

**Features:**

- 617-960 / 1430-7125 MHz
- Gain 0.9 / 3.8 dBi
- Efficiency 58 / 70 %
- Length 223mm (straight)
- IP 65
- Connector SMA Male

**Applications:**

- 5G FR1
- 2G/3G/4G compatible
- WiFi 6E 7GHz supported
- Access points
- Routers, Gateways
- IoT, Nb-IoT, LTE CAT-M1

All dimensions are in mm / inches

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For more information:

Pulse Worldwide Headquarters  
15255 Innovation Drive #100  
San Diego, CA 92128  
USA  
Tel: 1-858-674-8100

Pulse/Larsen Antennas  
18110 SE 34<sup>th</sup> St Bldg 2 Suite 250  
Vancouver, WA 98683  
USA  
Tel: 1-360-944-7551

Europe Headquarters  
Pulse GmbH & Do, KG  
Zeppelinstrasse 15  
Herrenberg, Germany  
Tel: 49 7032 7806 0

Pulse (Suzhou) Wireless Products Co, Inc.  
99 Huo Ju Road(#29 Bldg,4<sup>th</sup> Phase  
Suzhou New District  
Jiangsu Province, Suzhou 215009 PR China  
Tel: 86 512 6807 9998

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**ELECTRICAL SPECIFICATIONS**

Frequency	617-960/1430-7125MHz
Nominal Impedance	50 $\Omega$
Return Loss	<-6
Radiation Pattern	Omni
Gain(617-960MHz)	0.9dBi+/-1dB
Gain(1430-7125MHz)	3.8dBi+/-2dB
Efficiency (617-960MHz)	58%
Efficiency (1430-7125MHz)	70%
Polarization	Vertical
Power Withstanding	3W

