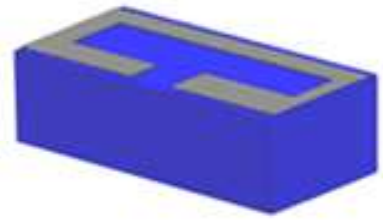
Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description: 3216 WiFi 6E Chip Antenna

PART NUMBER: ANT3216LL11R2460A



Features:

- Size : 3.2x1.6x1.2 mm
- Omni-directional Radiation
- Dual-band design
- Tape & reel automatic mounting
- Reflow process compatible
- RoHS compliant

Applications:

- WiFi 6E device
- ISM band equipment

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

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18110 SE 34th St Bldg 2 Suite 250
Vancouver, WA 98683
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Pulse GmbH & Do, KG
Zeppelinstrasse 15
Herrenberg, Germany
Tel: 49 7032 7806 0

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Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998

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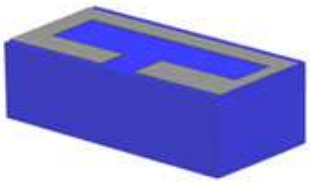
ELECTRICAL SPECIFICATIONS

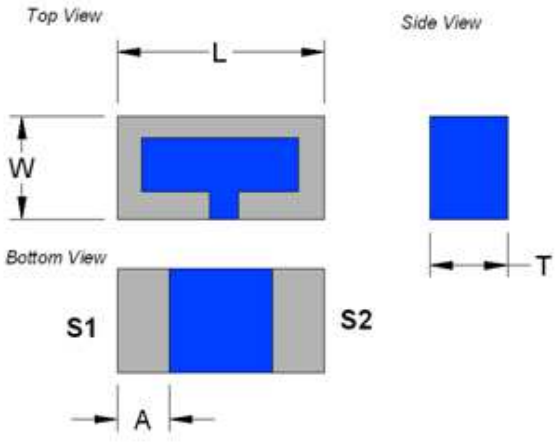
Working Frequency	2.4GHz / 5.15 ~ 7.125GHz
Bandwidth	84MHz / 2000MHz(Typ.)
Return Loss	< -7.0 dB
Polarization	Linear
Peak Gain	2.0 / 2.5 dBi(Typ.)
Impedance	50 Ω
Operating Temperature	- 40~105 ℃
Maximum Power	1 W
Termination	Ni / Sn (Environmentally-Friendly Leadless)
Resistance to Soldering Heats	260℃ , 10sec.

