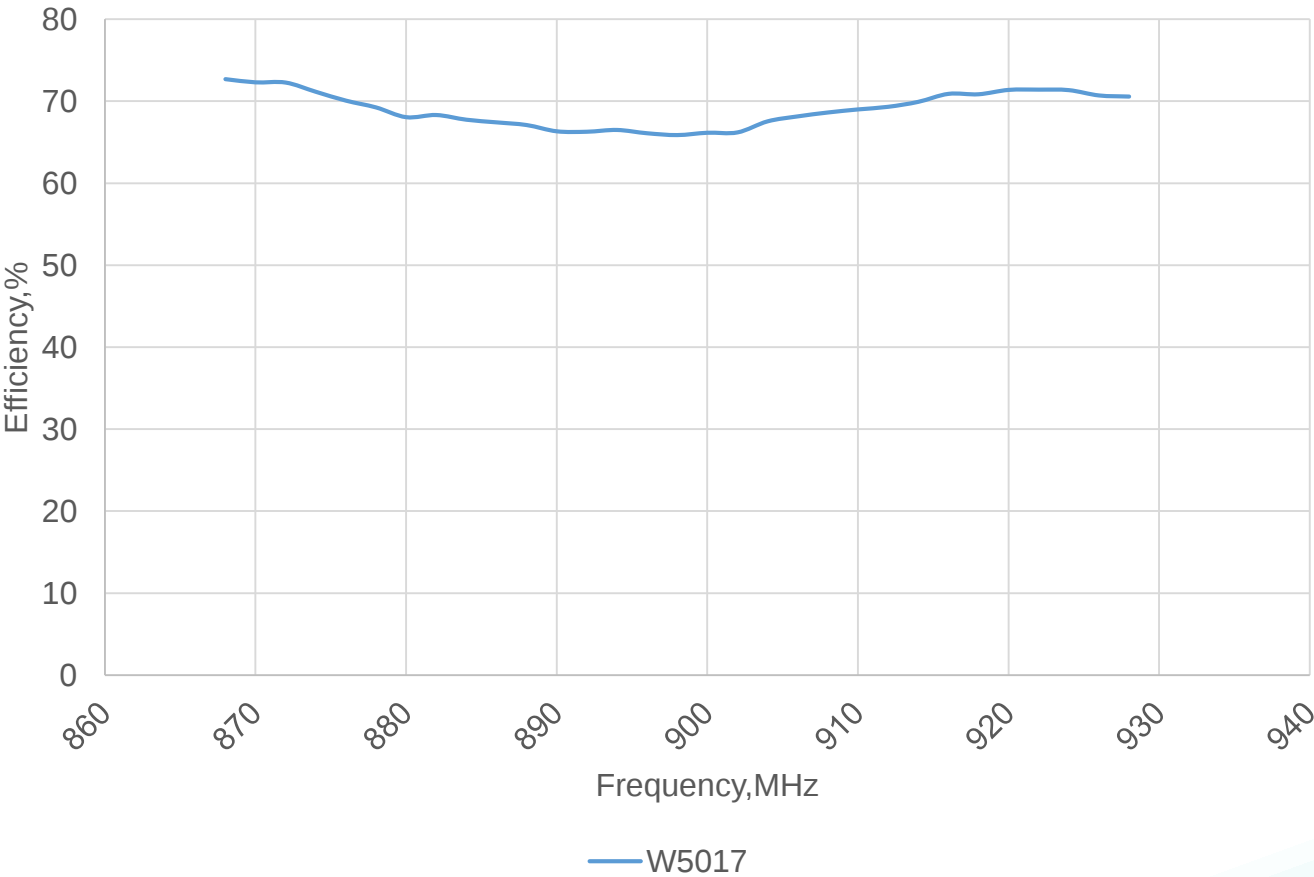
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CHARTS

