

Pulse 調適報告 for 西門子 傳感器

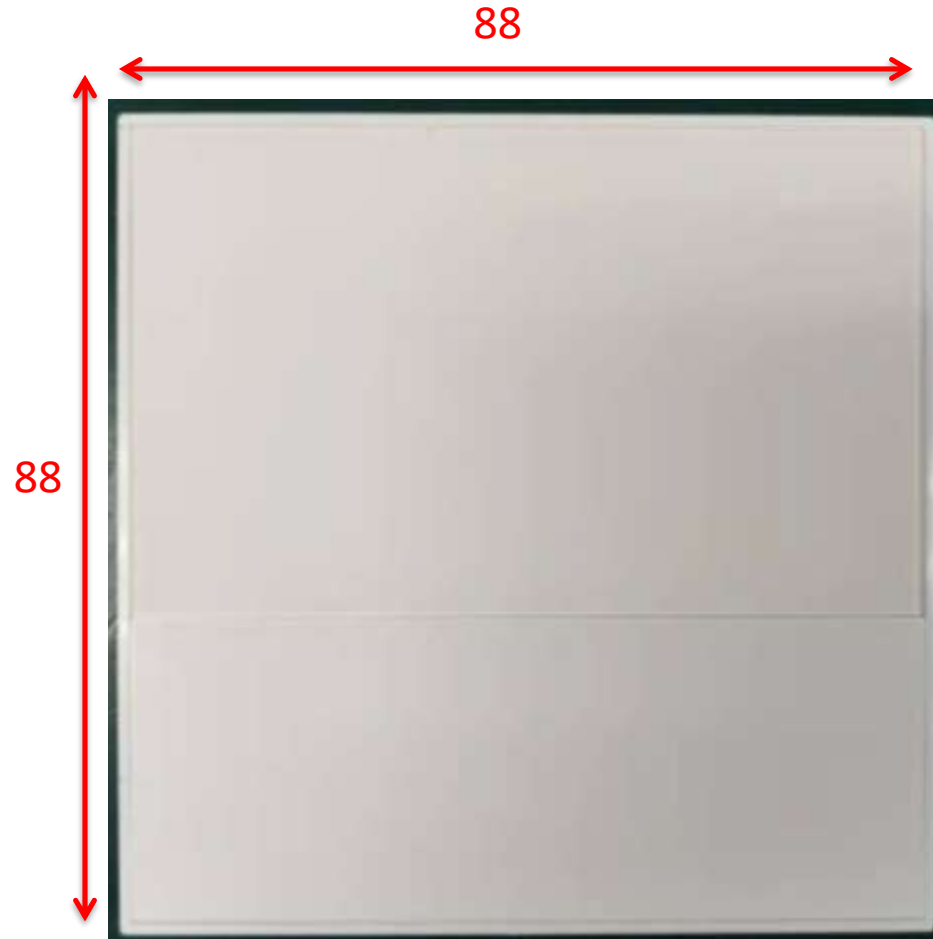
March 14, 2022



1. Customer : 西門子
2. Project Name : 傳感器
3. Application : 溫度感測器
4. Version : 3

Yageo Antenna : ANT5320LL45R2400A

Product Appearance



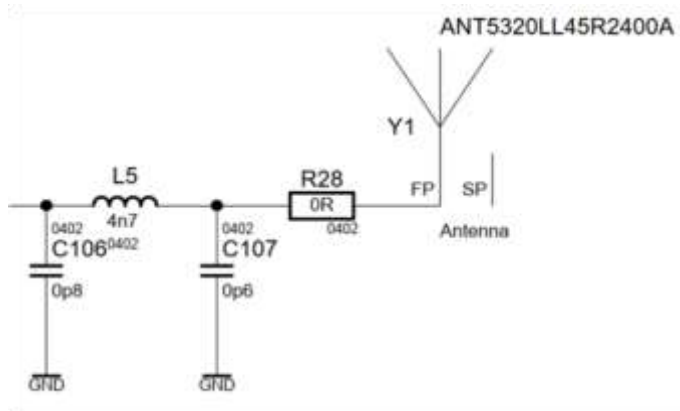
Unit : mm

