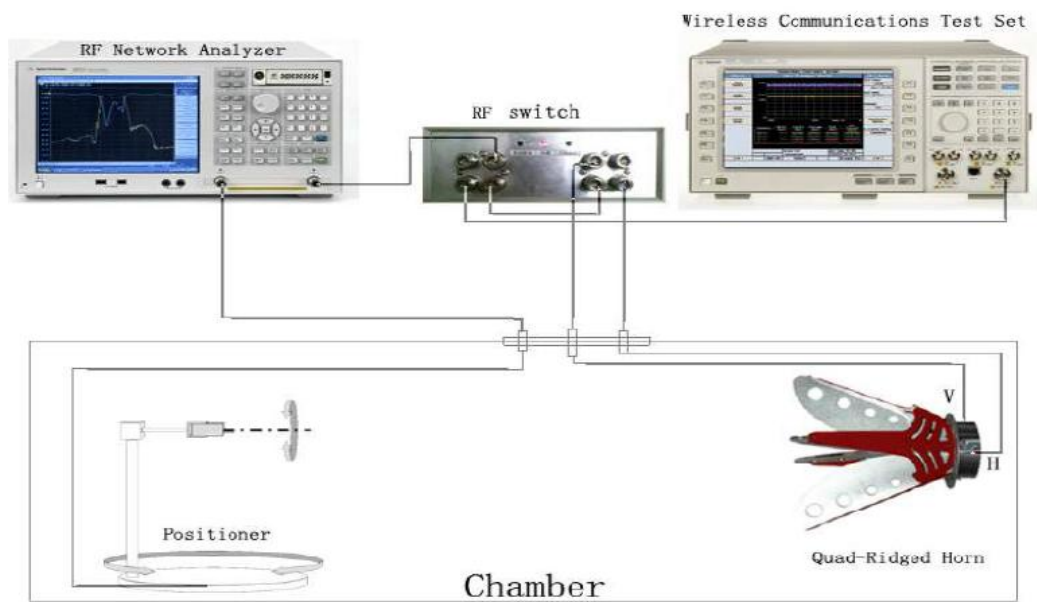


Antenna Test Report

Entry name:	KN – ANC C1
Material category:	BT antenna
Antenna Type	PCB Antenna
Date:	2025.06.24
customer:	ZHENZHENSHI QIRUI ELECTRON CO.,LTD
Address:	2A, No.140, SongyuRoad, SonggangStreet, Baoan District, Shenzhen City, Guangdong Province

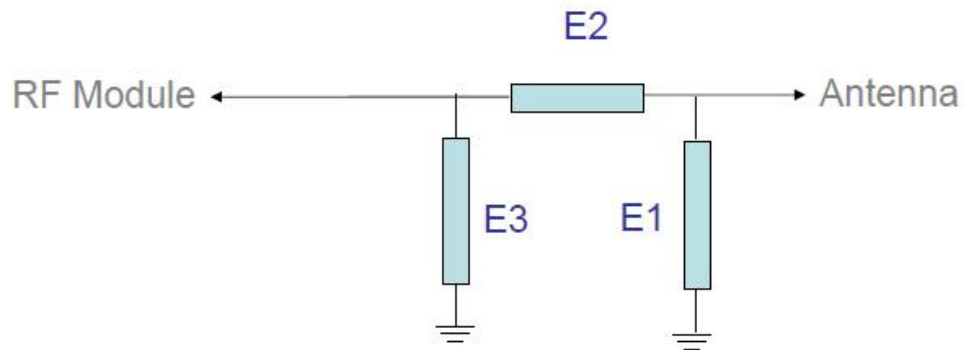
测试系统



Catalogue

- 1、 matching circuit
- 2、 Passive test data
- 3、 OTA test data
- 4、 Antenna size

