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Pulse A YAGEO Company | LARSEN Antennas

TECHNICAL DATA SHEET

Description: GPS 1575MHz Monopole Antenna

Series: Stubby Antenna

PART NUMBER: W1684



Features:

- Frequency 1550-1610MHz
- Monopole Stubby Antenna
- Length 50mm
- Gain 2.5dBi
- Efficiency 70%
- Polarization Linear
- IP65 Outdoor rated

Applications:

- GNSS
- GPS, Glonass, Beidou
- Navigation
- Asset tracking

All dimensions are in mm / inches

Preliminary

RoHS COMPLIANT

Issue: 1941P

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ELECTRICAL SPECIFICATIONS

Frequency	1550-1610 MHz
Nominal Impedance	50 Ω
VSWR	<2 @1550-1610MHz
Radiation Pattern	Omni
Peak Gain	> 2.5 dBi
Efficiency	70%
Polarization	Linear
Power Withstanding	5W

MECHANICAL SPECIFICATIONS

Overall Length	50 mm
Weight	7.8 g
Antenna Color / Material	Black
Connector type	SMA Male

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-30/+75 ° C
Storage Temperature	-30/+75 ° C
Ingress Protection	IP65
Wind-loading	100km/h
RoHS Compliant	Yes

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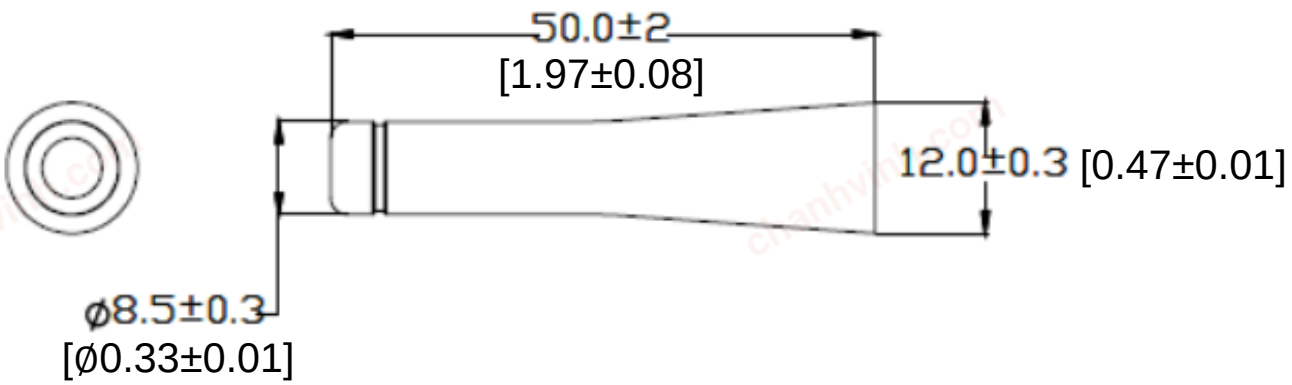
MECHANICAL DRAWING