NOTE
1. The specification is defined on Pulse evaluation board

MECHANICAL DRAWING

	Dimension
L (mm)	3.2 ±0.20
W (mm)	1.6 ±0.20
T (mm)	1.2 ±0.20
A (mm)	0.8 ±0.20





Terminal name	Function
S1	Feeding Point
S2	Soldering Point

RoHS COMPLIANT

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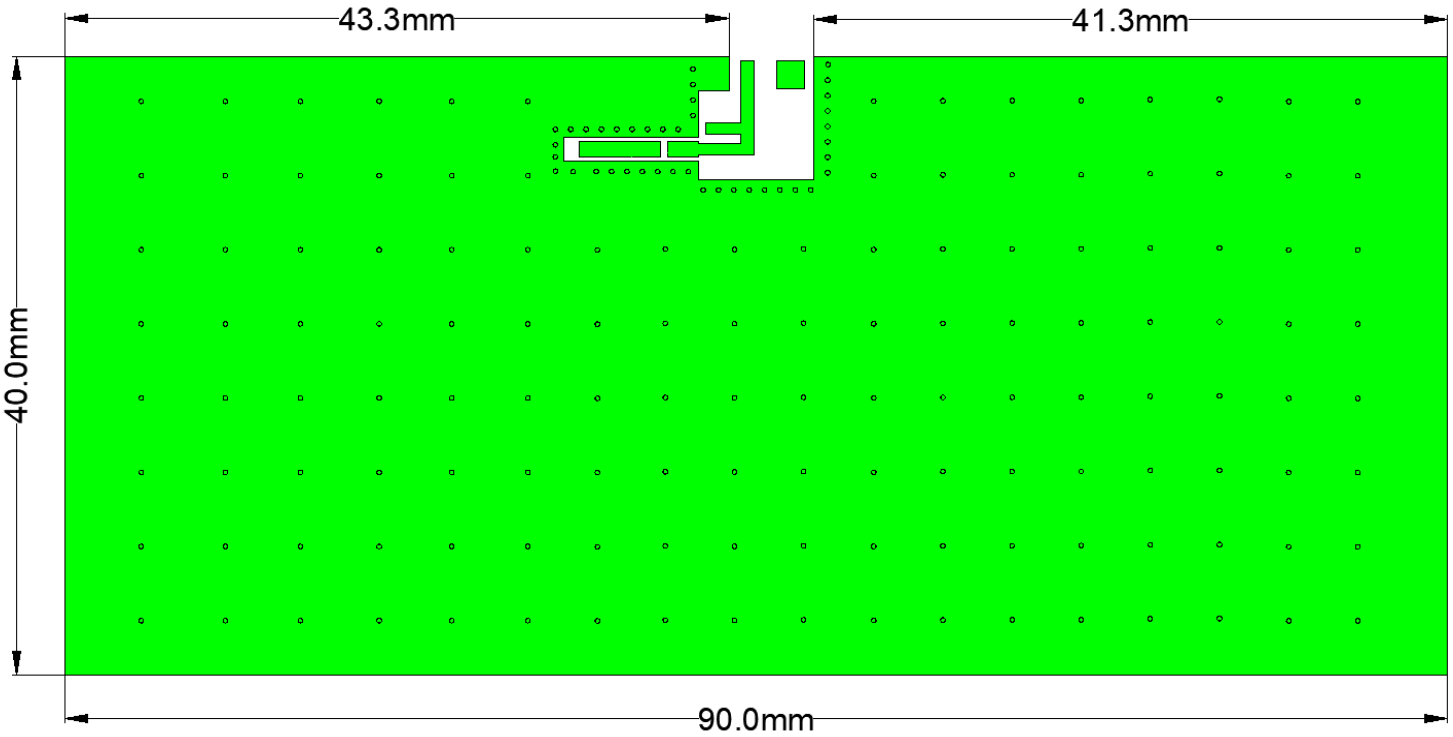
REFERENCE DESIGN OF EVALUATION BOARD



