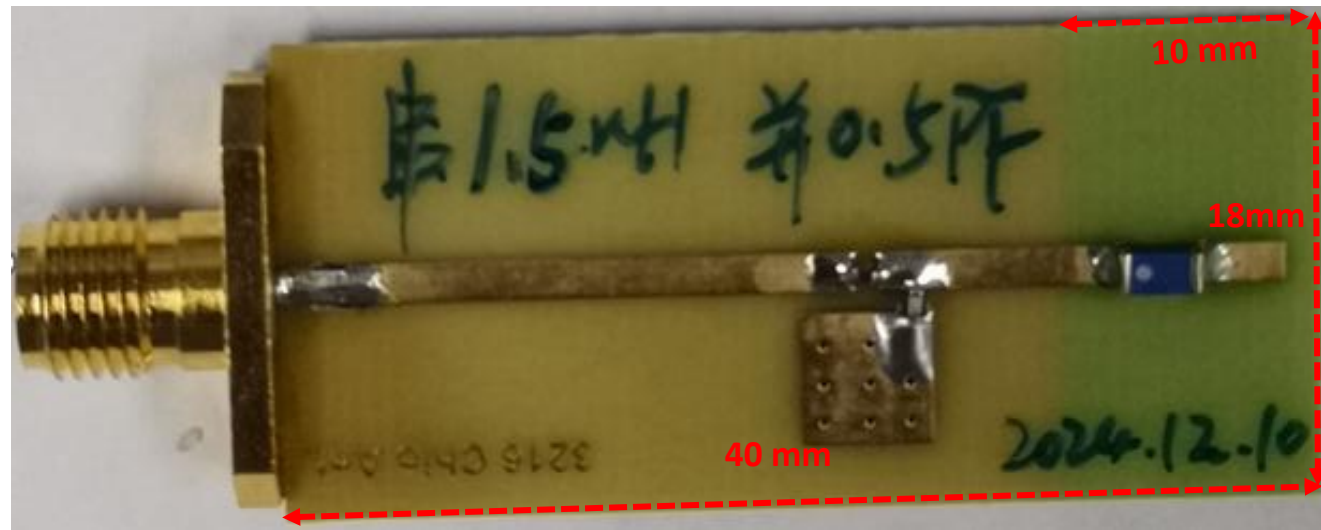


PULSE 3216 Chip Antenna Measurement For 安费诺永亿 2.4GHz EVB Project

Wireless Components
LTCC R&D
2024/12/18

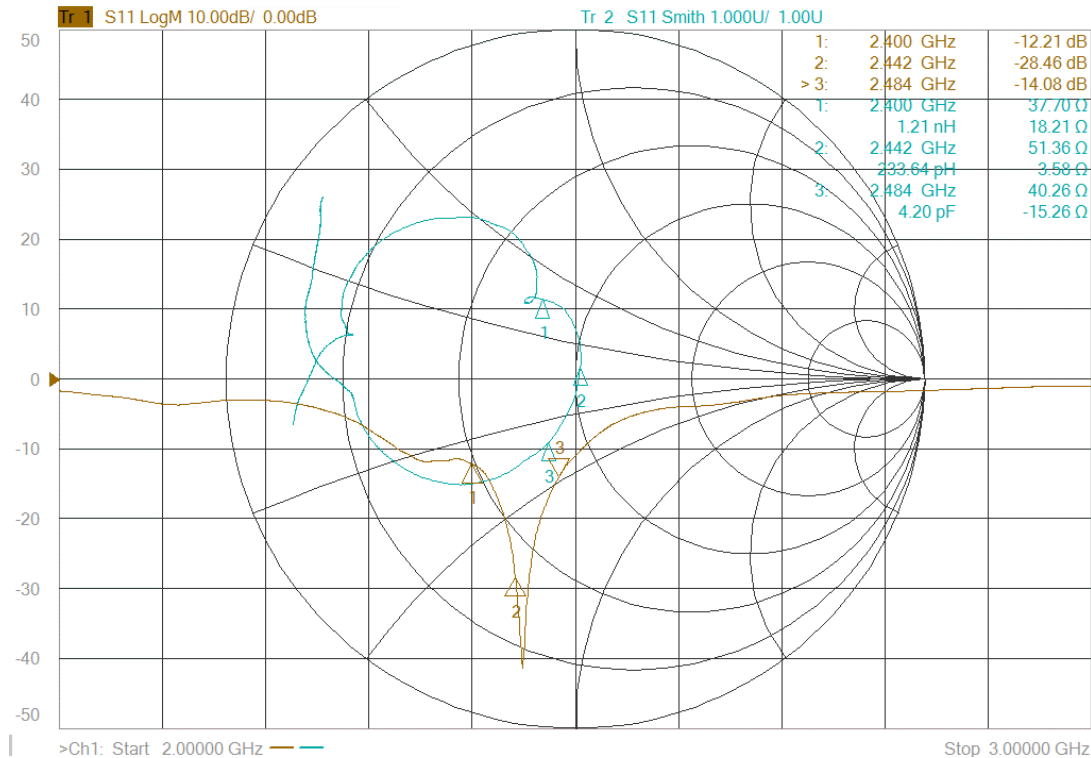
- **Customer :** 安费诺永亿
- **manufacturer :** Yageo Corporation
- **Manufacturer's address:** 3F, 233-1, Baoqiao Rd. Xindian Dist., New Taipei City 23145 Taiwan
- **Project Name :** 2.4GHz EVB
- **Application :**
- **Antenna size :**
3.20x1.60x1.20 mm 2.4GHz chip antenna ([ANT3216LL00R2400A](#))
- **PCB size :** 40* 18 mm