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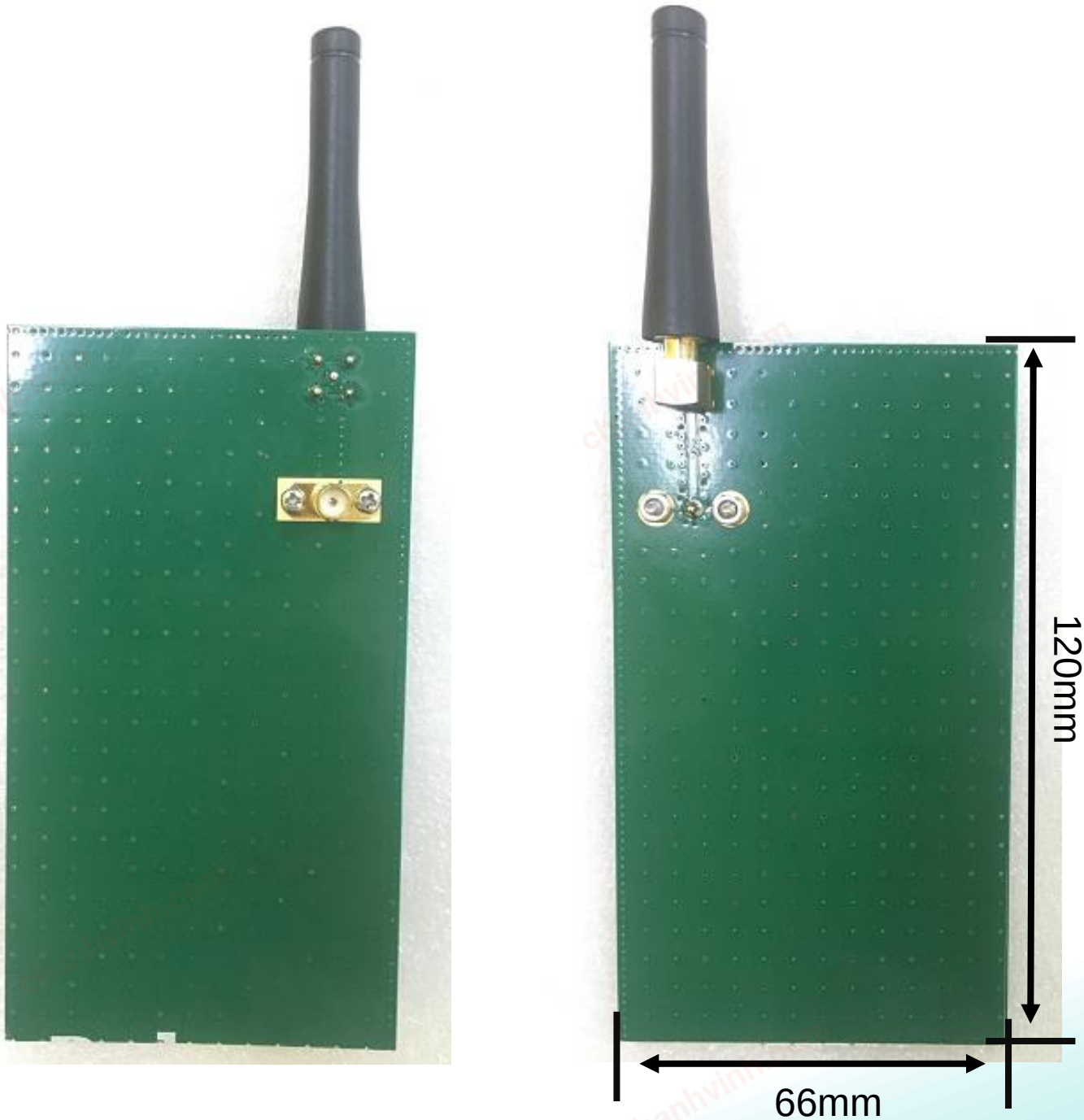
TEST SETUP