Outlook and dimension of evaluation board

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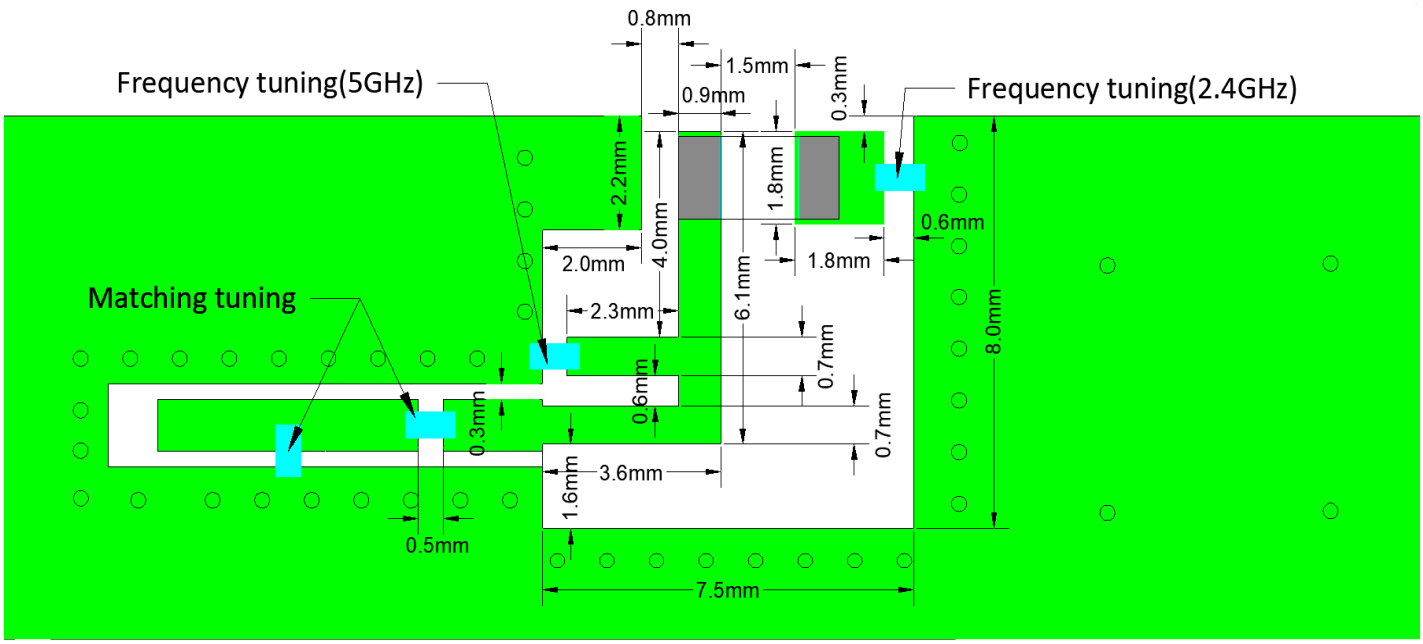
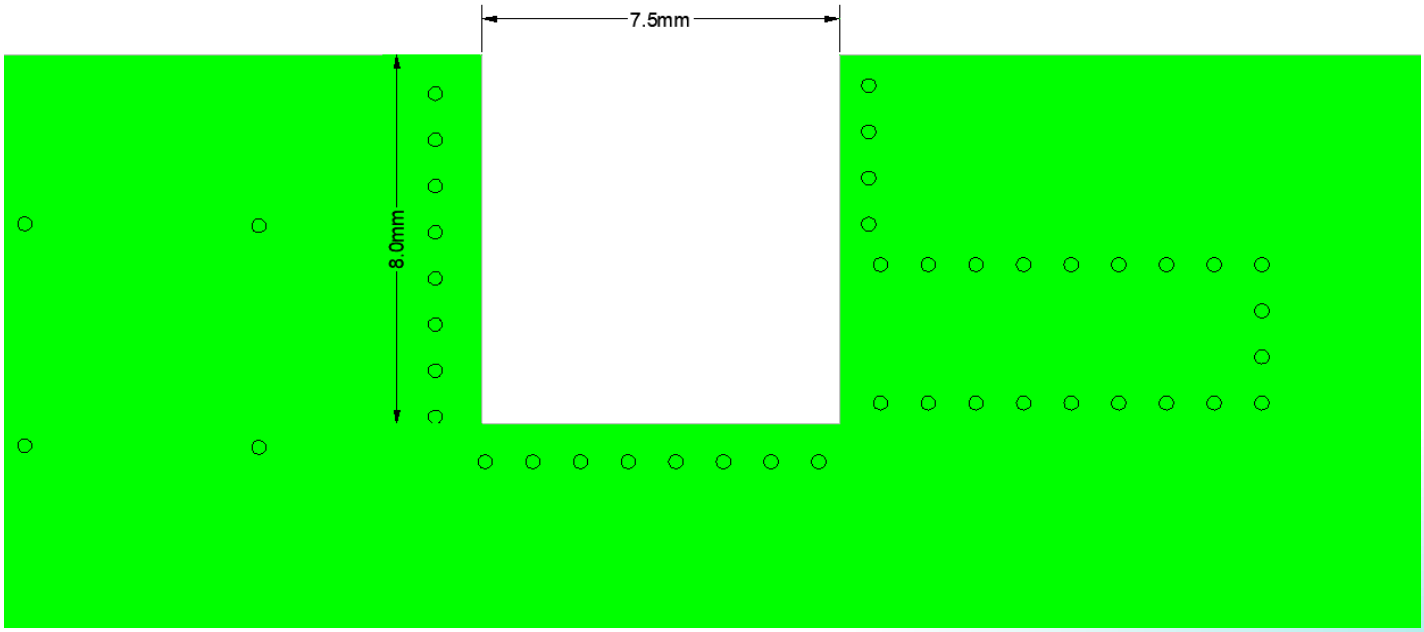