Pulse ANT3216LL00R2400A



Measurement Data

ANT3216LL00R2400A EVB

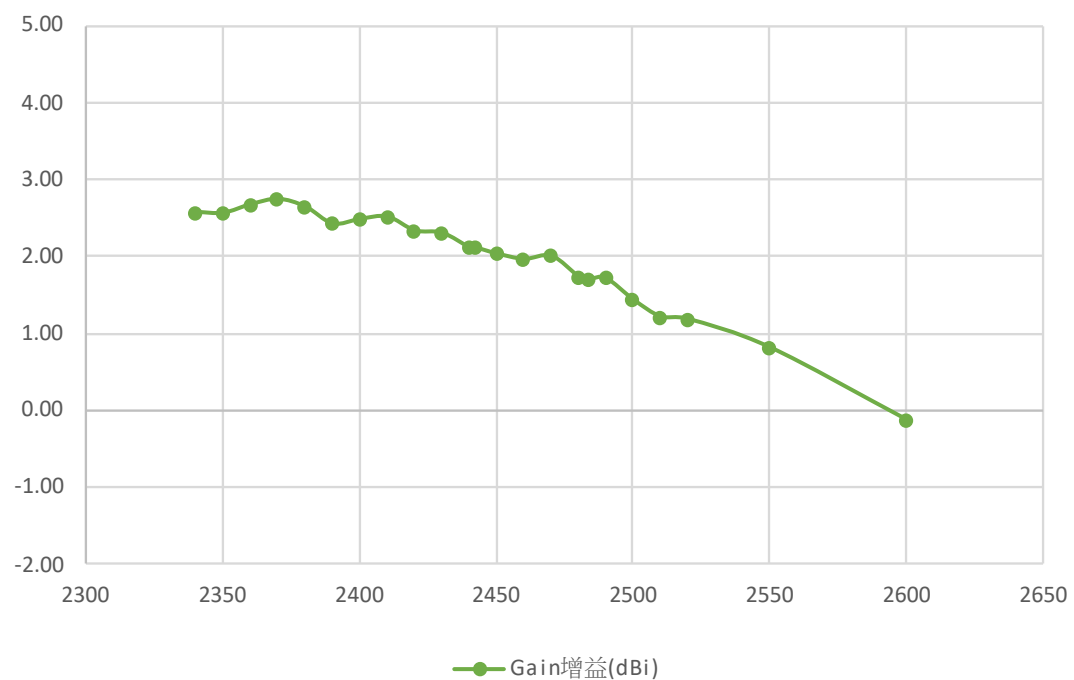


ANT3216LL00R2400A EVB Test Data

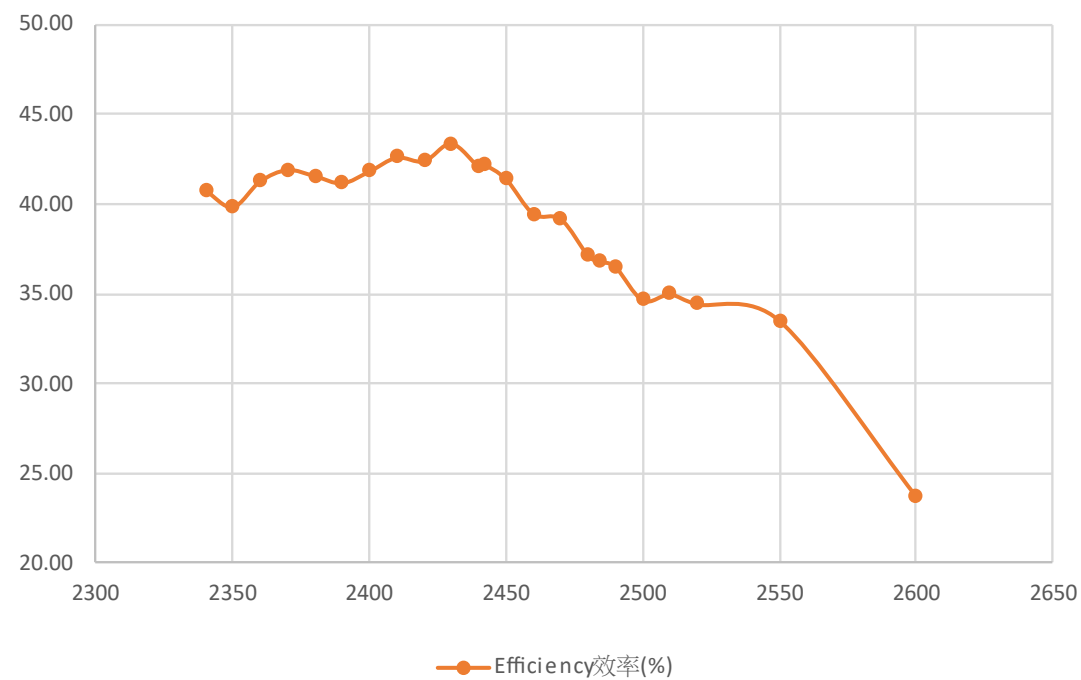
Antenna	ANT3216LL00R2400A		
Frequency (MHz)	2400	2442	2484
R.L. (dB)	-12.21	-28.46	-14.08
Max. Gain (dBi)	2.48	2.11	1.70
Avg. Gain (dB)	-3.78	-3.74	-4.33
Efficiency (%)	41.87	42.24	36.86

增益/效率曲线

Gain 增益(dBi)

