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Pulse
a YAGEO company

TECHNICAL DATA SHEET

Series: Blade Antenna

Description: 2.4/5GHz Dual band WiFi

PART NUMBER: W1043/W1044/W1043R



Features:

- 2400-2500 / 4900-5985 MHz
- Gain 2.5 / 3.5 dBi
- Length 157.5mm (straight)
- Radiation pattern: Omni
- W1043: Black RP-SMA male
- W1044: Black SMA mael
- W1043R: White RP-SMA male

Applications:

- WiFi 802.11 a/b/g/n
- Bluetooth,ZigBee, ISM bands
- Indoor use
- Accesspoints, routers, gateways
- Spatial diversity and MiMo by using multiple antennas

All dimensions are in mm / inches

Issue: 2110

RoHS COMPLIANT

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ELECTRICAL SPECIFICATIONS

Antenna Type	Blade antenna
Frequency	2400-2500 / 4900-5825MHz
Nominal Impedance	50 Ω
VSWR	2
Radiation Pattern	Omni
Gain	2.5 / 3.5 dBi
Efficiency	65 /60 %
Polarization	Vertical
Power Withstanding	3W

MECHANICAL SPECIFICATIONS

Overall Length	157.5 mm
Weight	18 g
Antenna Color / Material	Black / White, PC + ABS
Connector type	See Page 3

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 ~ +85° C
Storage Temperature	-40 ~ +85° C
Ingress Protection	IP42
RoHS Compliant	Yes

OTHER SPECIFICATIONS

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Product	Color	Connector	Remark
W1043	Black	RP-SMA Male	Same antenna but with different connectors and color
W1044	Black	SMA Male	
W1043R	White	RP-SMA Male	

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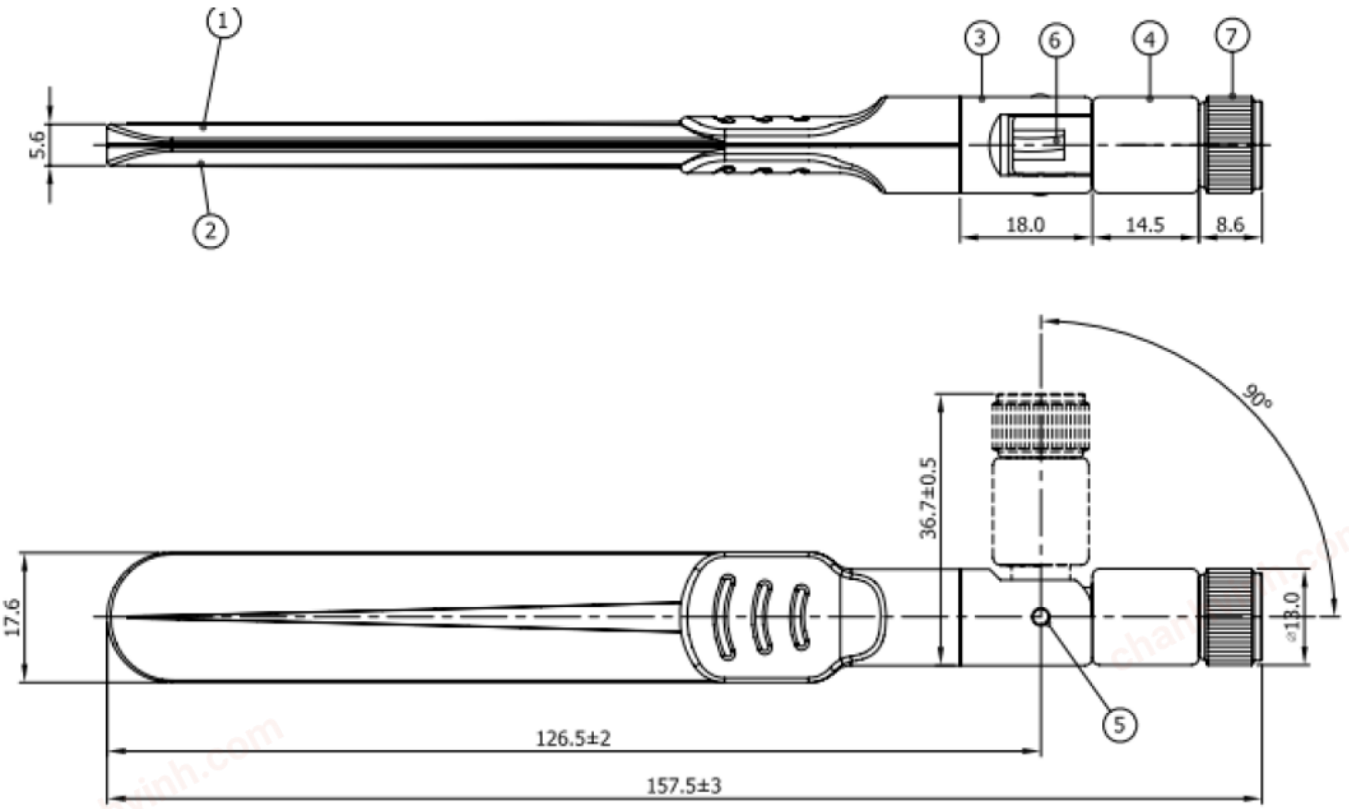
MECHANICAL DRAWING