Top Layer



Bottom Layer

Details of soldering Pad

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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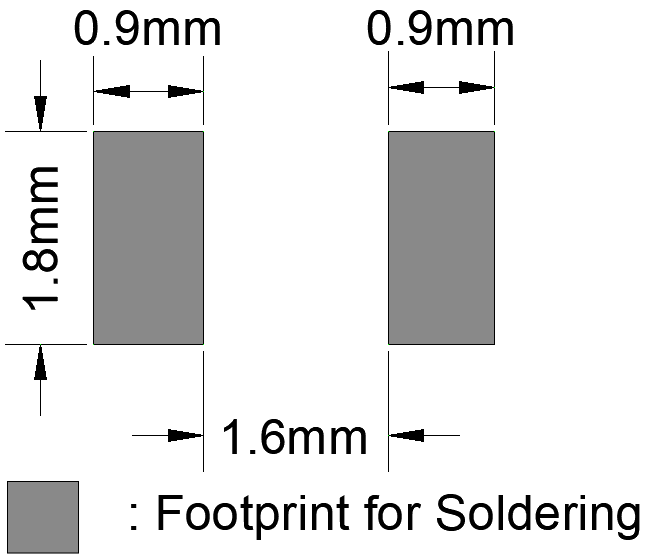
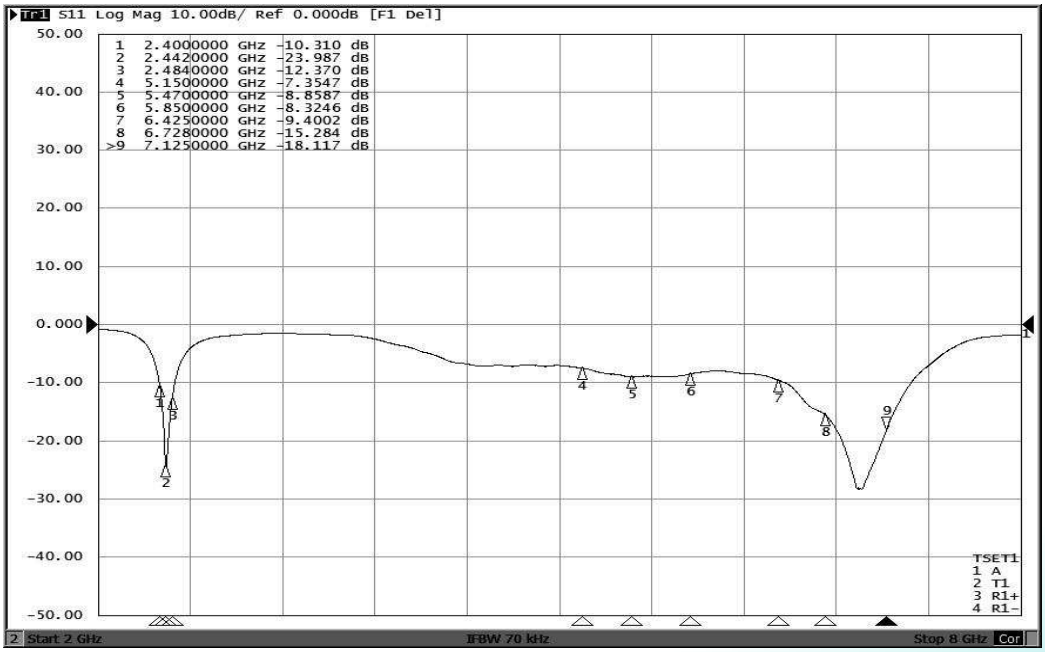