CNC機殼_正面

ANT5320LL45R2400A

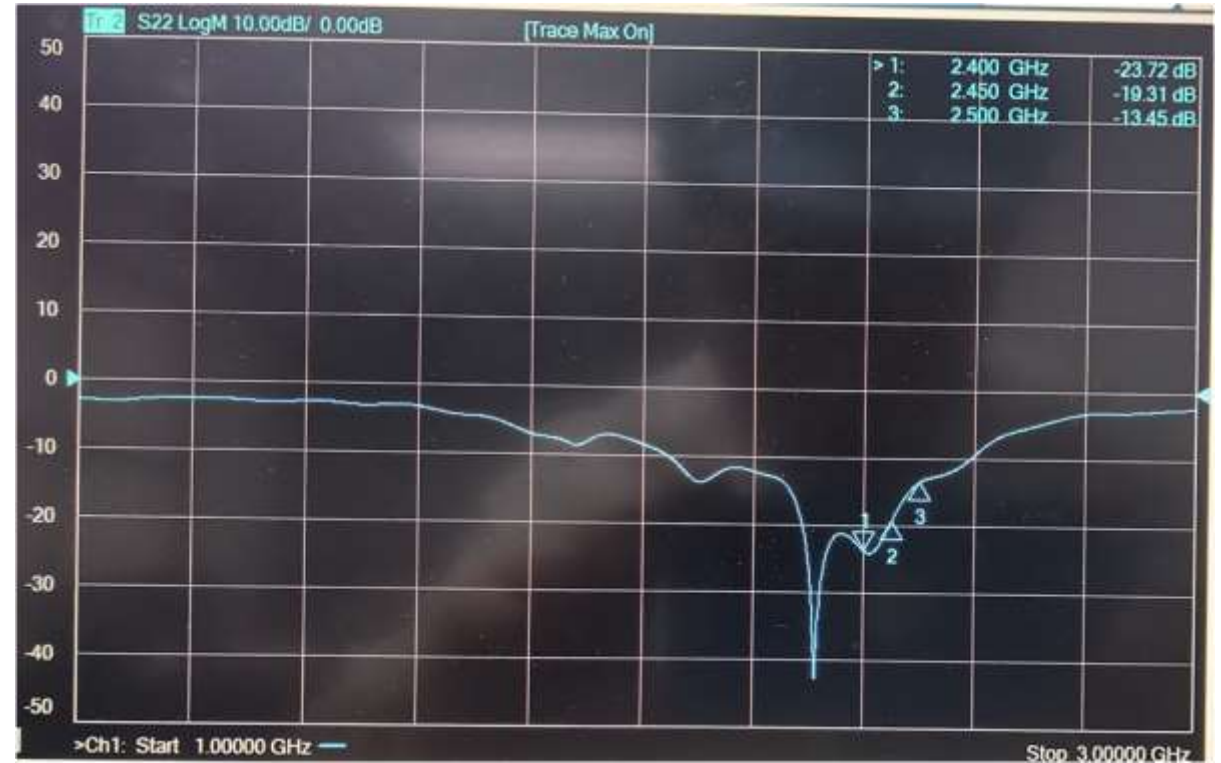


Matching Circuit



Matching Circuit :

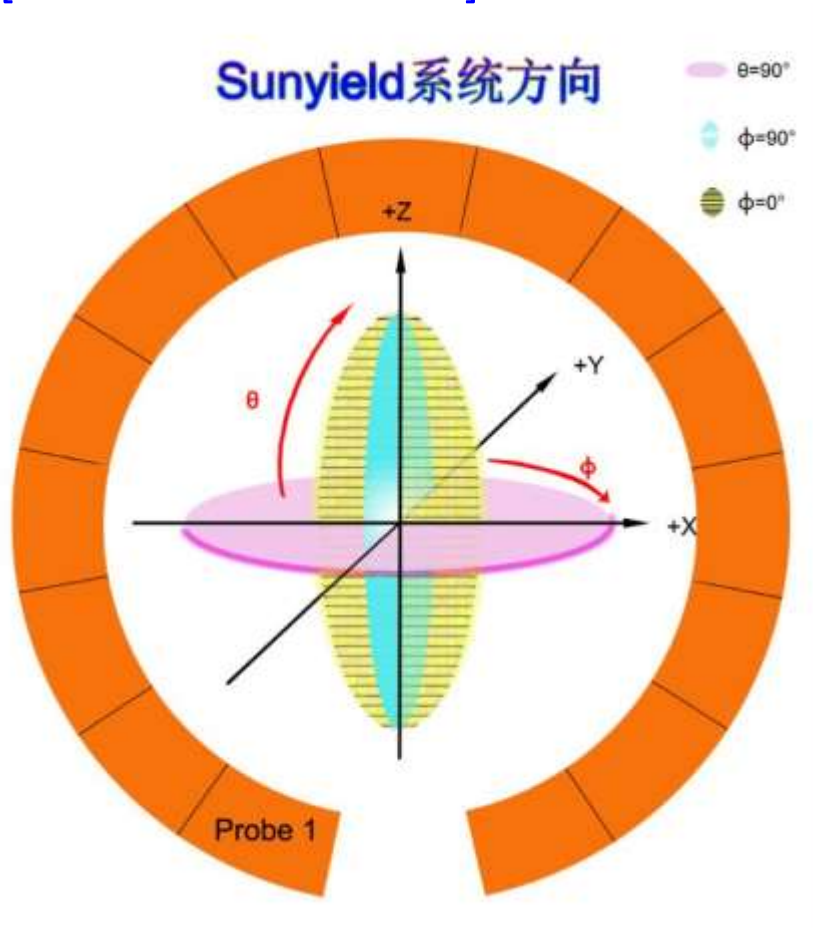
Component		Value	
R28	Resistance		0Ω
C106	Capacitor	Murata	0.8 pF
C107	Capacitor	Yageo	0.6 pF
L5	Inductor	Yageo	4.7 nH