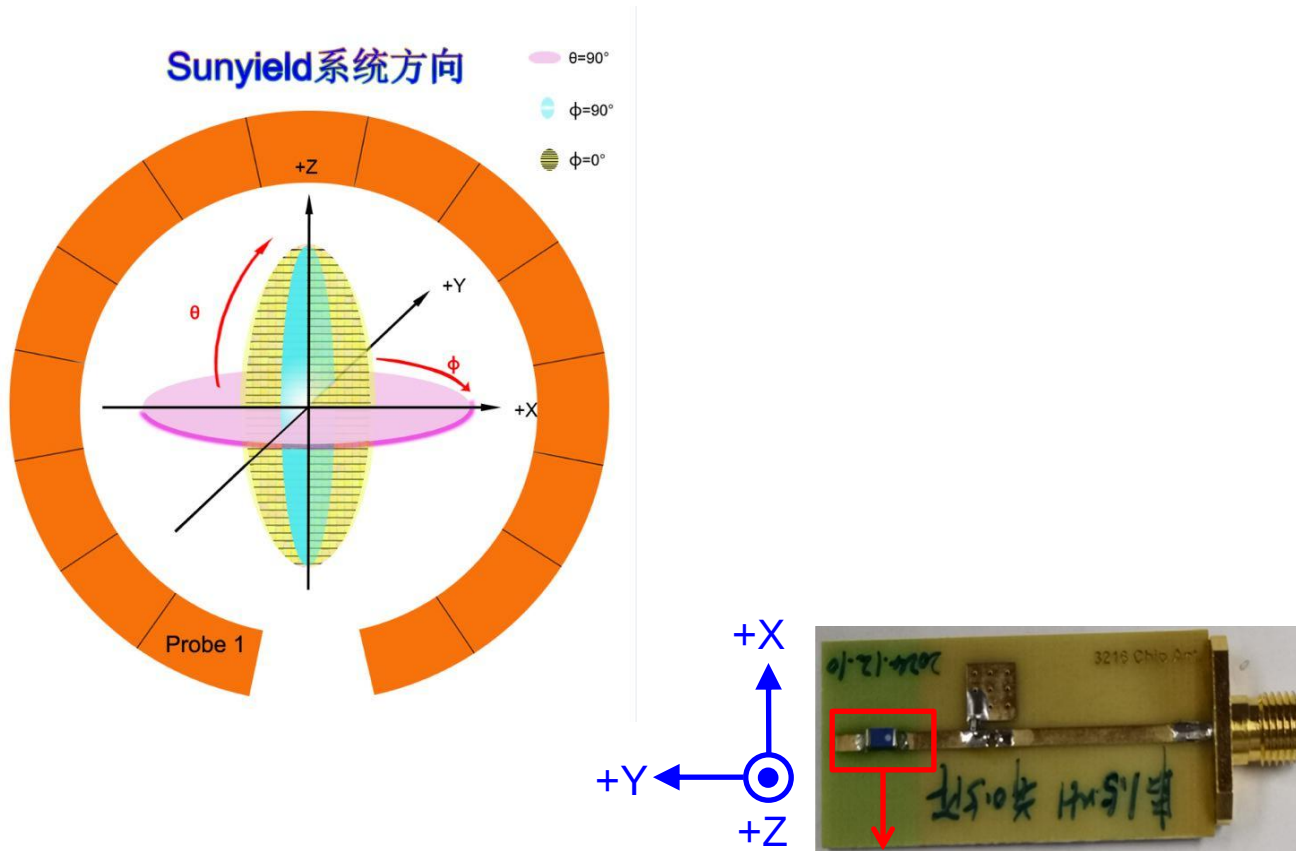


Efficiency 效率(%)