Footprint



Return loss

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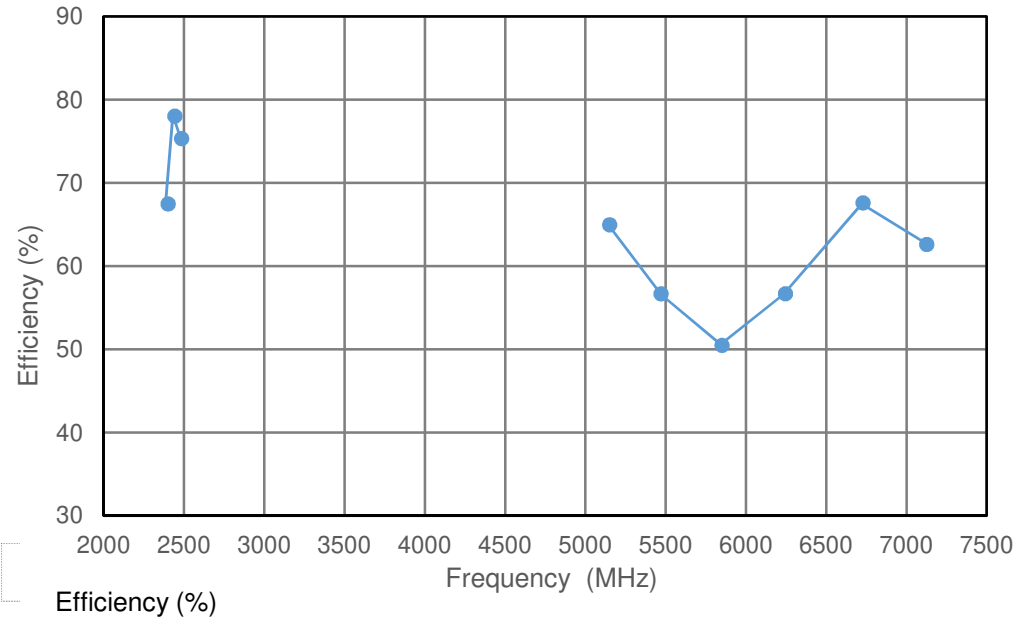
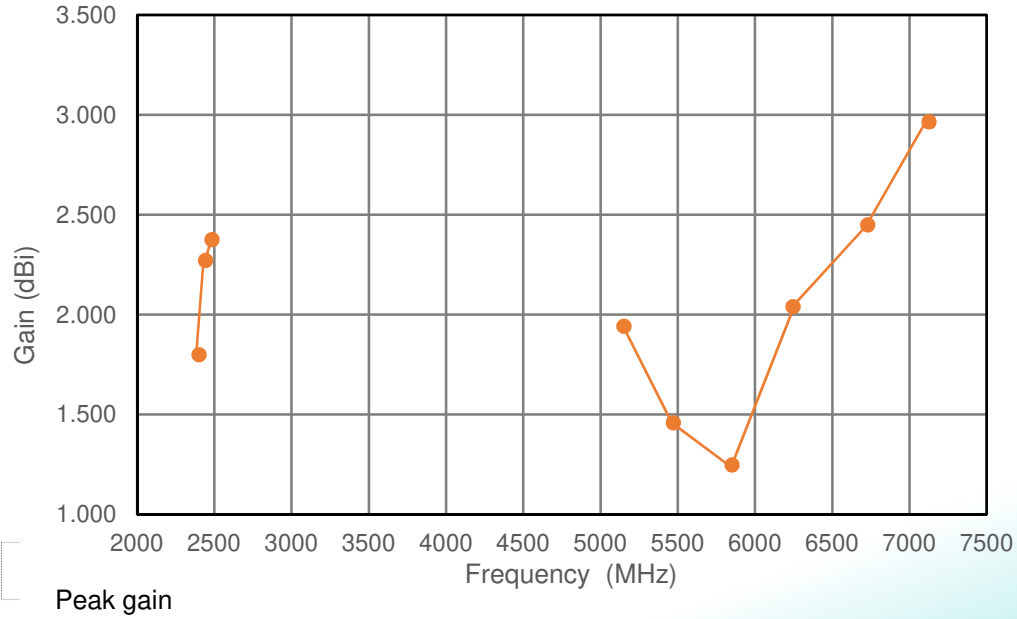


