

PULSE 3216 2.4G Chip Antenna Measurement For Primax - Mouse and BT adapter Project

Wireless Components
LTCC R&D

May 7, 2025



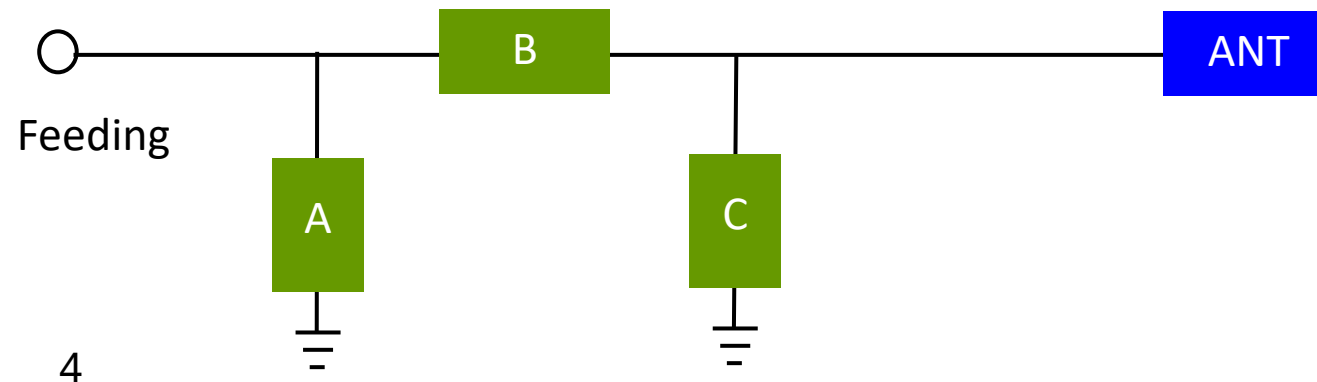
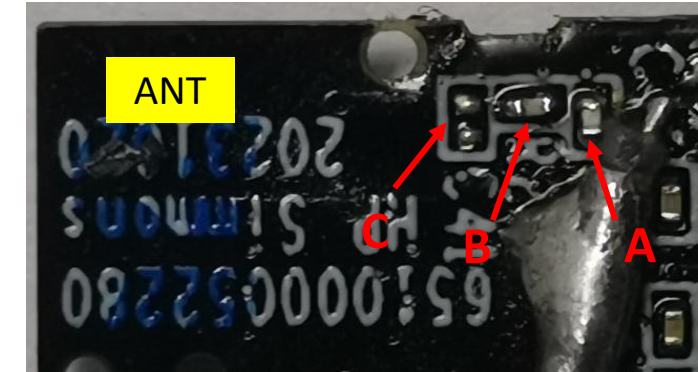
製造商：Pulse
製造商地址：江苏省苏州市高新区火炬路99号

- **Customer :Primax**
- **Project Name : Mouse and BT adapter**
- **Application :USB-Dongle**
- **Antenna size :**
3.2x1.6x1.2 (mm) 2.4GHz chip antenna ([ANT3216LL00R2400A](#))
- **PCB size : 19*9 mm**
- **Report date : 2025/05/07**
- **Version : 1**

