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Pulse
a YAGEO company

TECHNICAL DATA SHEET

Description: 2.4-2.5GHz Dipole swivel stick antenna

Series: Stick Antenna

PART NUMBER: W1027



Features:

- Frequency 2400-2500MHz
- Gain 2.0 dBi
- Return Loss -10dB
- Length 108mm Straight position
- Connector:
  - RP SMA Male as default
  - SMA Male available by request

Applications:

- 2.4GHz ISM band radios
- Bluetooth, BLE, Zigbee
- WLAN, WiFi 802.11x for 2.4GHz
- Indoor use

All dimensions are in mm / inches

Issue: 2047

RoHS COMPLIANT

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ELECTRICAL SPECIFICATIONS

Antenna Type	1/2 λ Swivel Type Dipole Antenna
Frequency	2400-2500MHz
Nominal Impedance	50 Ω
Return Loss	-10dB
Radiation Pattern	Omni
Gain	2.0dBi
Efficiency	80%
Polarization	Vertical

MECHANICAL SPECIFICATIONS

Overall Length	136.8 mm
Weight	13 g
Antenna Color / Material	Black， TPE
Connector type	RP-SMA Male

ENVIRONMENTAL SPECIFICATIONS

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

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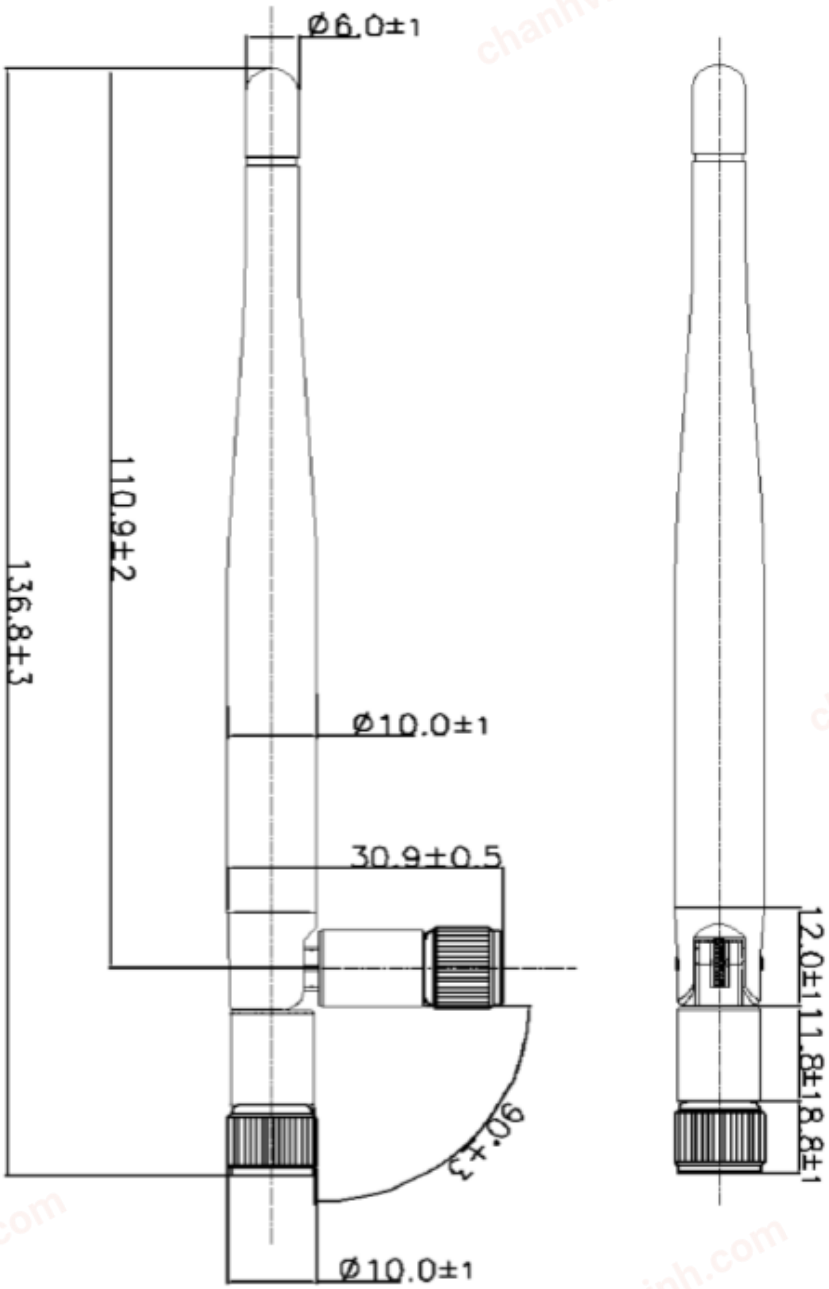
MECHANICAL DRAWING