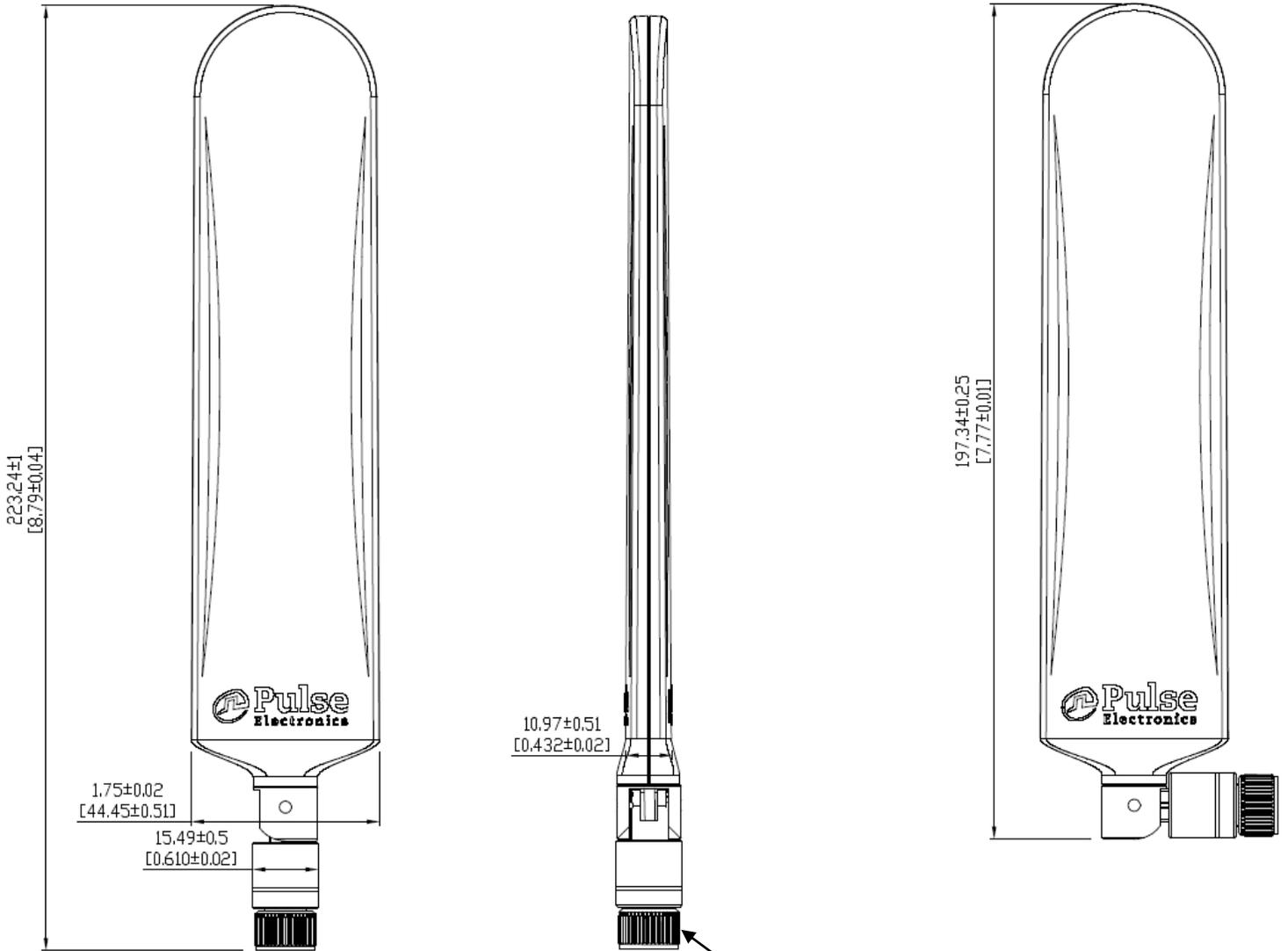
**MECHANICAL SPECIFICATIONS**

Plastic radome	ABS/PC
Color	Black
Connector type	SMA Male
Flammability	UL94-V0
Ingress Protection	IP65
Weight	56.8 g
Overall Length	223.24[8.79] mm [INCHES]
Position	0°, 45° & 90°

**ENVIRONMENTAL SPECIFICATIONS**

Operating temperature range	-40/+85 °C
Non-operating temperature range	-40/+85 °C
Temperature Shock	3 CYCLES, -25°C TO +70°C AT 5°PER MIN