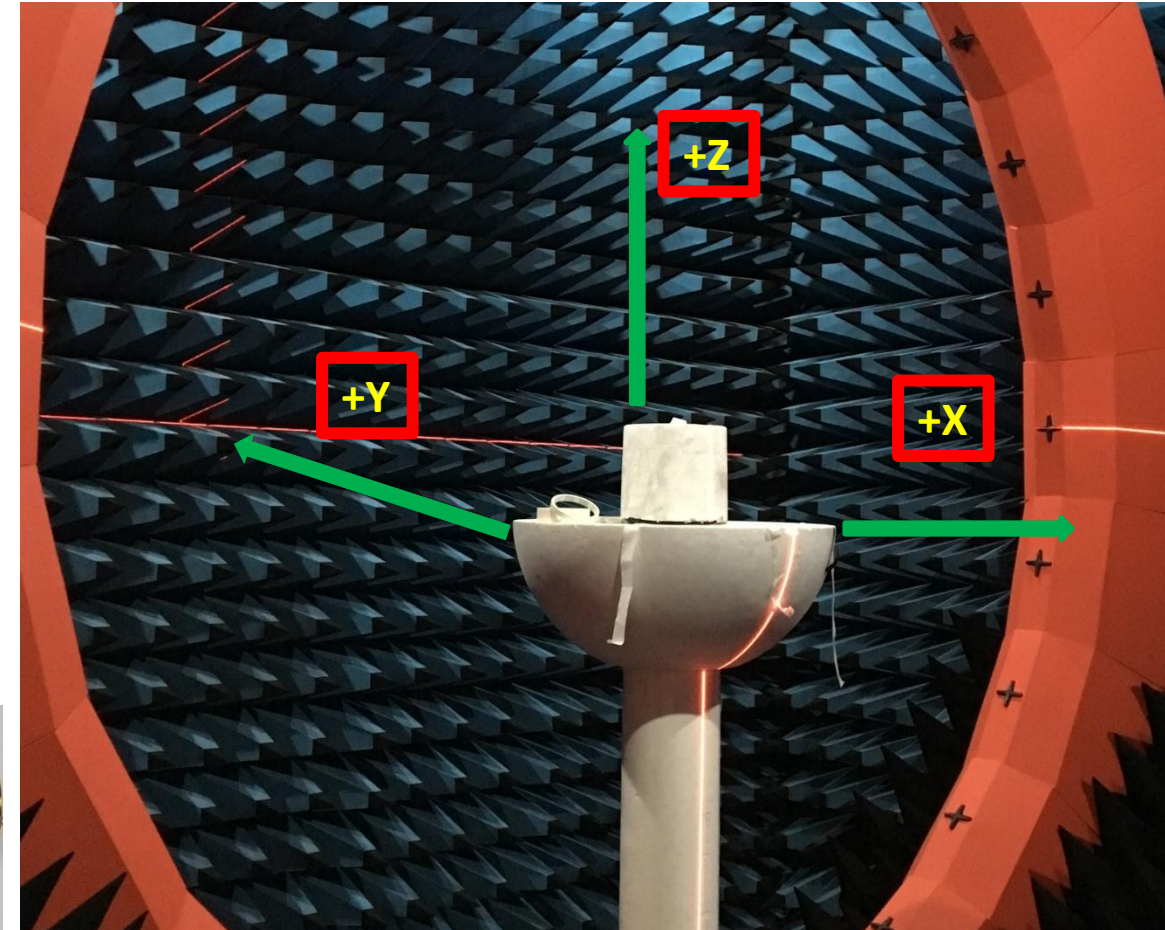
Measurement Configuration

[Direction Definition]



Pulse ANT3216LL00R2400A

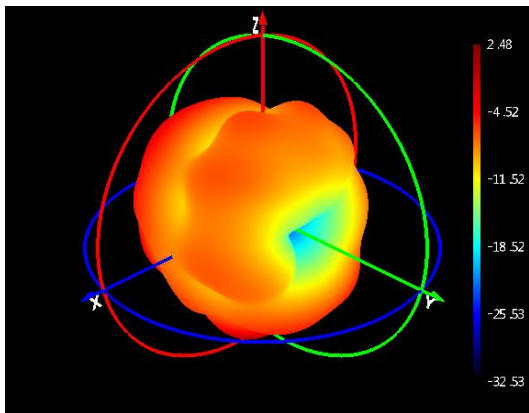
[Testing Environment]



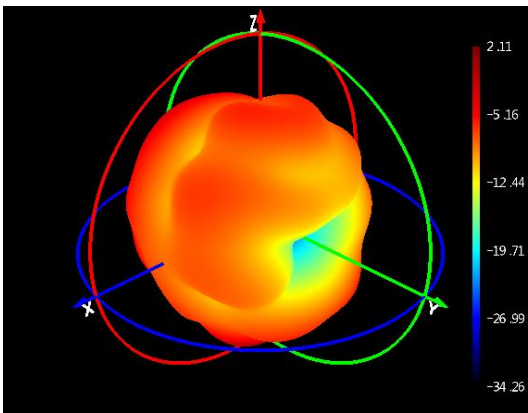
Radiation Pattern (2D & 3D)