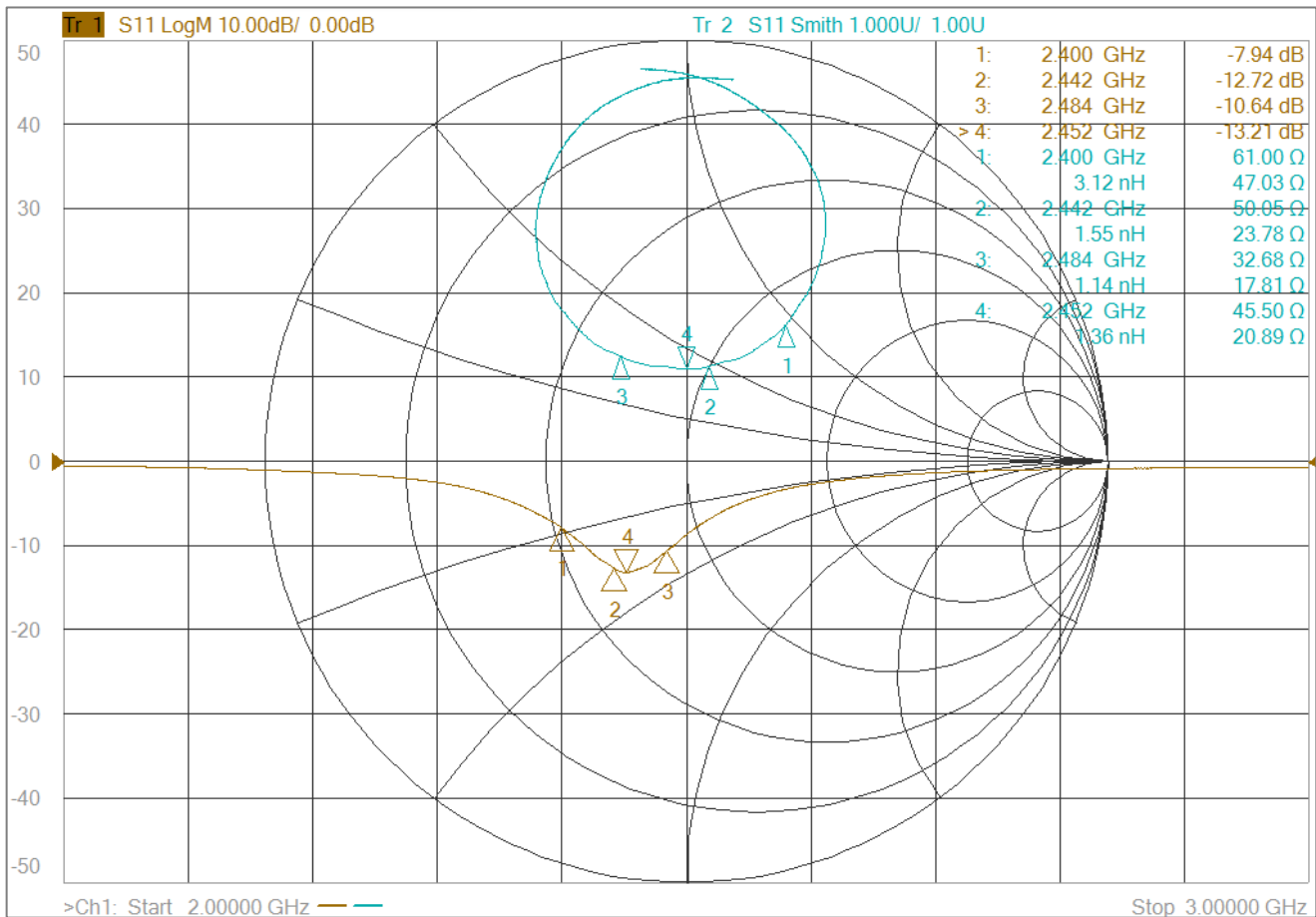
Matching Circuit

Component		Supplier	Value	PN
A	Ind._0201	Chilisin	1.8nH	CLH0603T-1N8S-S
B	Ind._0201	Chilisin	1.5nH	CLH0603T-1N5S-S
C			OPEN	