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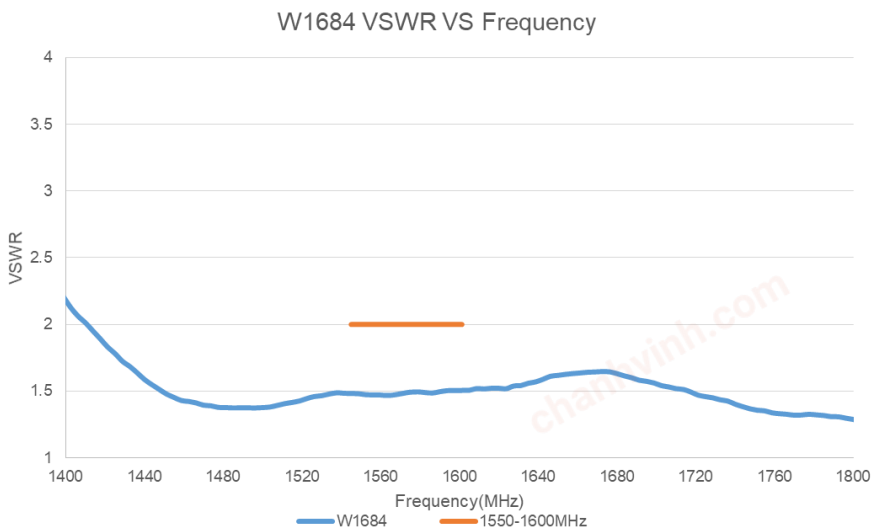
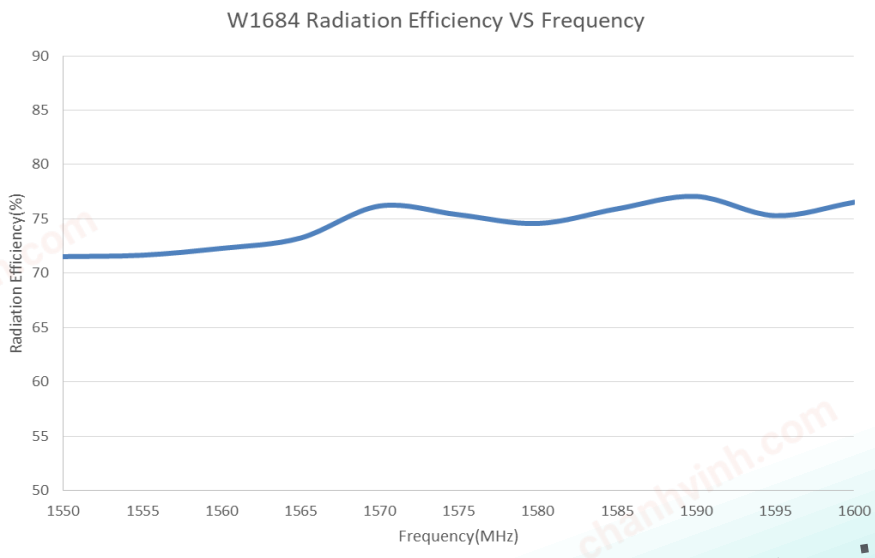
CHARTS

VSWR



Radiation Efficiency（%）



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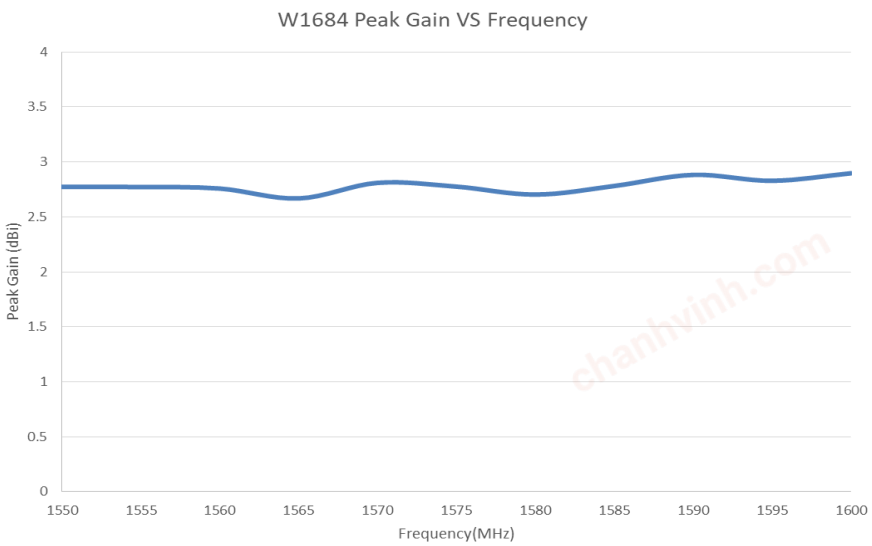
CHARTS