Humidity	Mil-Std-810 Method 507.3, Procedure III 5 cycles @ 95% RH
Vibration	5-500 Hz FREQ, MIL STD 810 G section 514.4
Mechanical Shocks	4.78 m/s
Drop test	1 meter, 10 times to tile

## MECHANICAL DRAWING



SMA Male Connector  
Rotation Friction: 400-1200 gf·cm

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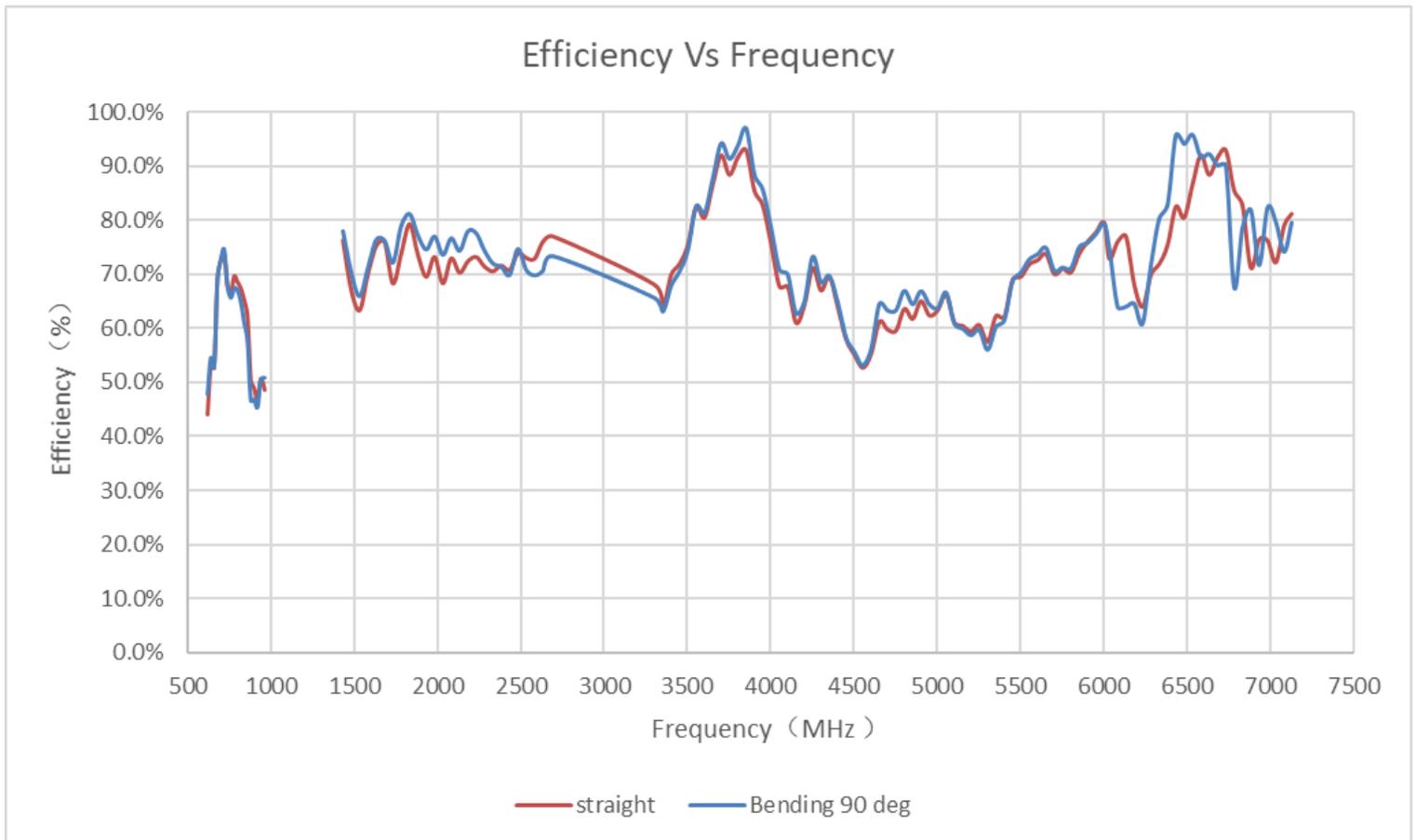
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## TEST SETUP