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CHARTS

Return Loss



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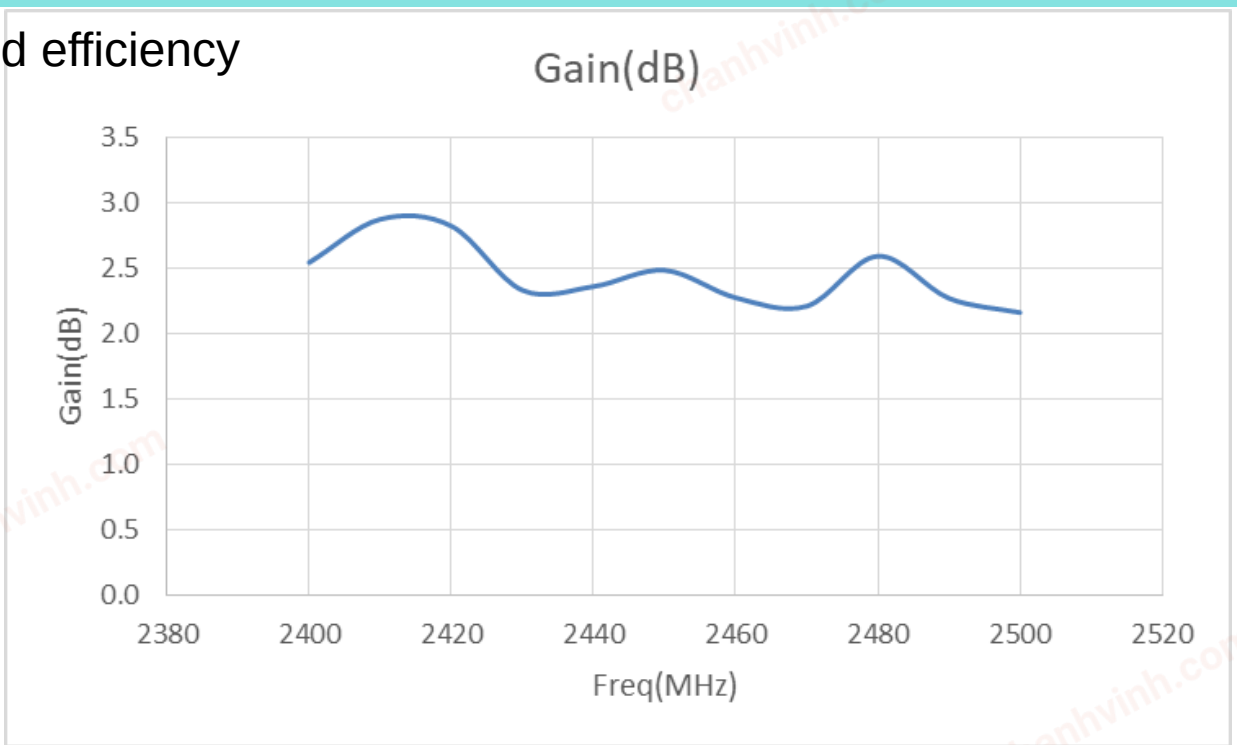
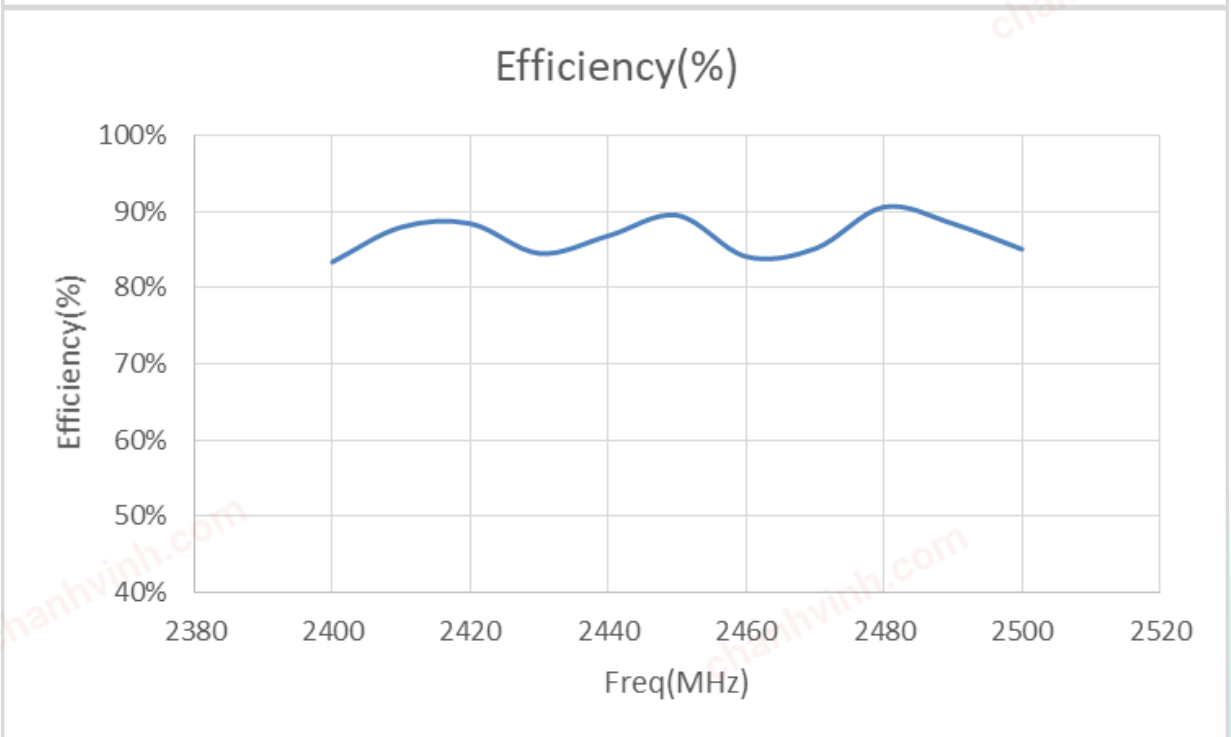
CHARTS