Efficiency

Efficiency vs Frequency measured in free space
W5017 measured in PSU



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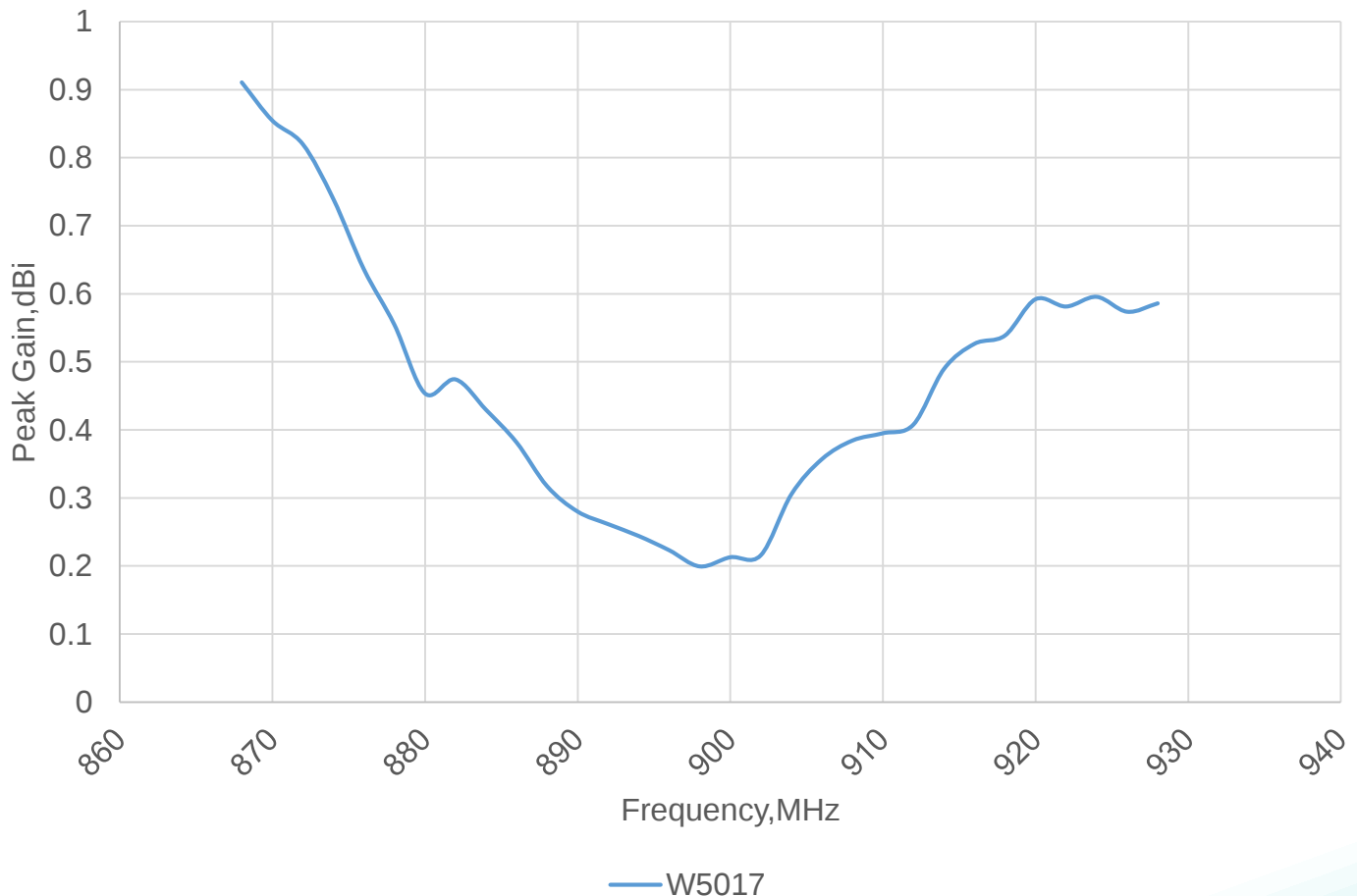
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CHARTS

