

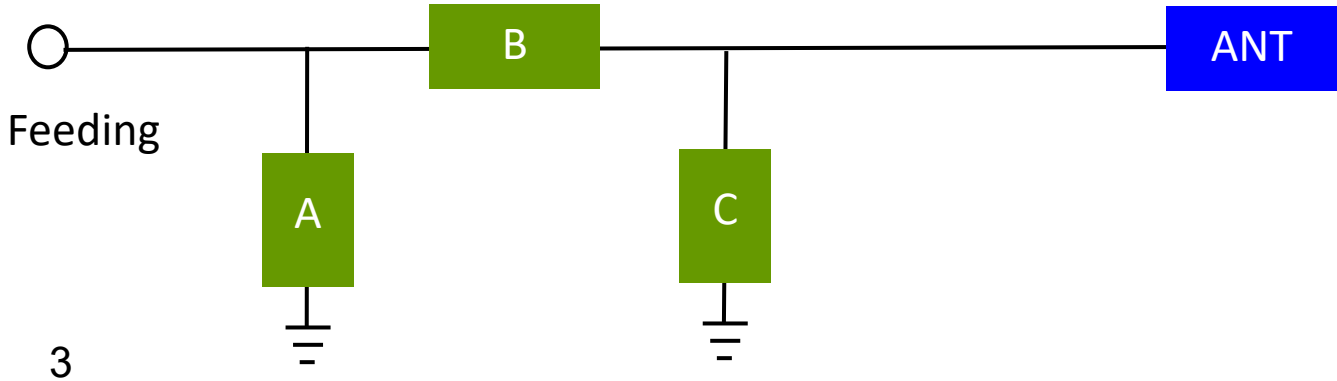
PULSE 5320 Chip Antenna Measurement For Siemens-RXV370KT Project

Wireless Components
LTCC R&D

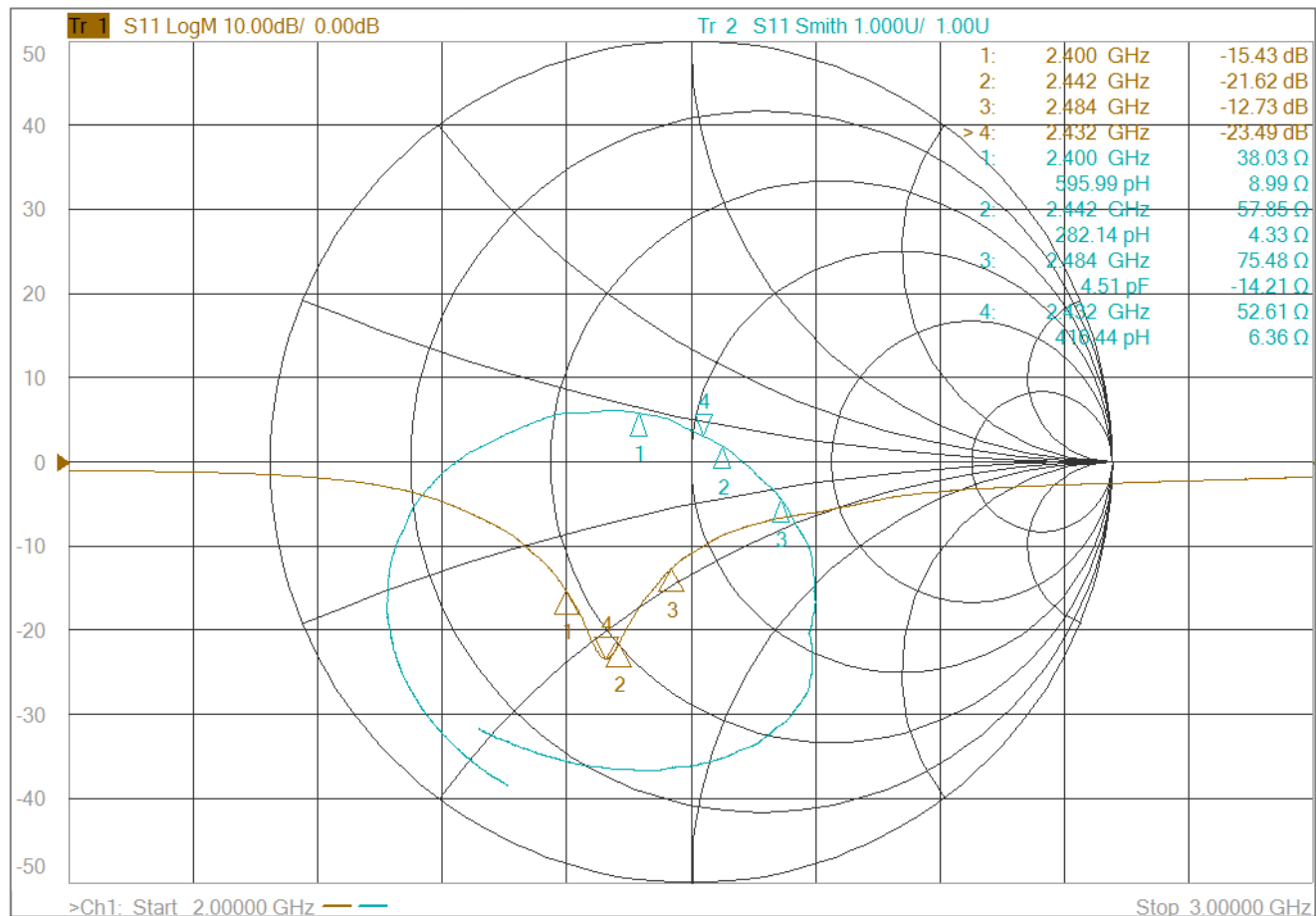
- **Customer : Siemens**
- **Project Name : RXV370KT**
- **Application :Thermostat**
- **Antenna size :**
5.3x2.0x1.3 (mm) 2.4GHz chip antenna ([ANT5320LL45R2400A](#))
- **PCB size : 135*85 mm**
- **Report date : 2025/08/21**
- **Version : 1**