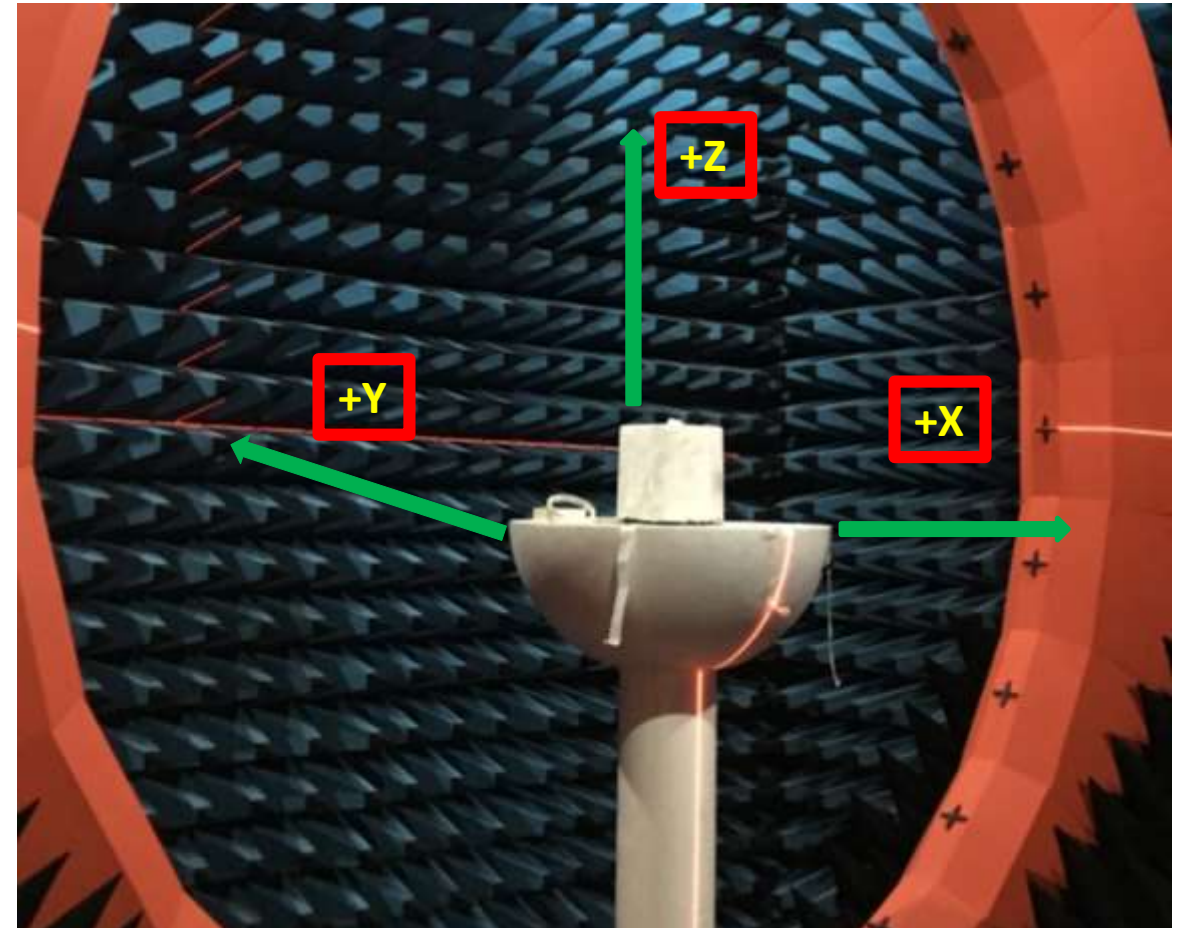
Frequency (MHz)	2400	2450	2500
R.L. (dB)	-23.72	-19.31	-13.45