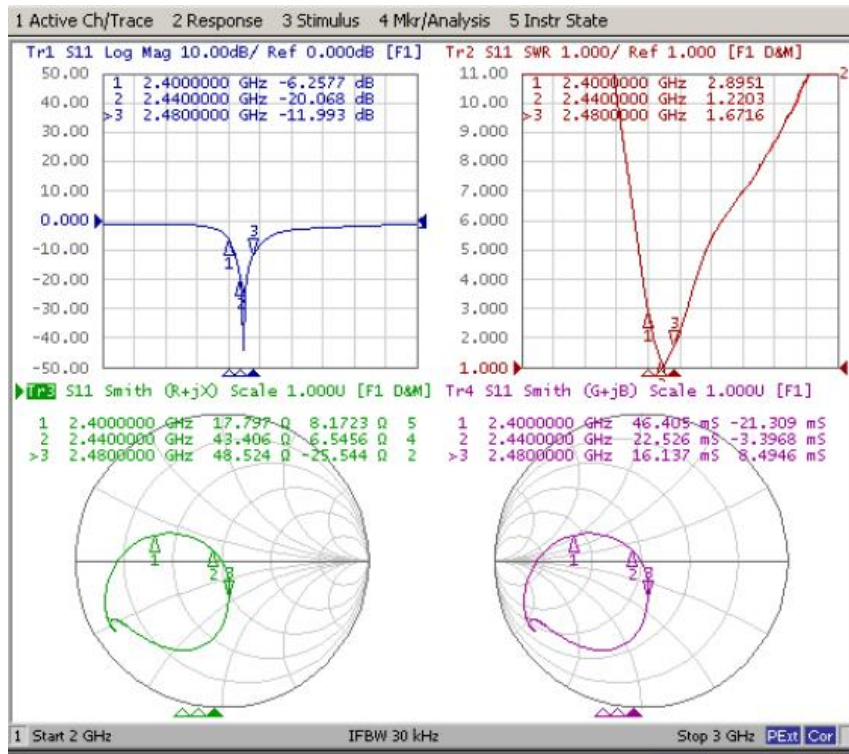
1. Matching circuit



Element	Value
E1	2.4Nh(0402)
E2	0R(0402)
E3	NC

2. Passive test data

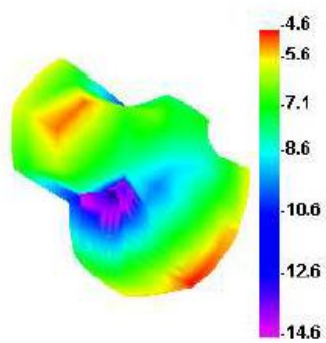
2.1 S11 parameter



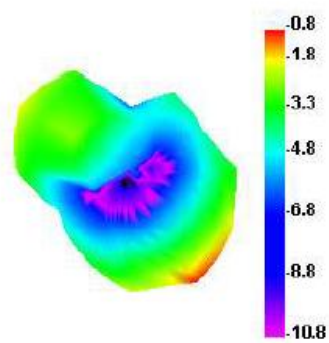
2.2 Gain & Efficiency

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	11.77	-9.27	-4.6
2410	15.06	-8.21	-3.4
2420	16.58	-7.98	-2.72
2430	19.82	-7.13	-1.66
2440	22.12	-6.66	-0.8
2450	25.11	-6.01	-0.22
2460	25.99	-5.88	0.15
2470	26.54	-5.77	0.2
2480	26.13	-5.76	0

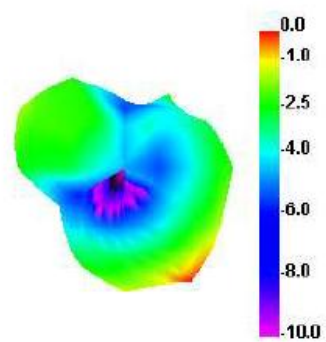
2400.000MHz



2440.000MHz

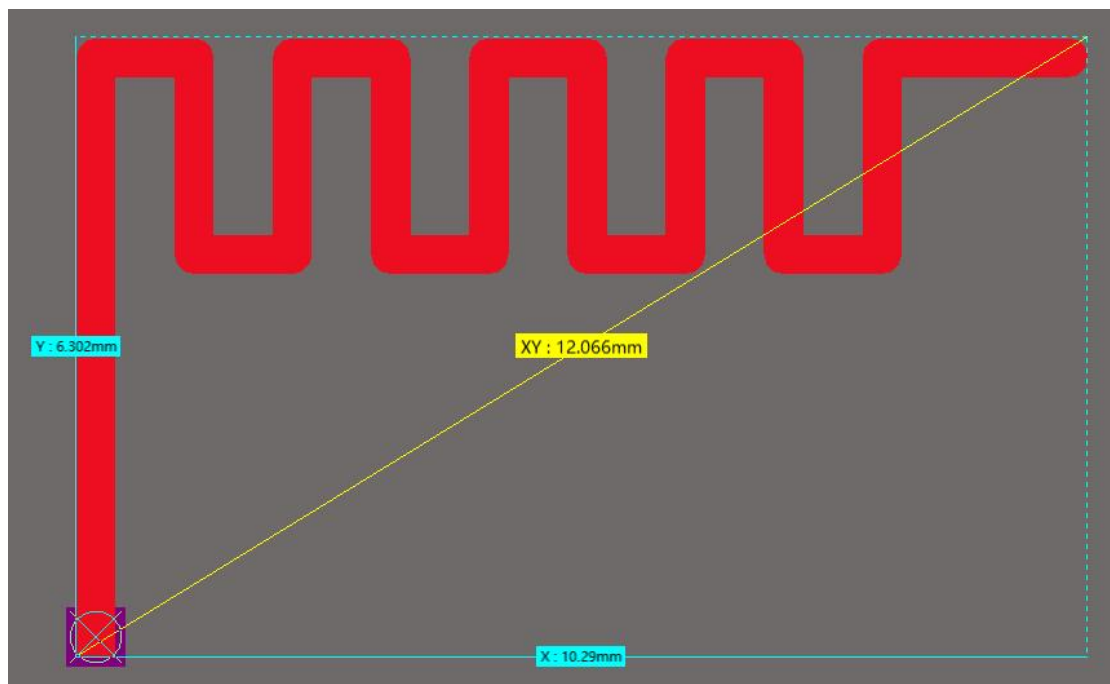


2480.000MHz



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3. Antenna size:10.29*6.302mm



4. OTA Test Data

band	channel	TRP(dBm)	TIS(dBm)
Bluetooth BR	0	-0.3	-89.9
	39	0.75	-90.1
	78	0.11	-89.8