NO	DESCRIPTION		QTY
7	Connector		1
6	Cable	RG-178 Cable	1
5	Rivet	POM	2
4	Antenna Base	PBT	1
3	Antenna Base	PC + ABS	1
2	Antenna Housing(S)	PC + ABS	1
1	Antenna Housing(M)	PC + ABS	1

Unit: mm

Issue: 2110

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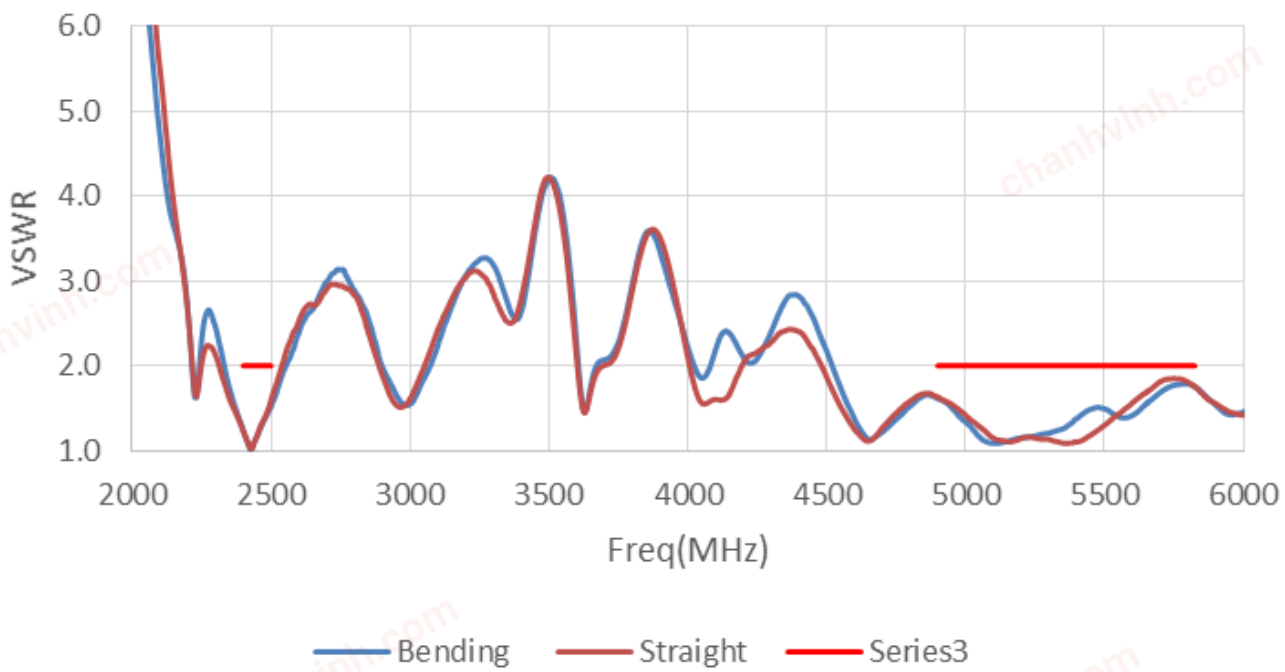
TEST SETUP