Pulse ANT3216LL00R2400A



Measurement Data

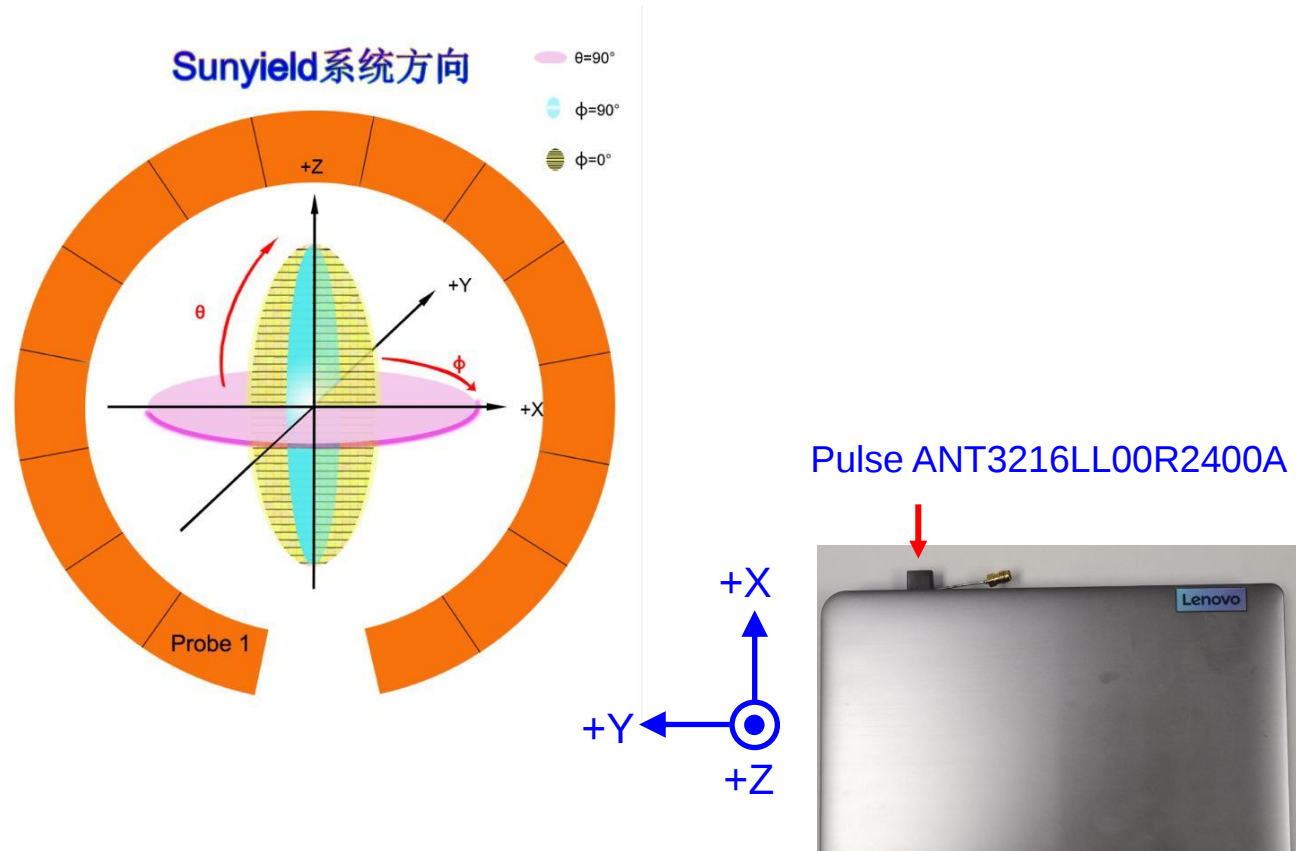


样品+环境 测量数据

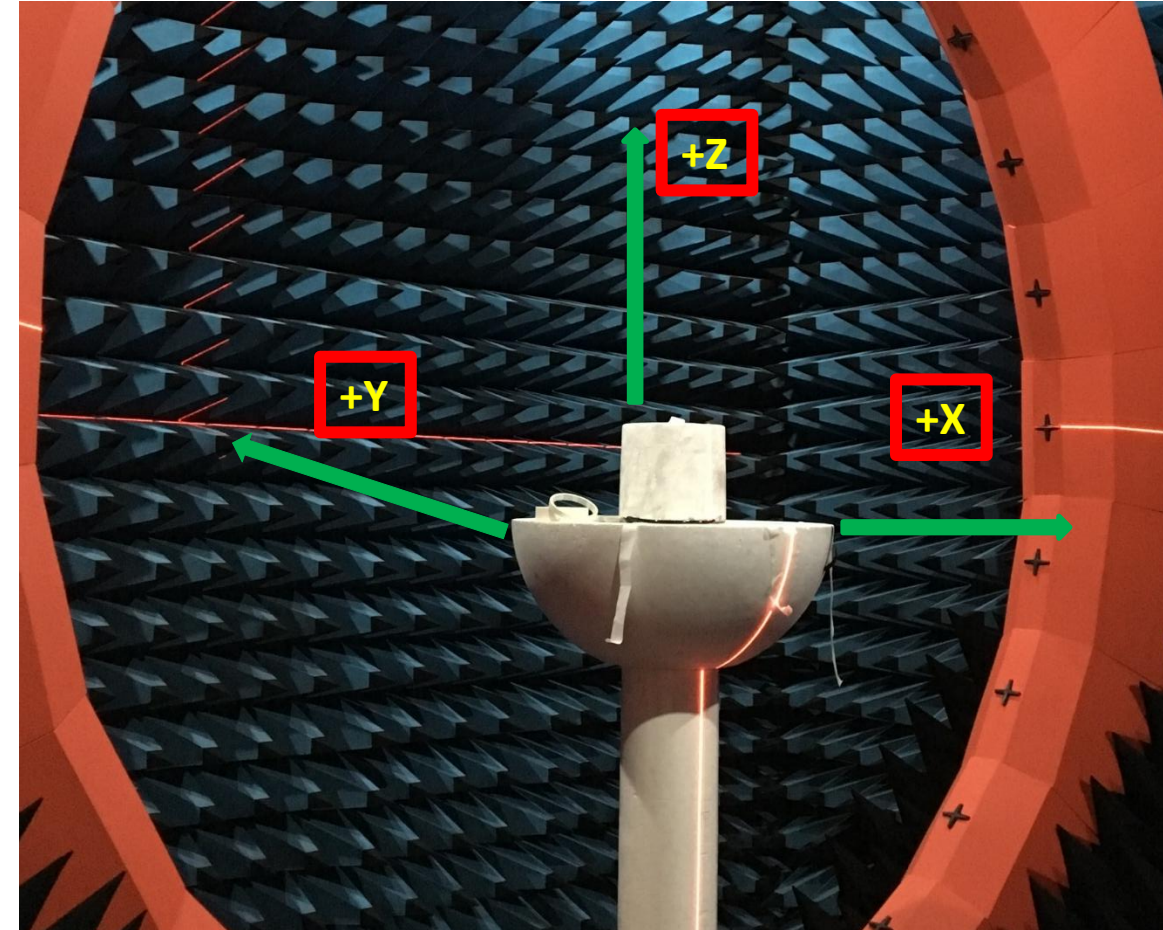
Antenna	ANT3216LL00R2400A		
Frequency (MHz)	2400	2442	2484
R.L. (dB)	-7.94	-12.72	-10.64
Max. Gain (dBi)	0.98	1.31	1.22