Peak Gain

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



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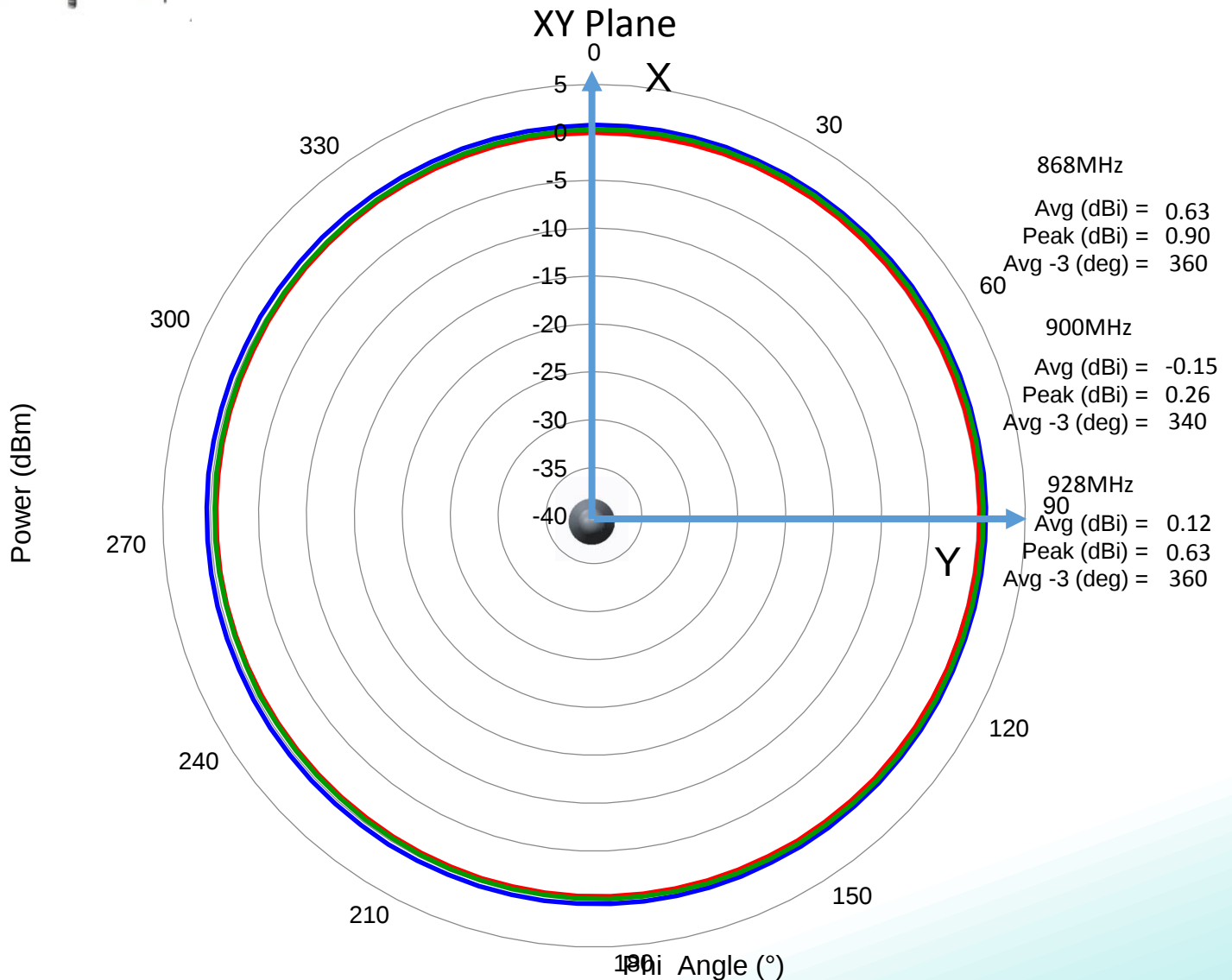
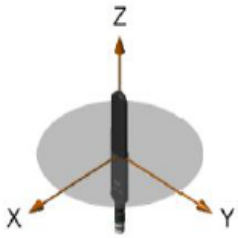
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CHARTS

