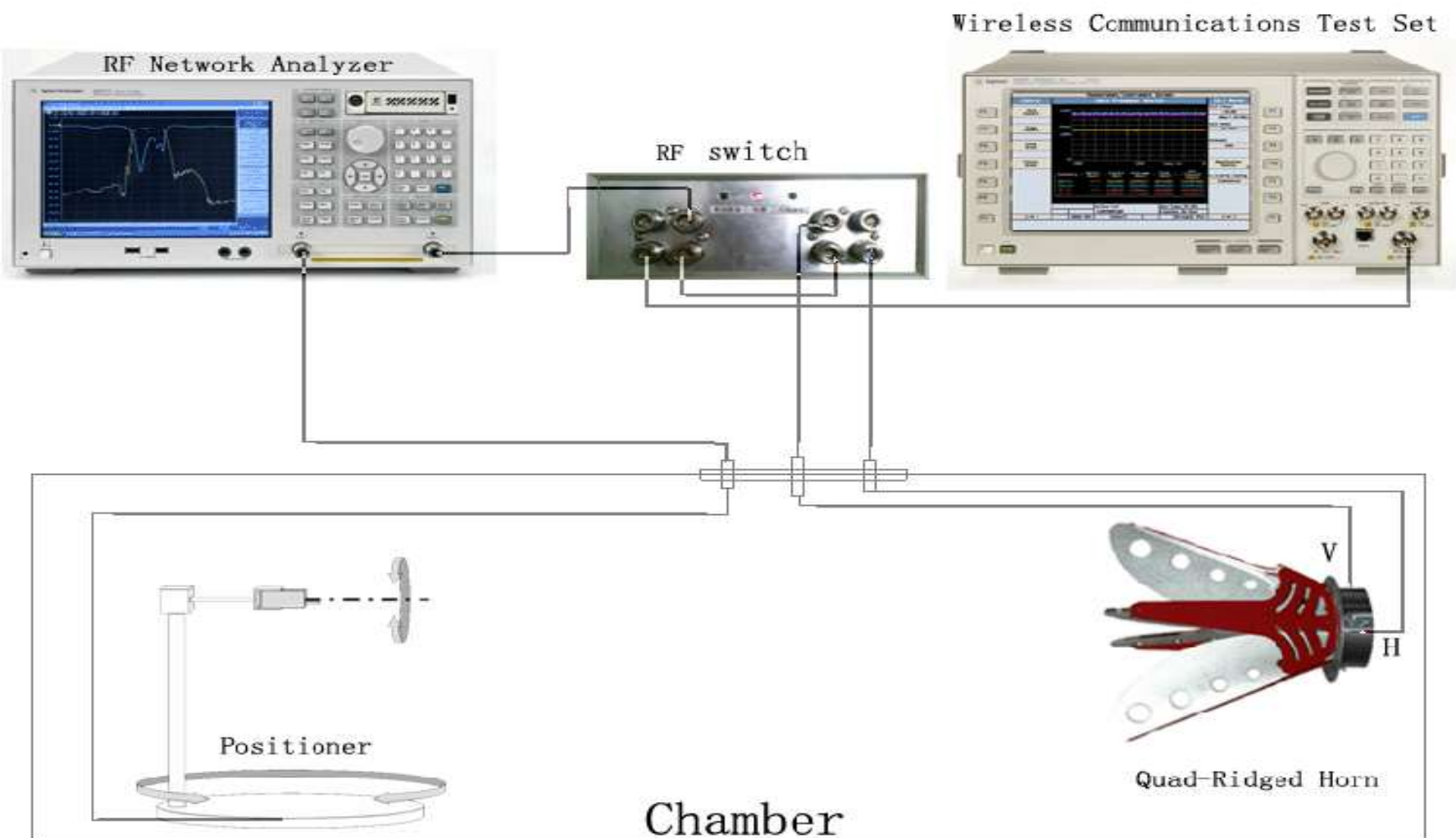


Antenna Test Report

entry name:	Kn - anc C8
Material category:	BT antenna
Antenna Type	PCB Antenna
Date:	2025.05.13
customer:	ZHENZHENSHI QIRUI ELECTRON CO.,LTD
Address:	2A, No.140, Songyu Road, Songgang Street, Baoan District, Shenzhen City, Guangdong Province