Gain and efficiency





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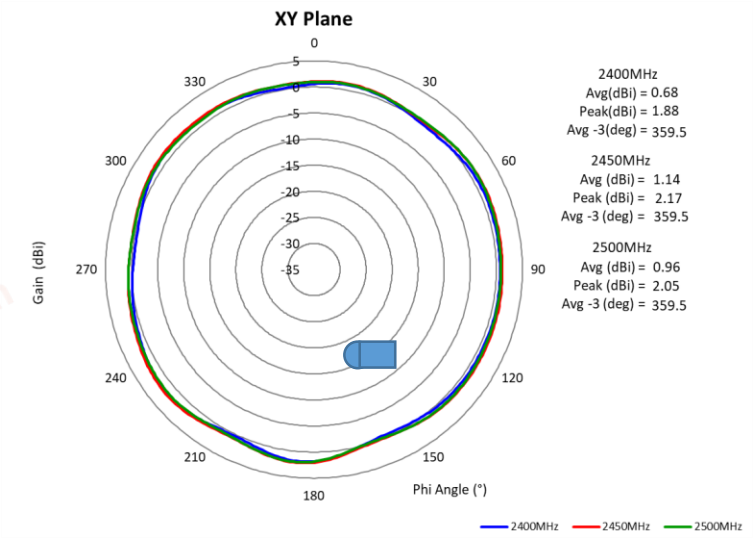
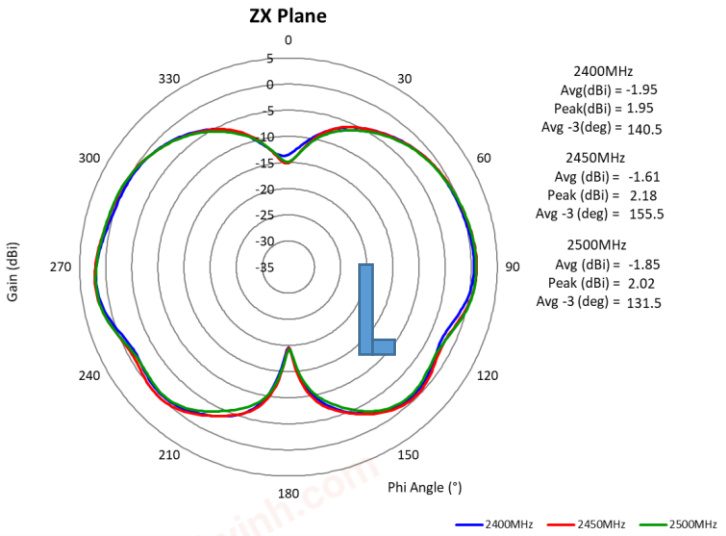
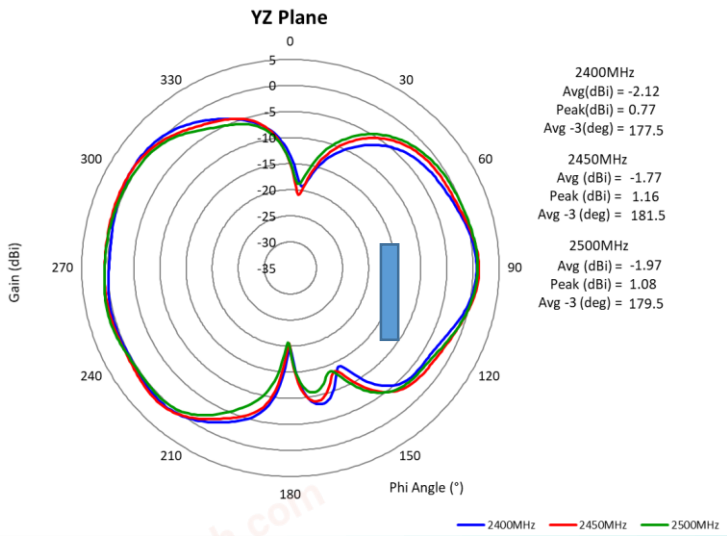
CHARTS

Radiation pattern







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PACKAGING

Pack 20pcs antenna in one PE bag,
30pcs PE bag (600pcs Antenna) in one carton.
1 label on each plastic with part number, description, date code.

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