Matching Circuit

Component		Supplier	Value	PN
A			OPEN	
B	Cap._0402	Yageo	1.2pF	CQ0402BRNPO9BN1R2
C	Ind._0402	Chilisin	6.8nH	CLH1005T-6N8J-S



Measurement Data

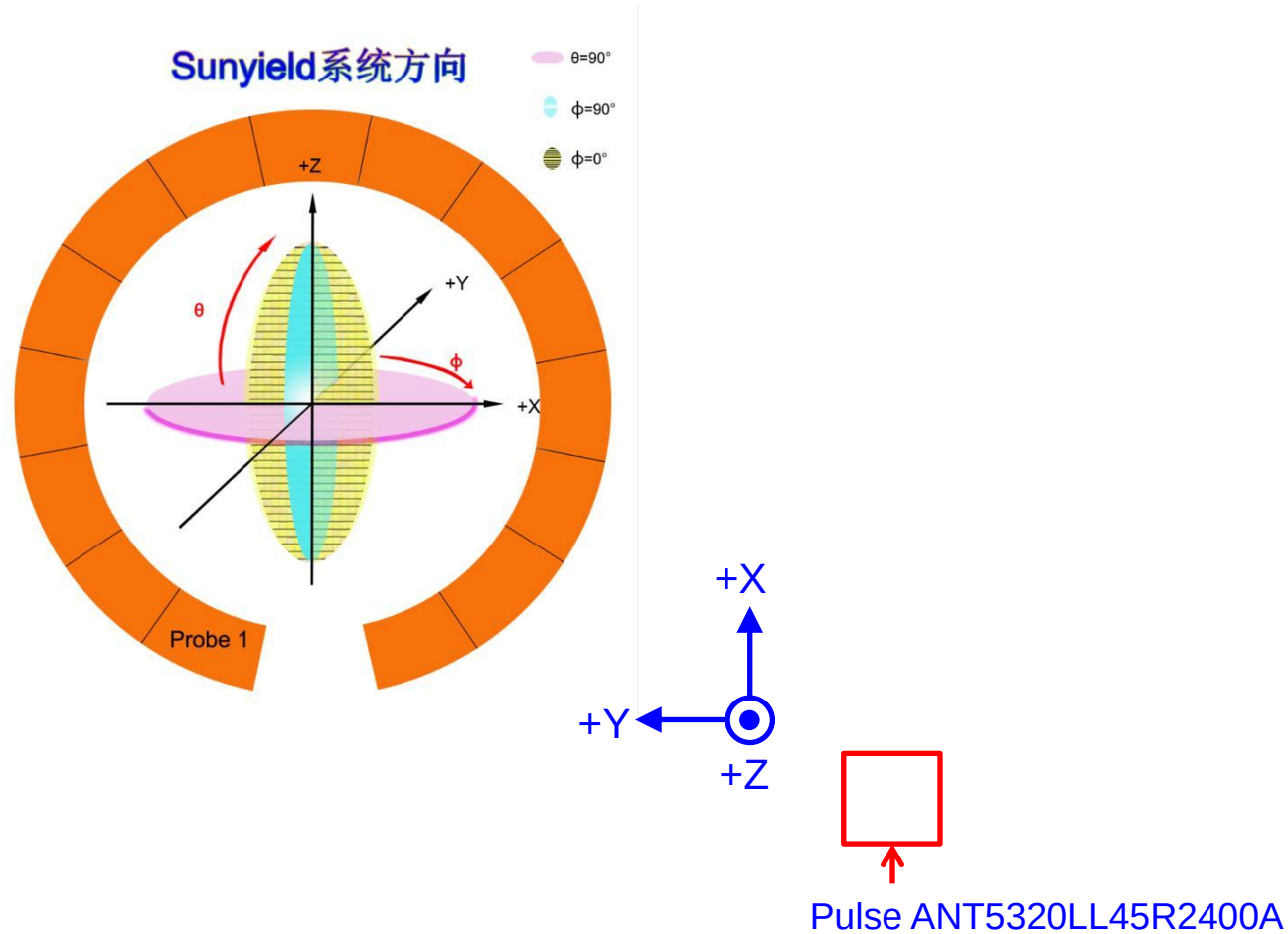


样品 测量数据

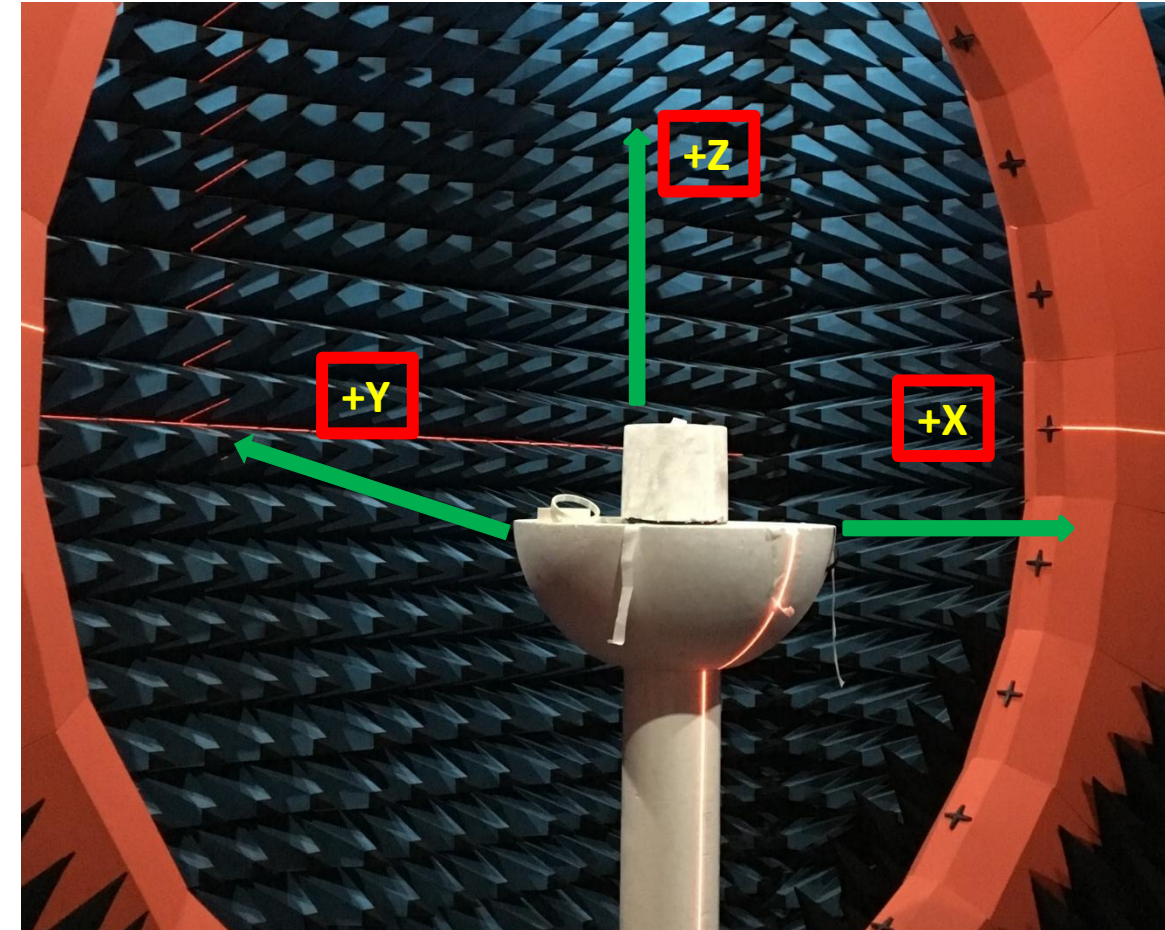
Antenna	ANT5320LL45R2400A		
Frequency (MHz)	2400	2442	2484
R.L. (dB)	-15.43	-21.62	-12.73
Max. Gain (dBi)	2.10	1.94	1.62
Avg. Gain (dB)	-2.56	-2.45	-2.98
Efficiency (%)	55.45	56.86	50.35

Measurement Configuration

[Direction Definition]



[Testing Environment]

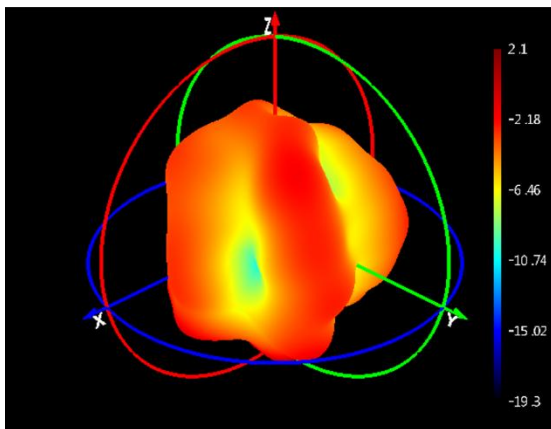


Radiation Pattern (3D&2D)