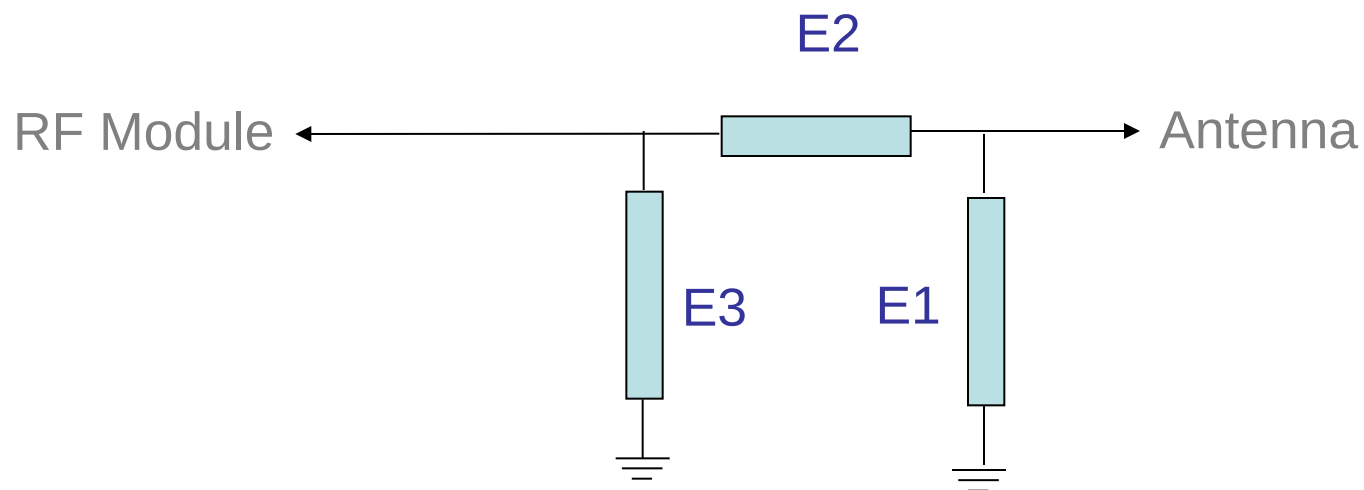
测试系统



catalogue

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

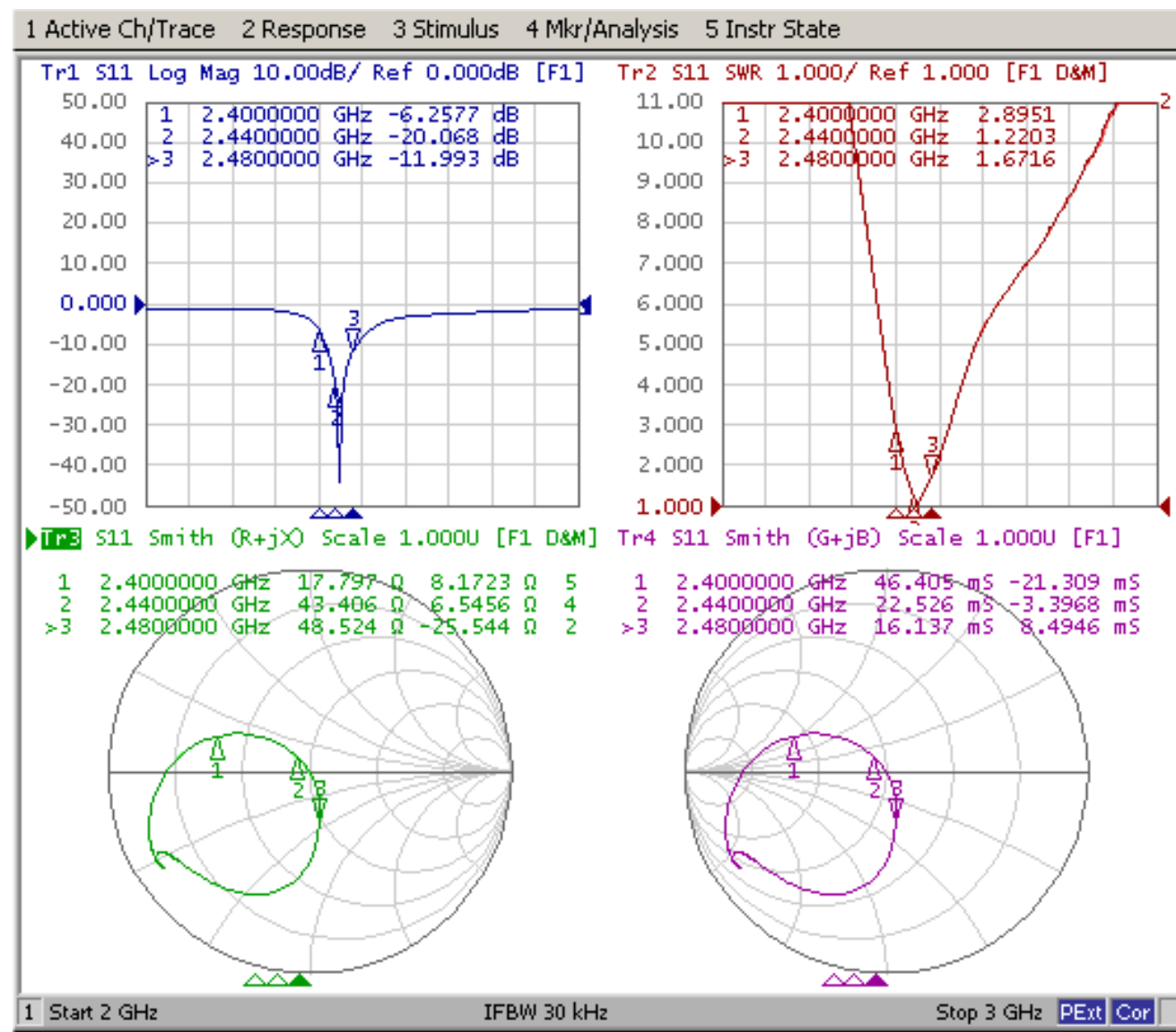
matching circuit



Element	Value
E1(0201)	NC
E2(0201)	1.5nH