Avg. Gain (dB)	-4.28	-3.84	-4.88
Efficiency (%)	39.30	41.29	32.48

Measurement Configuration

[Direction Definition]



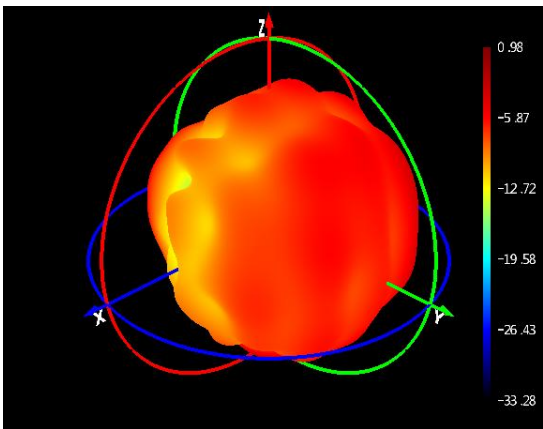
[Testing Environment]



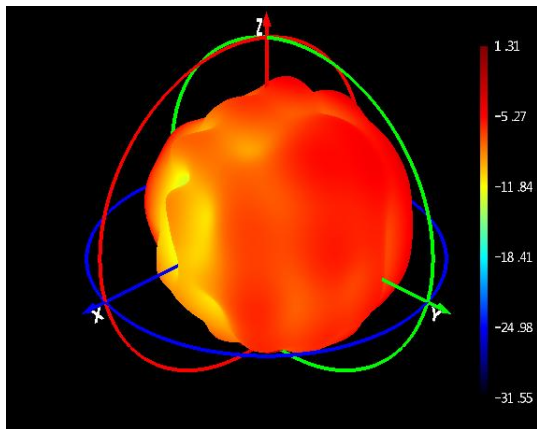
Radiation Pattern (3D&2D)