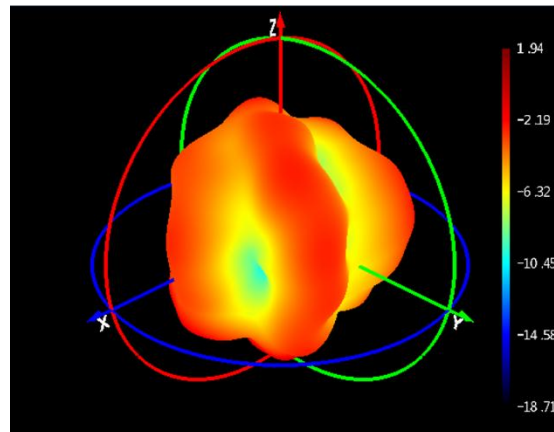
3D

单模块环境

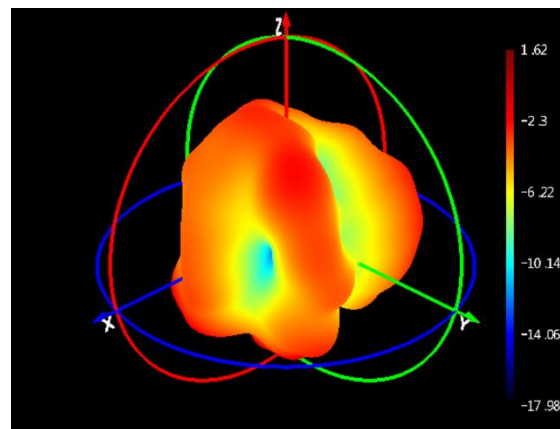
2400MHz



2442MHz

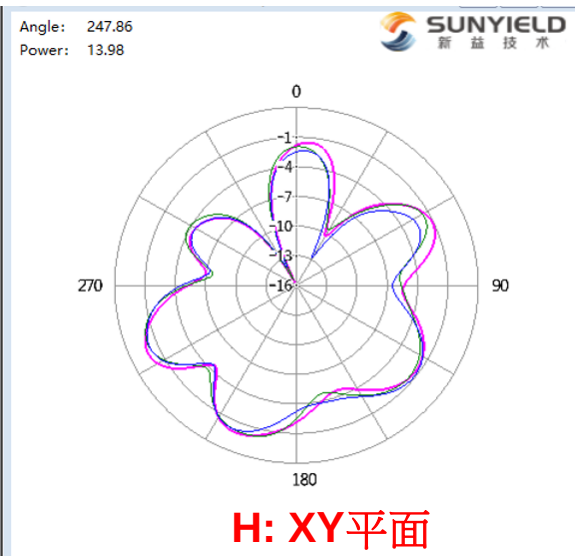
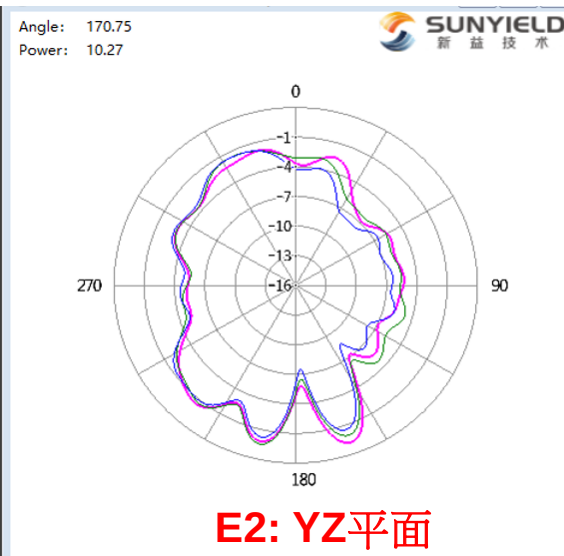
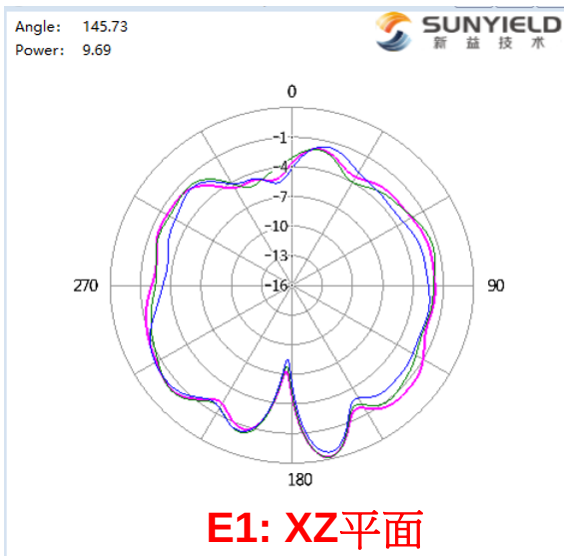


2484MHz



2D

— 2400MHz
— 2442MHz
— 2484MHz



Thank You