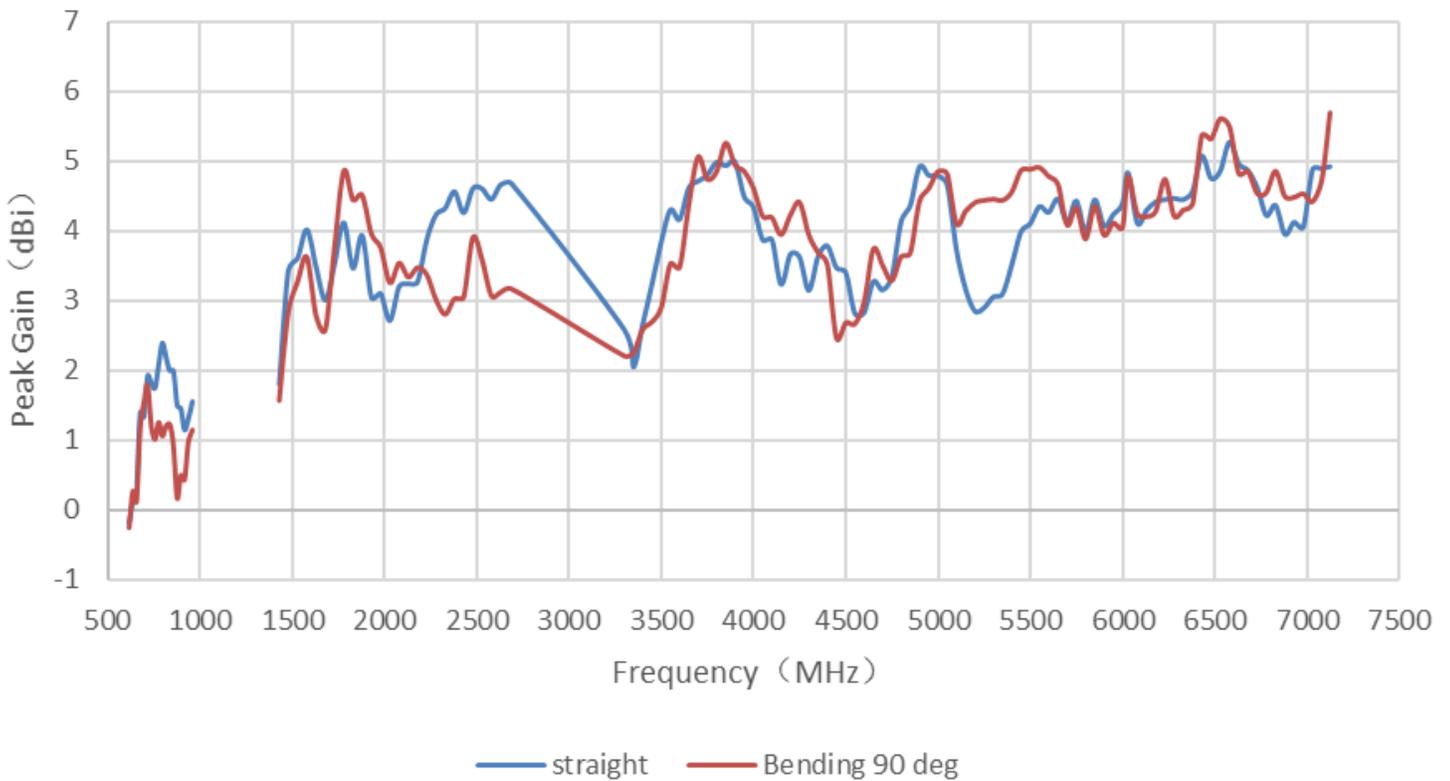


## TEST SETUP



## TEST SETUP

Peak Gain Vs Frequency



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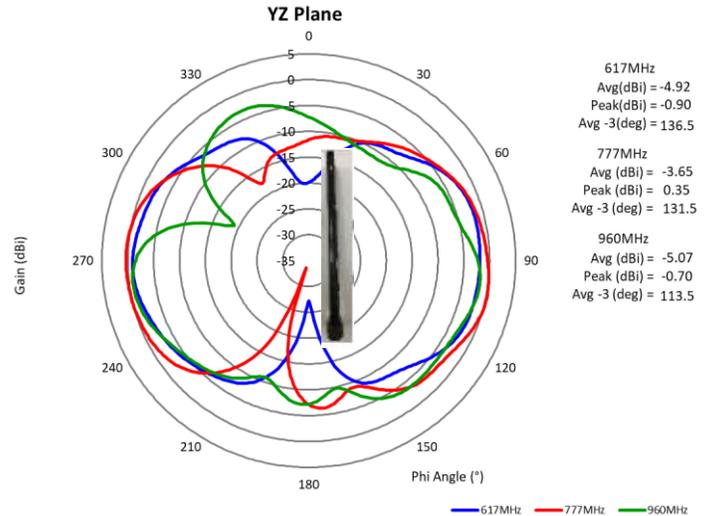
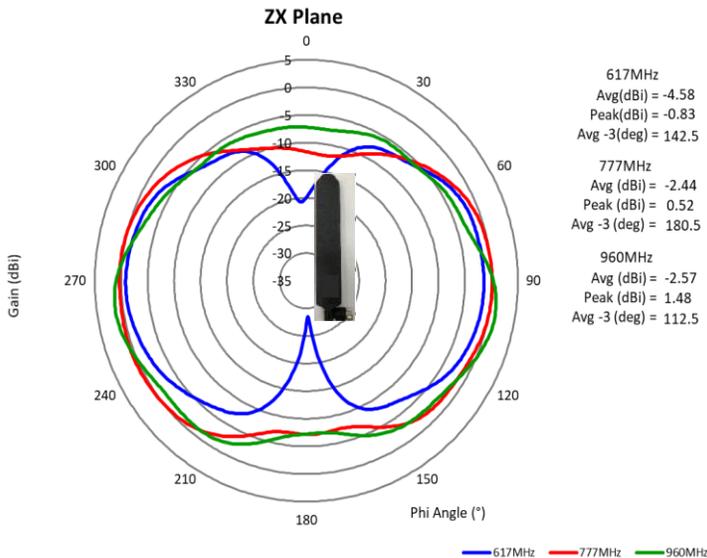
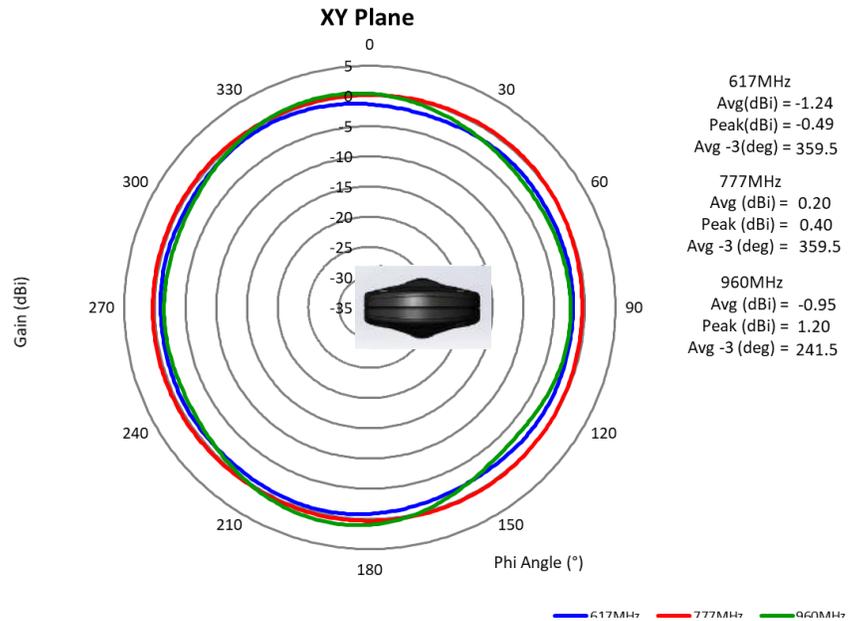
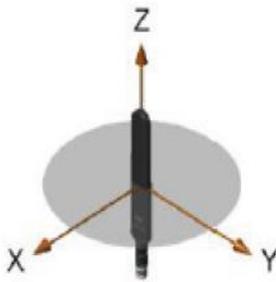
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## CHARTS