Peak Gain（dBi）



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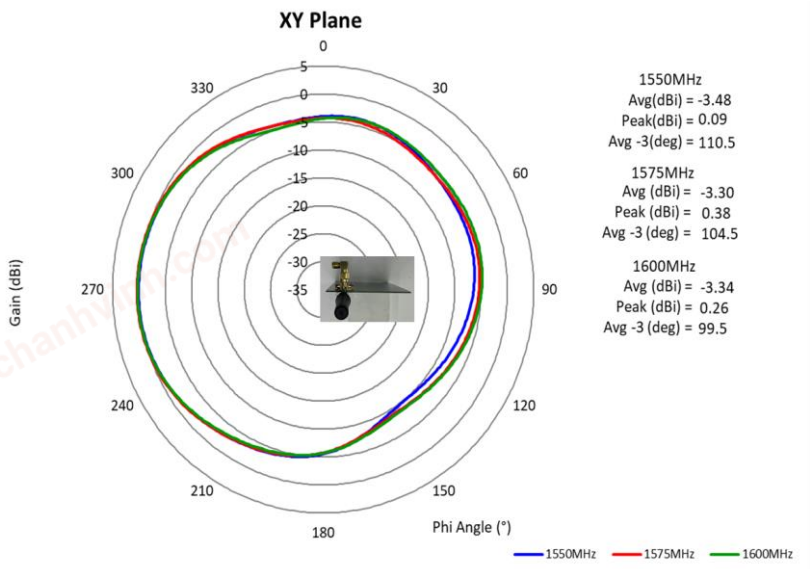
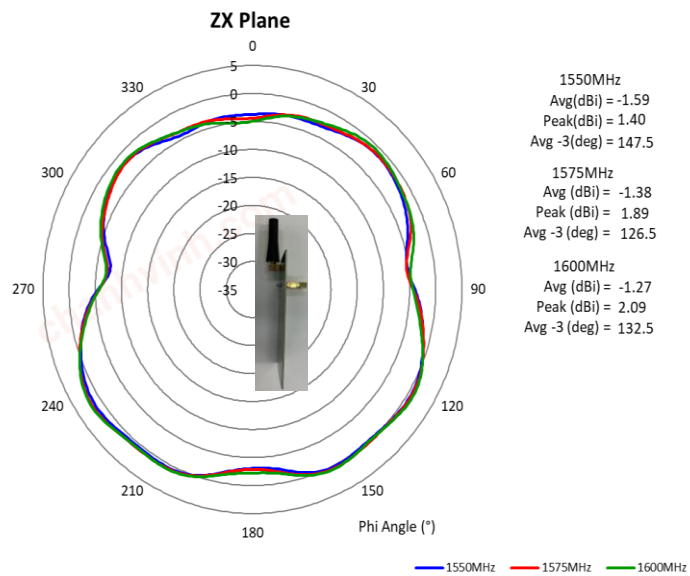
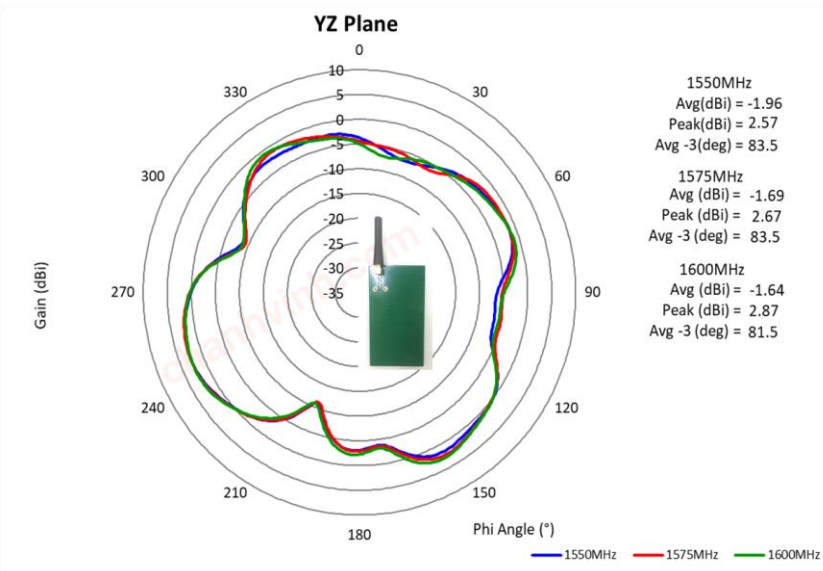
CHARTS

Free Space Radiation Pattern







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PACKAGING

1pcs antenna per PE bag

24pcs PE bags per tray

14pcs trays per package box(2 pcs empty tray)

288pcs antenna per package

Package box: 460mm*235mm*140mm

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