Gain Plots



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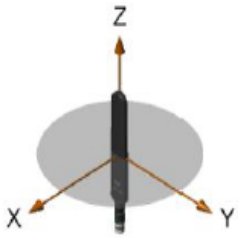
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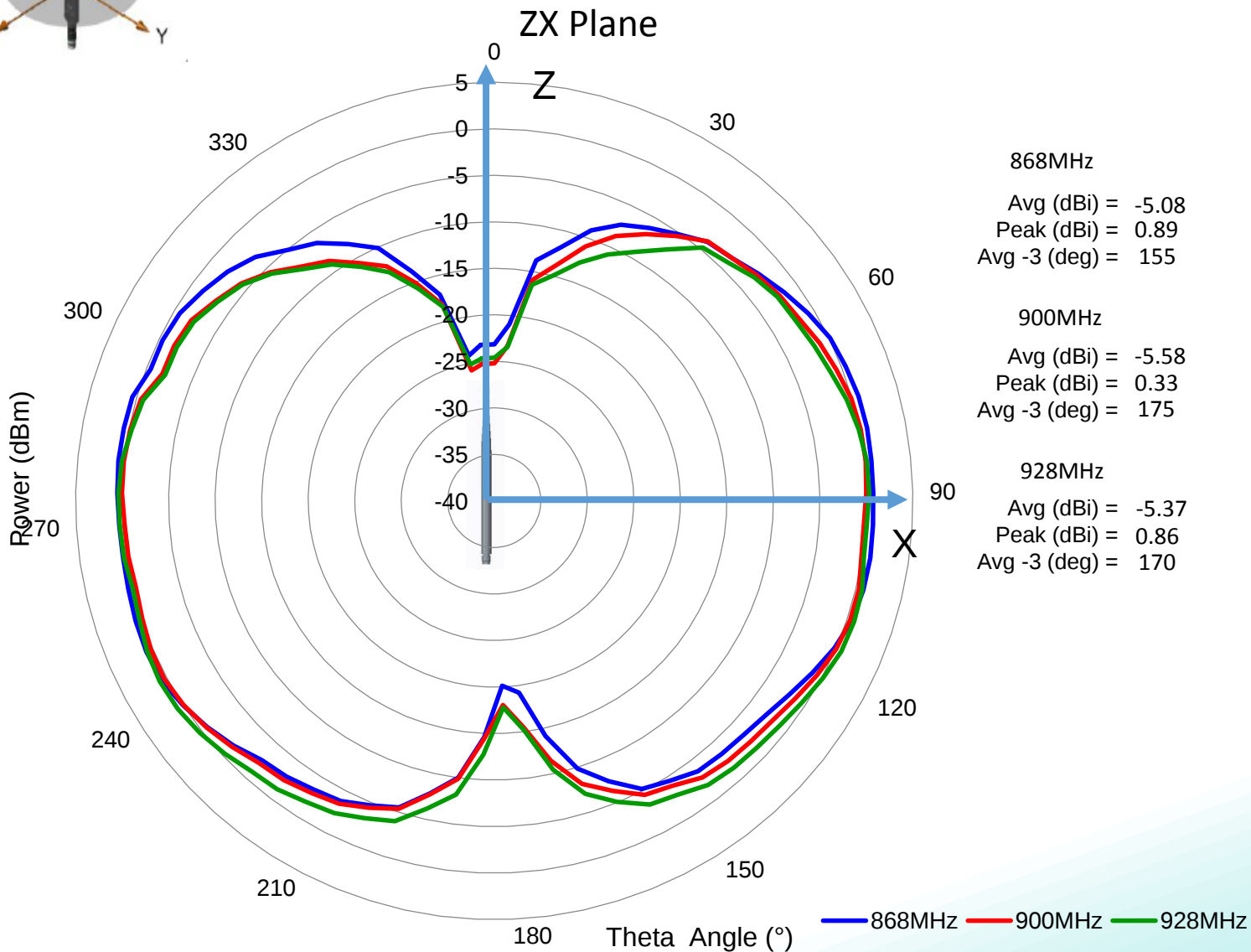
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CHARTS