Efficiency (%)



Peak gain

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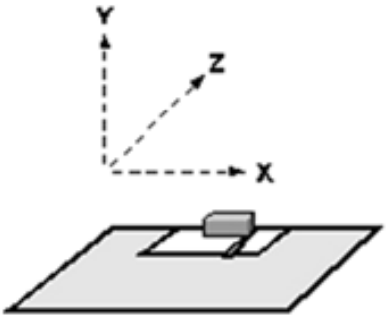
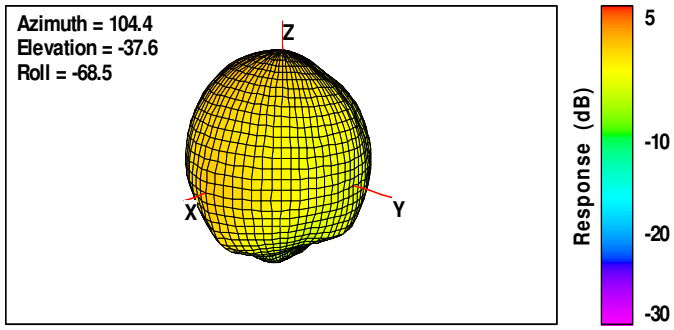
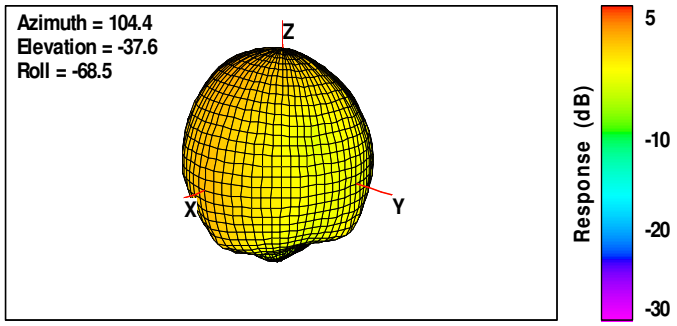
ELECTRICAL PERFORMANCES