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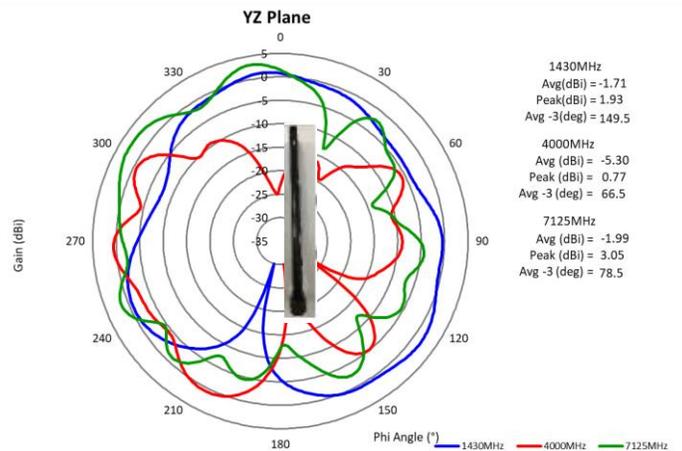
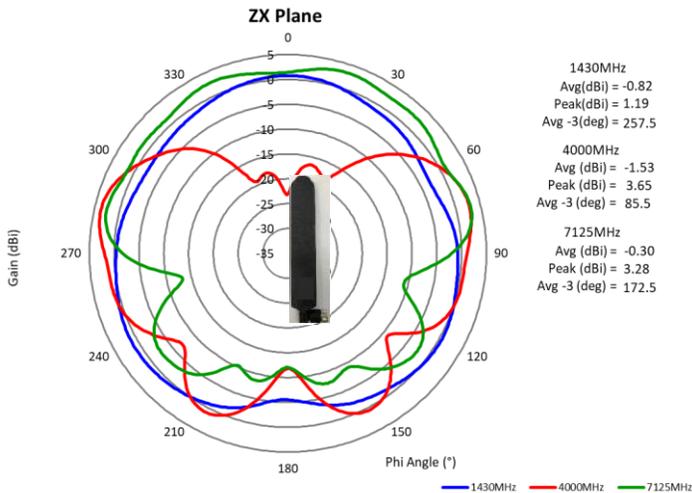
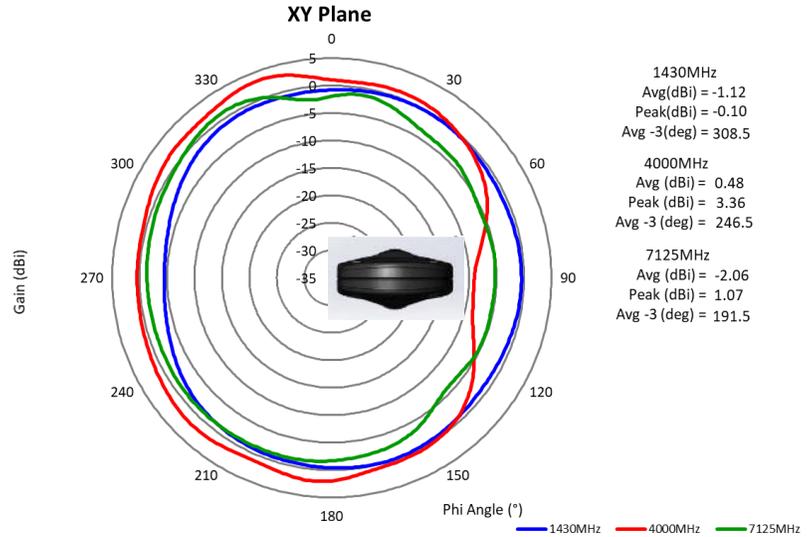
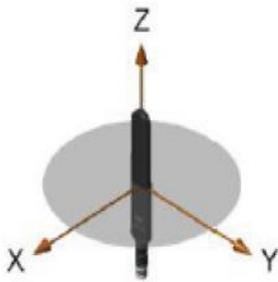
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Series: Blade Antenna

**Description: 5G FR1 617-7125MHz SWIVEL  
MOUNT DIPOLE****PART NUMBER: W5151****PACKAGING**

1PCS/PE bag

100PCS/Carton box

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