3D

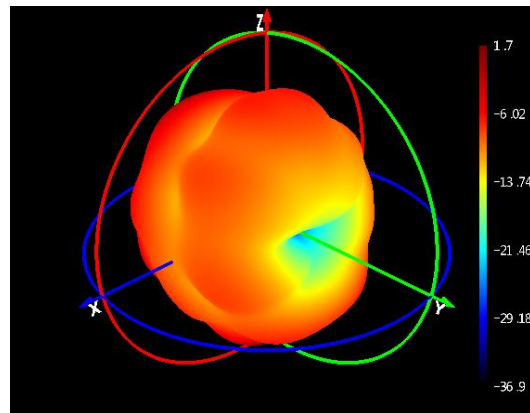
2400 MHz



2442 MHz

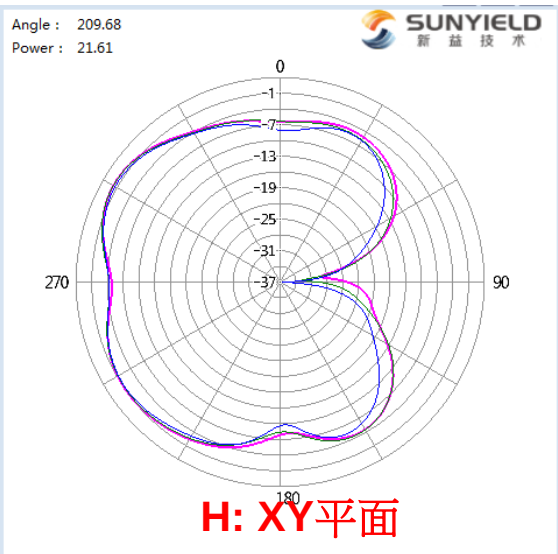
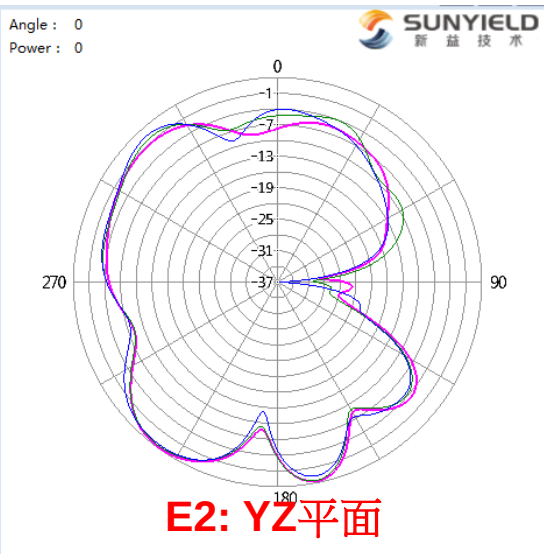
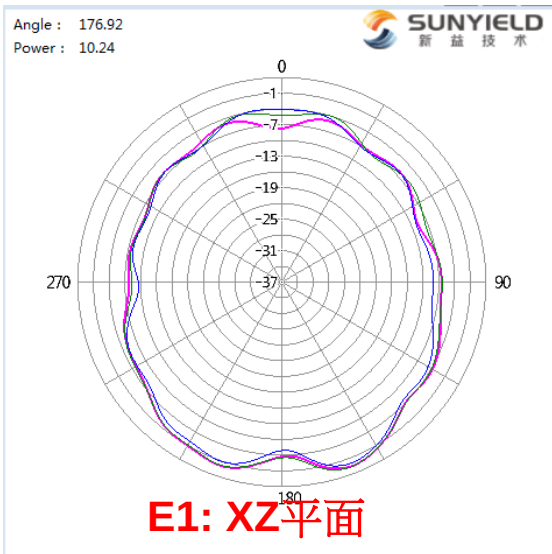


2484 MHz



2D

— 2400MHz
— 2442MHz
— 2484MHz



ANT3216LL00R2400A EVB样品实测效率36.86-42.24% ;

Thank You