VSWR



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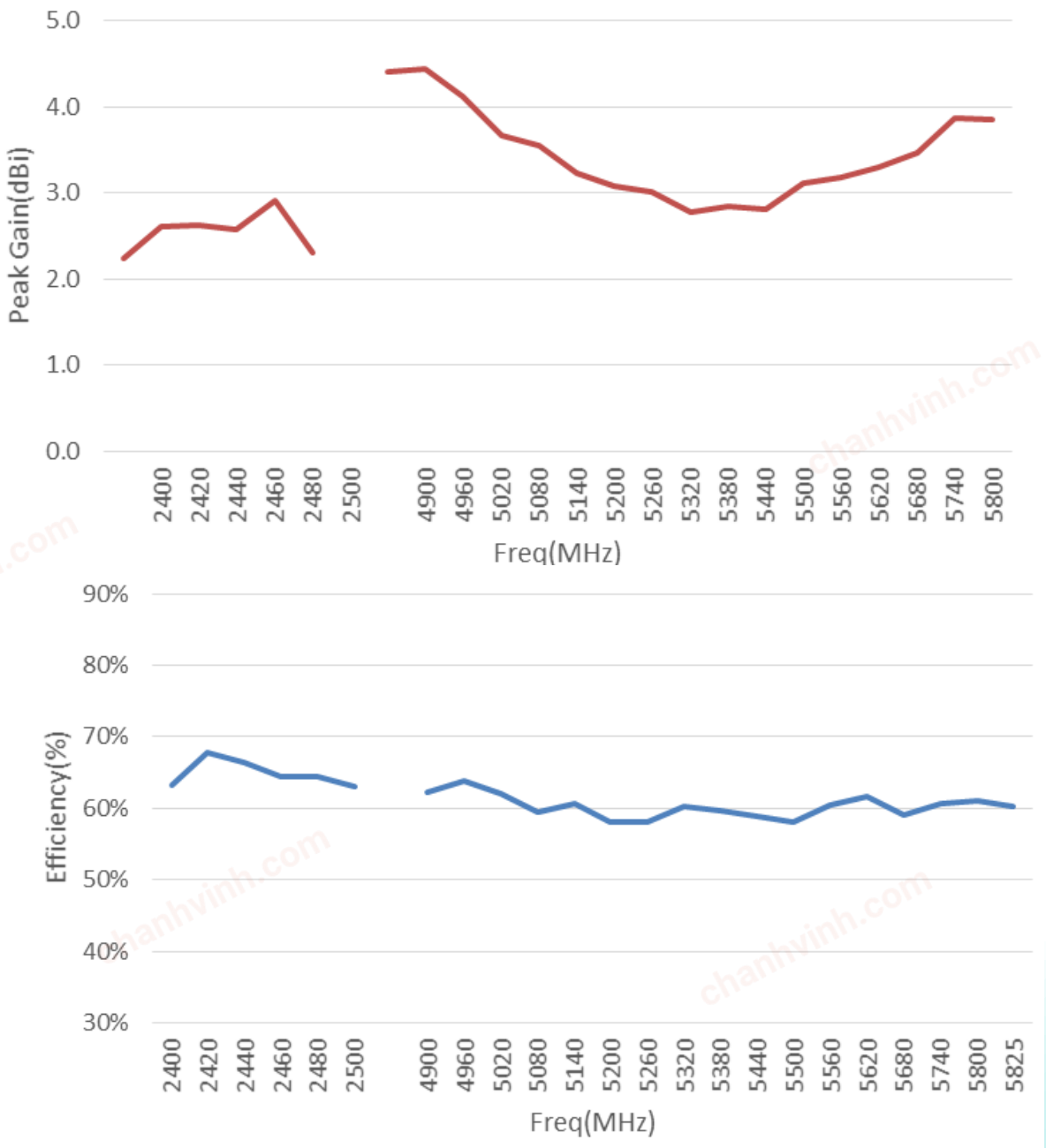
CHARTS