Measurement Configuration

[Direction Definition]



[Testing Environment]



Antenna Performance

Response (dB)

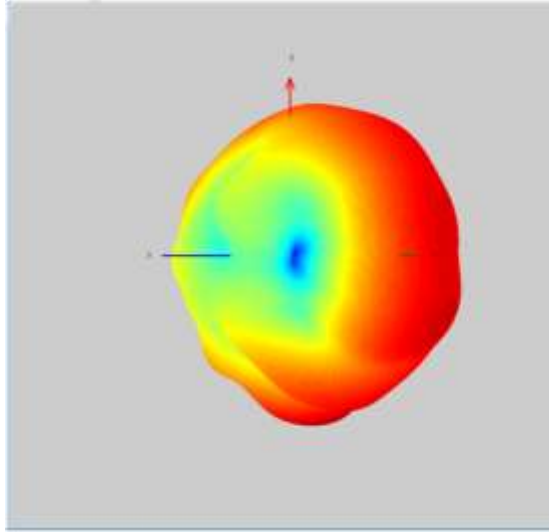
5

-10

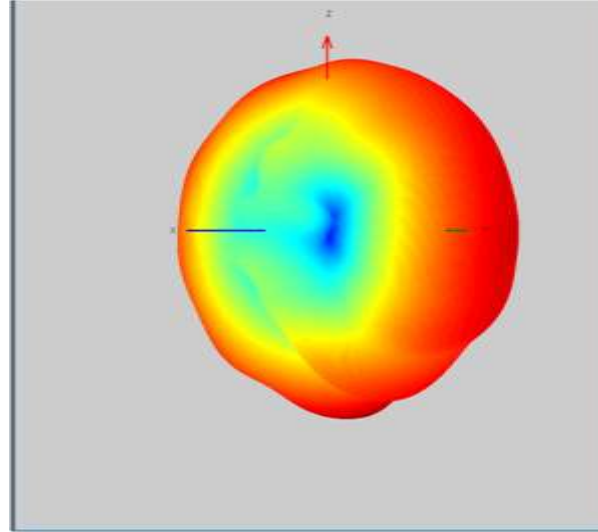
-20

-30

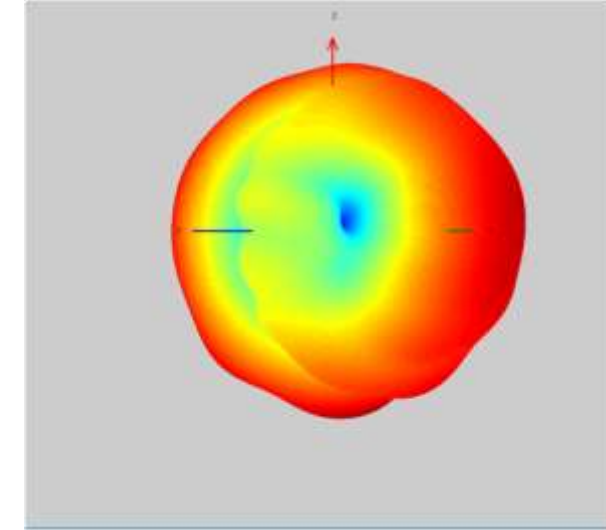
-40



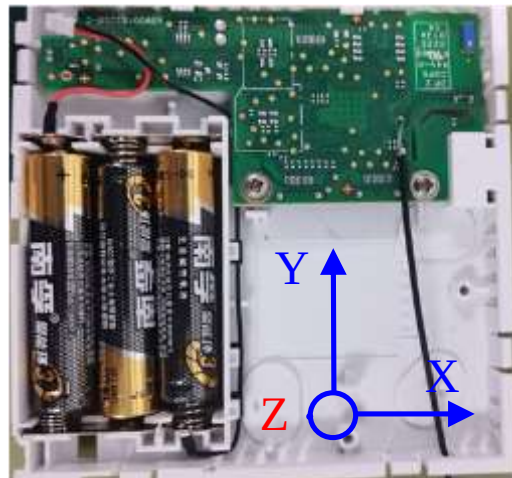
2400 MHz



2450 MHz



2500MHz



Frequency (MHz)	2400	2450	2500
R.L. (dB)	-23.72	-19.31	-13.45
Gain(dB)	2.54	2.65	2.34
Avg. Gain(dB)	-3.02	-3.16	-3.39
Efficiency (%)	49.3	48.7	45.6

Thank You