E3(0201)	2.4pF

2 Passive test data

2.1 S11 Parameter

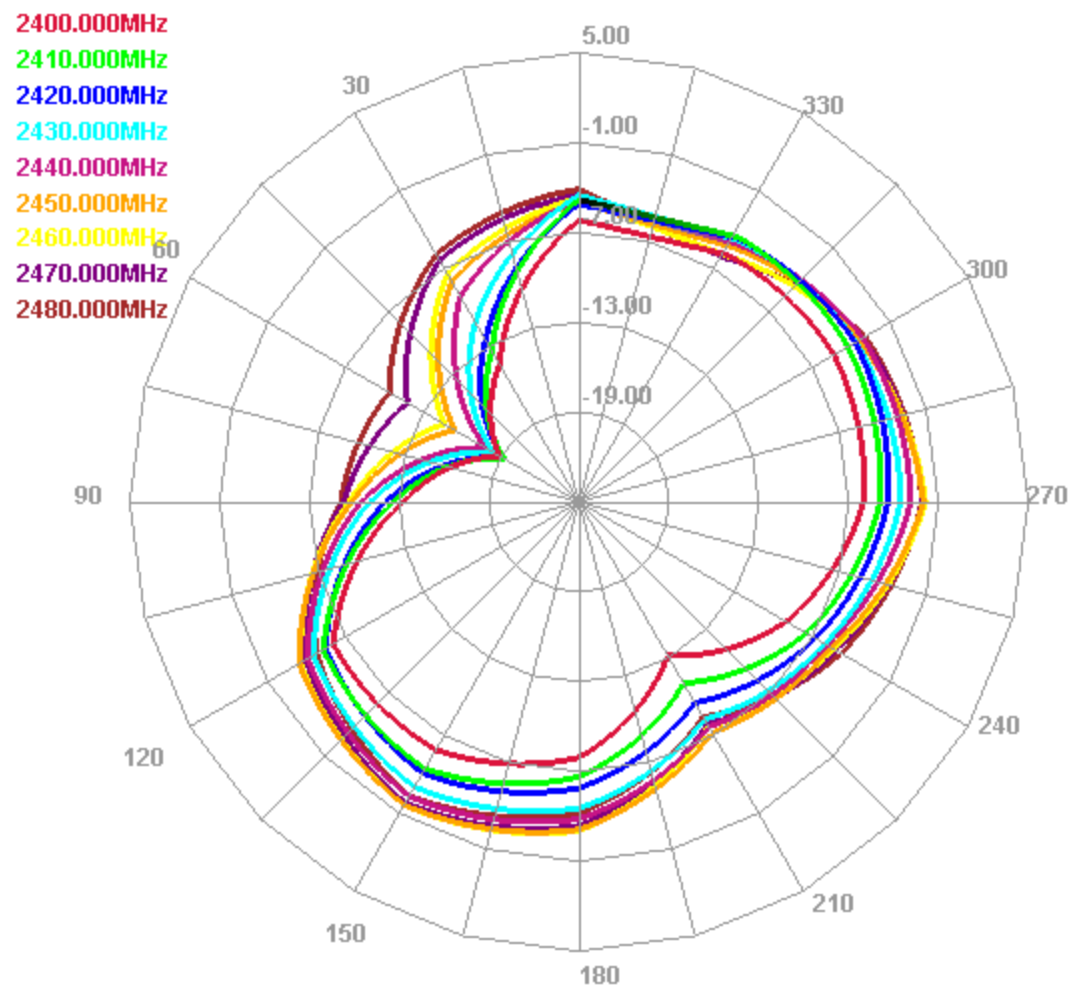


2.2 Gain & Efficiency

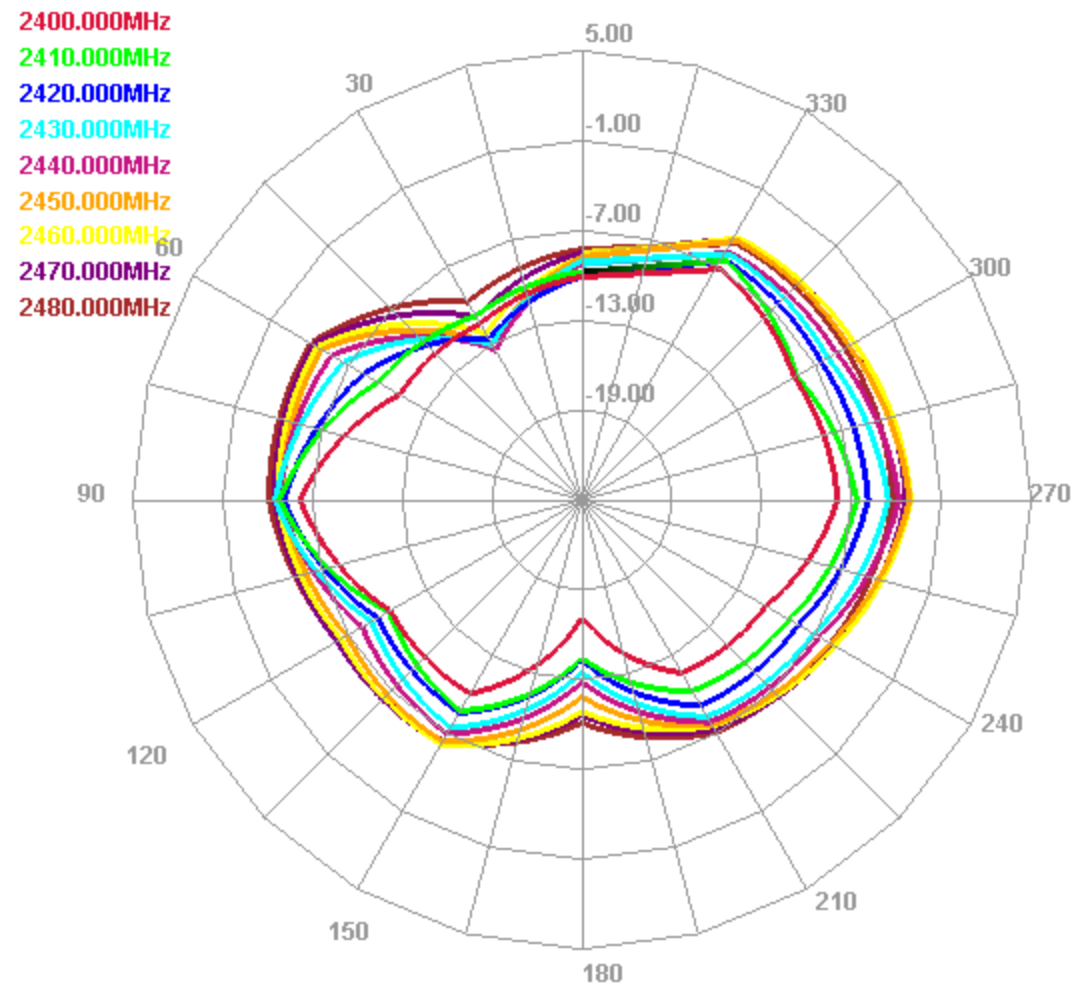
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	11.81	-9.28	-4.55
2410	15.04	-8.23	-3.5
2420	16.68	-7.78	-2.73
2430	19.8	-7.03	-1.62
2440	22.14	-6.55	-0.8
2450	25.19	-5.99	-0.09
2460	26.09	-5.84	0.2
2470	26.55	-5.76	0.32
2480	26.33	-5.8	0.05