Peak gain and Efficiency



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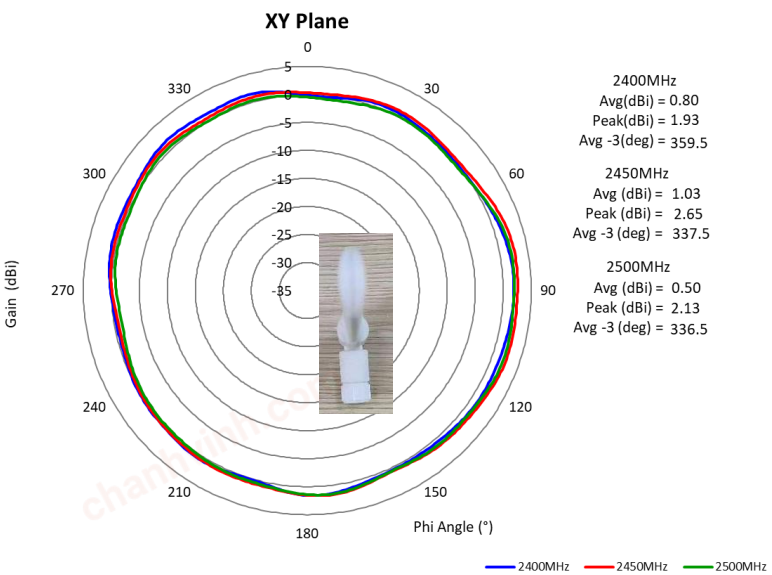
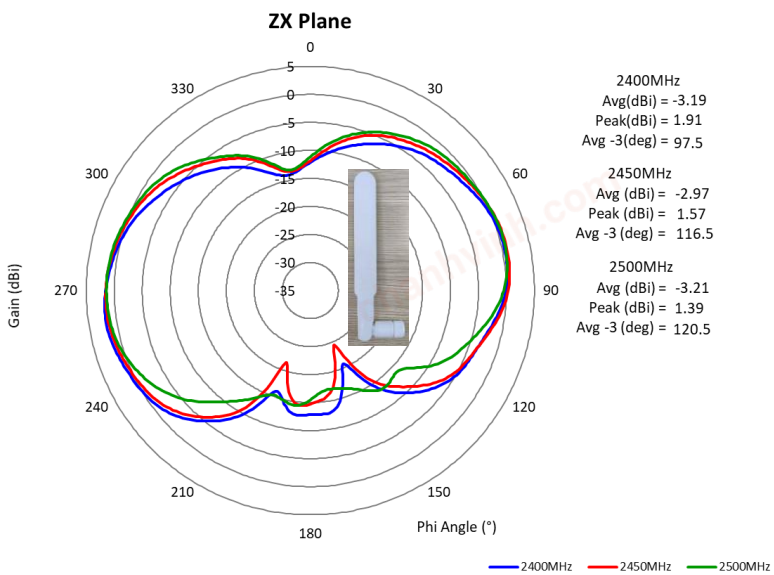
CHARTS

Radiation pattern (2G)





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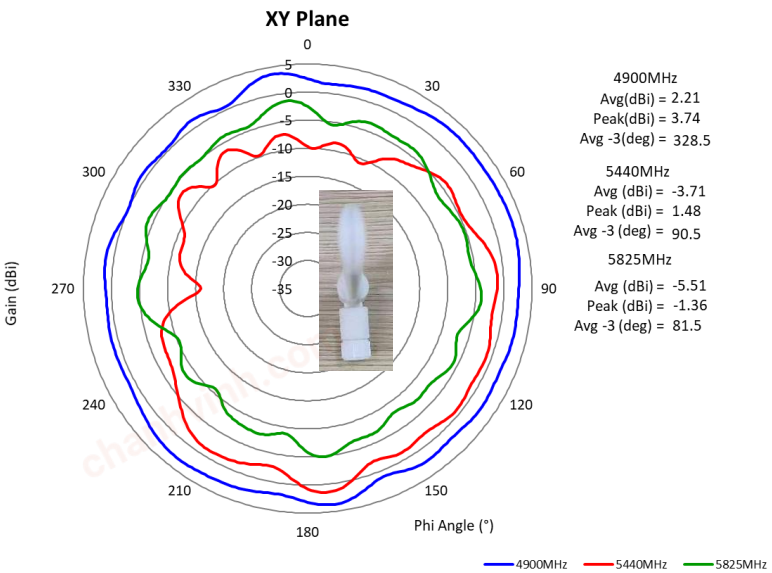
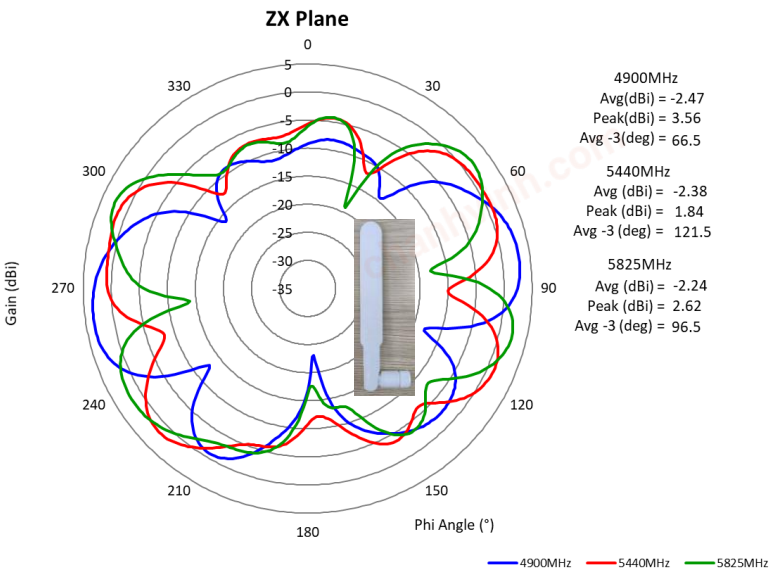
CHARTS

Radiation pattern (5G)





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PACKAGING

10PCS / Bullet Bag

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