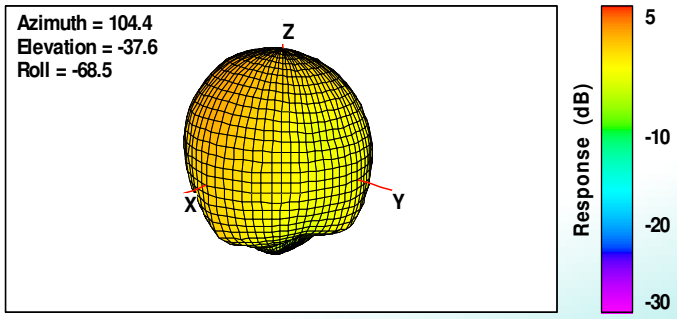
Evaluation board and XYZ direction



Frequency：2.400 GHz
Efficiency：67.4 %



Frequency：2.442 GHz
Efficiency：78.0 %



Radiation pattern

Frequency：2.484 GHz
Efficiency：75.3 %

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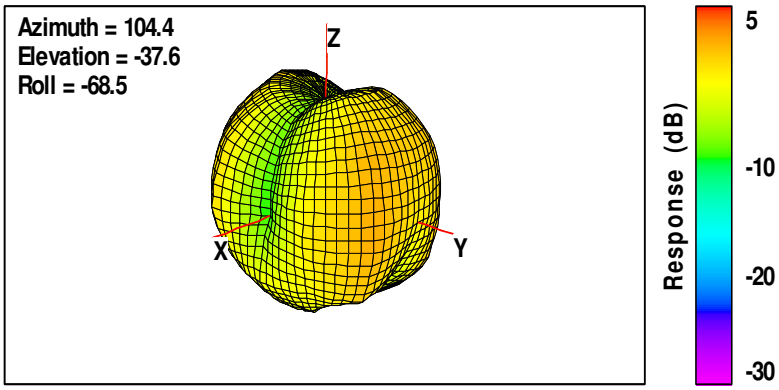
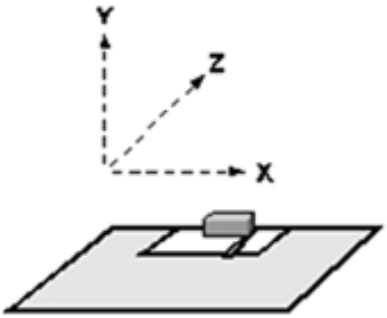
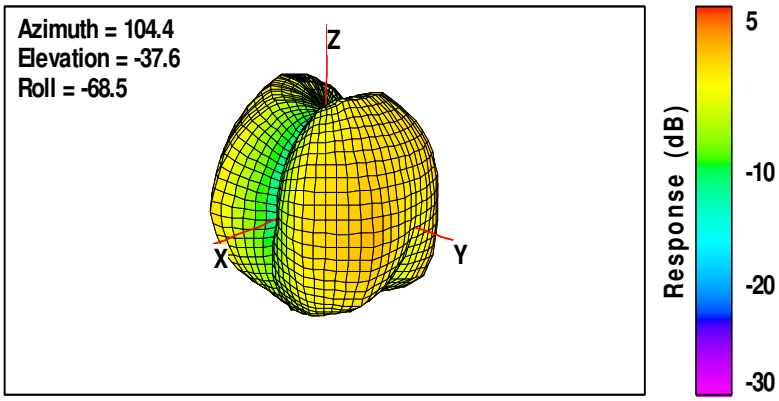
ELECTRICAL PERFORMANCES





Evaluation board and XYZ direction

Frequency：5.15 GHz
Efficiency：64.9 %



Frequency：5.47 GHz
Efficiency：56.6 %

Radiation pattern

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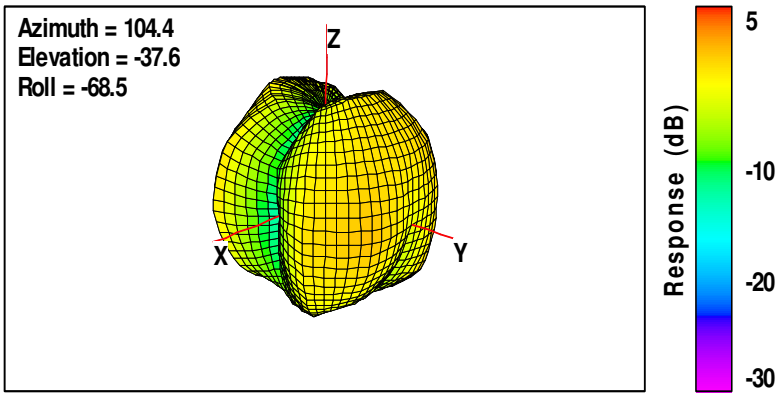
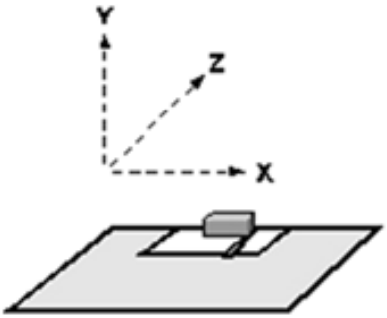
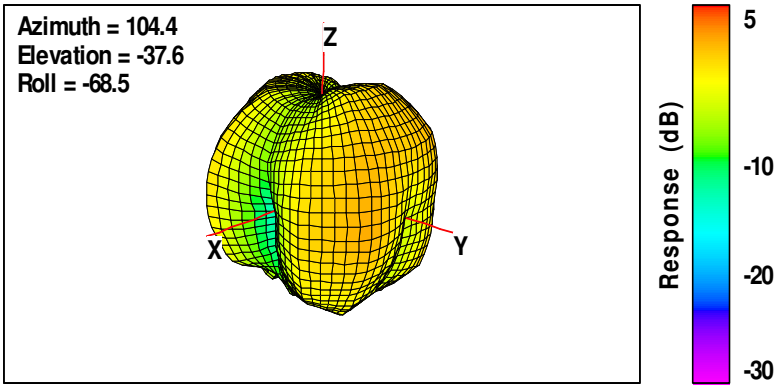
ELECTRICAL PERFORMANCES