3D

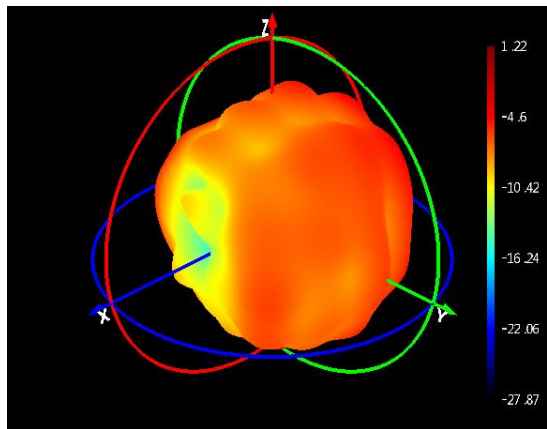
2400MHz



2442MHz

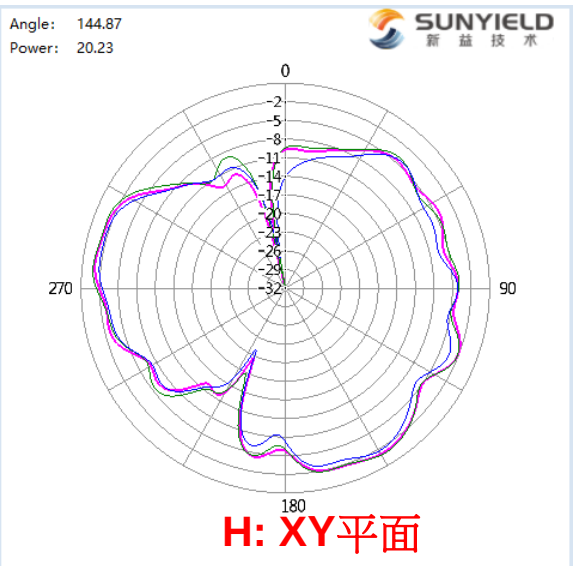
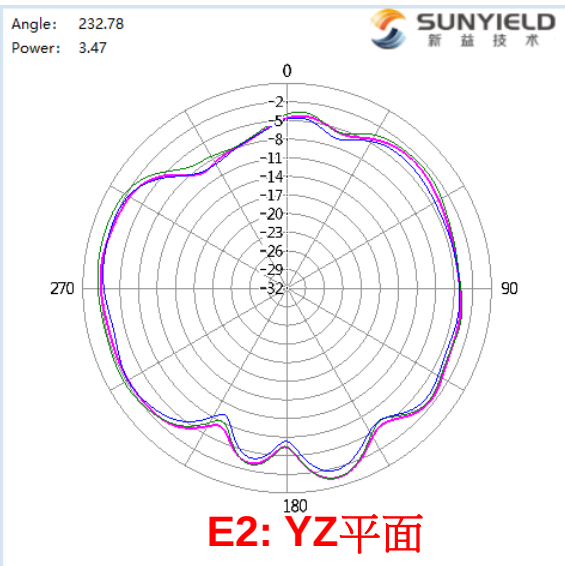
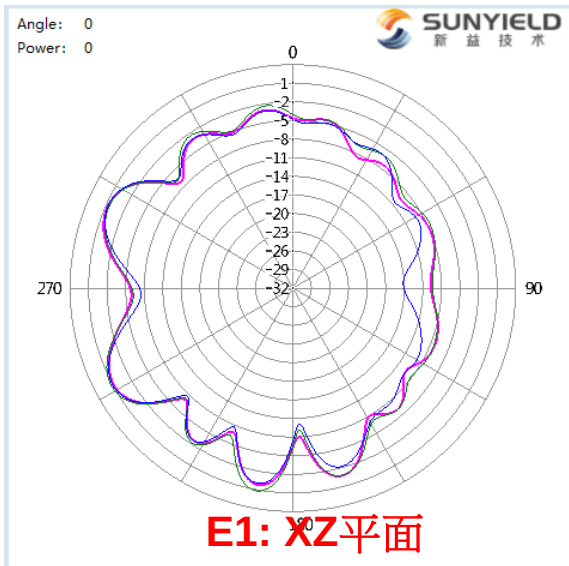


2484MHz



2D

— 2400MHz
— 2442MHz
— 2484MHz



本样品加环境实测效率为**32.48-41.29%** ;

Thank You