Gain Plots



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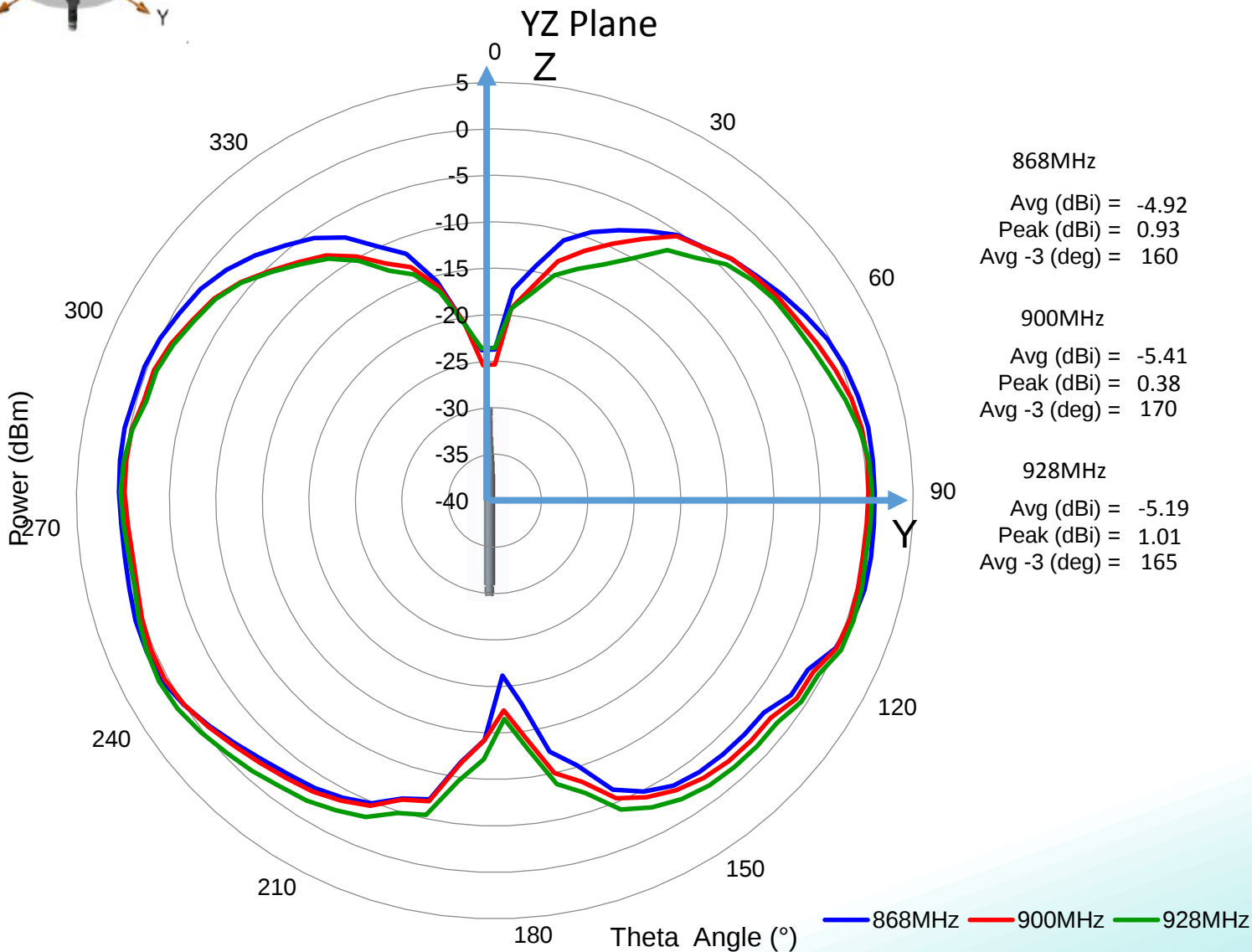
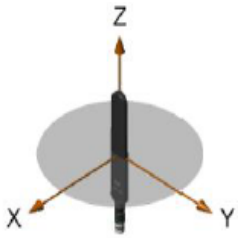
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PACKAGING

600 pcs antenna per box