Evaluation board and XYZ direction

Frequency：5.850 GHz
Efficiency：50.4 %



Frequency：6.245 GHz
Efficiency：56.6 %

Radiation pattern

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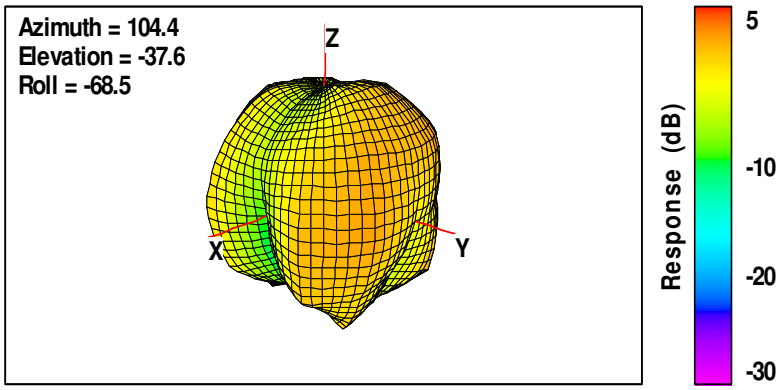
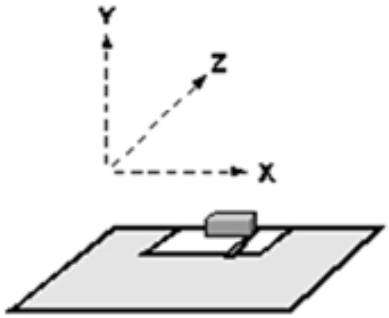
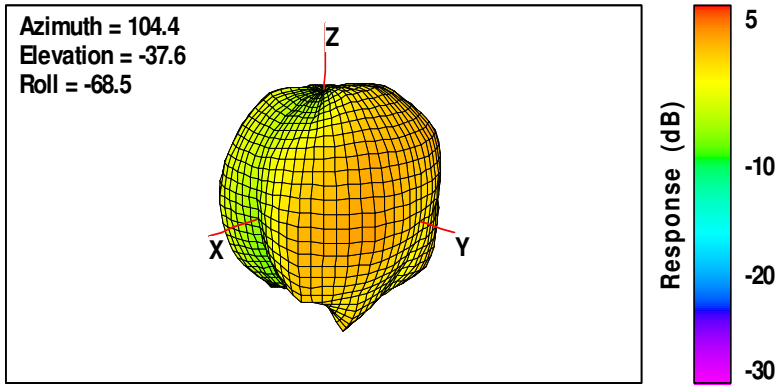
ELECTRICAL PERFORMANCES





Evaluation board and XYZ direction

Frequency：6.728 GHz
Efficiency：67.6 %



Frequency：7.125 GHz
Efficiency：62.6 %

Radiation pattern

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REVISION HISTORY

Revision	Date	Description
Version 1	May. 11, 2021	- New issue

单击下面可查看定价，库存，交付和生命周期等信息

>>Pulse(普思)