2.3 Radiation pattern

Horizontal

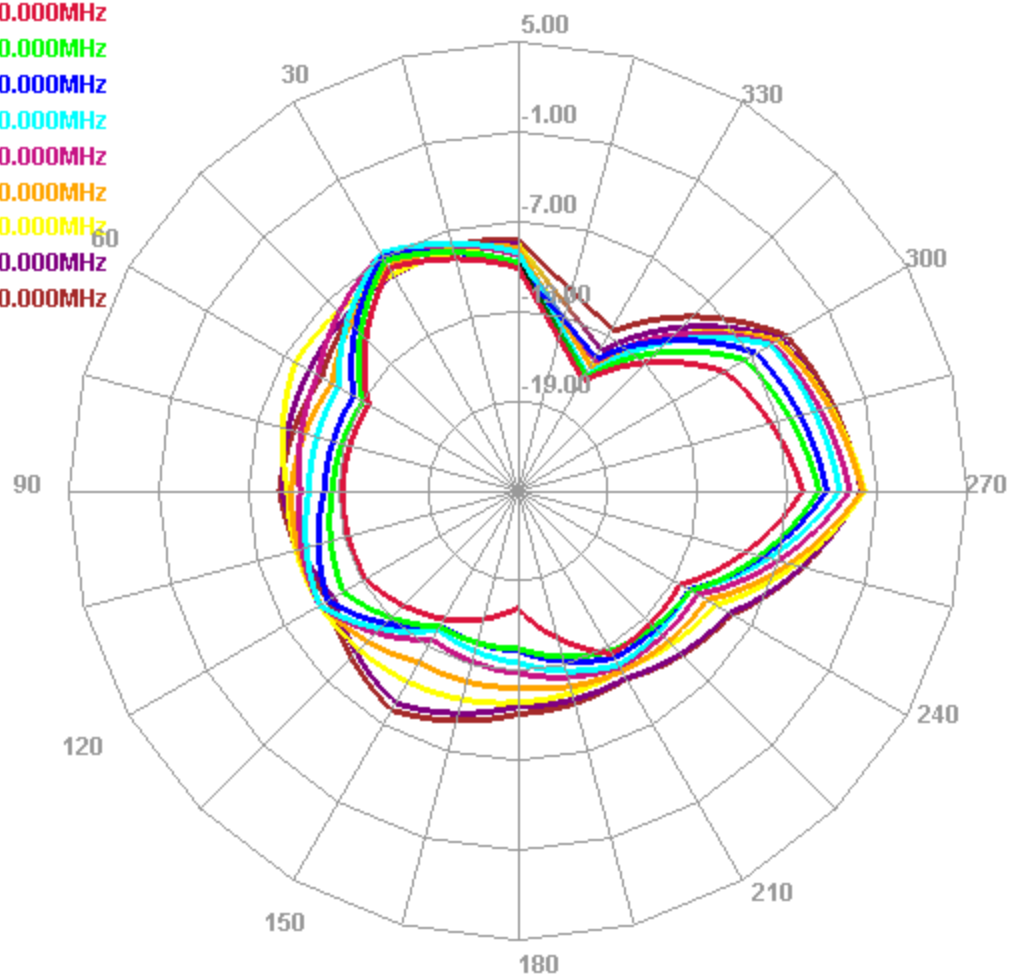


E1 Face

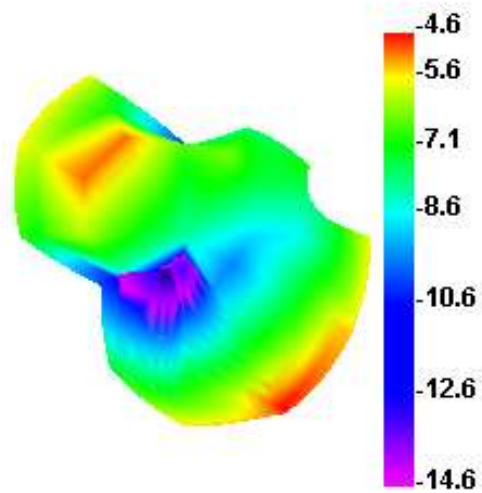


E2 Face

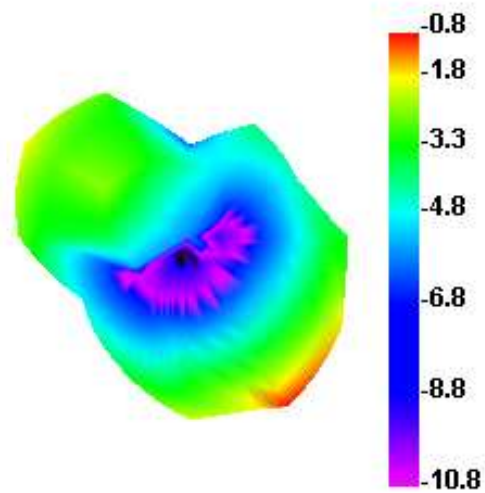
2400.000MHz
2410.000MHz
2420.000MHz
2430.000MHz
2440.000MHz
2450.000MHz
2460.000MHz
2470.000MHz
2480.000MHz



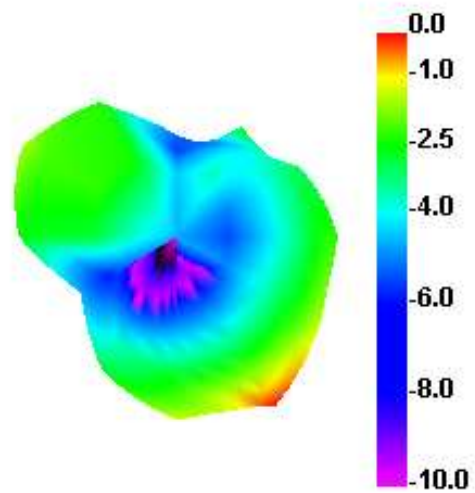
2400.000MHz



2440.000MHz



2480.000MHz



3、Antenna size:13.7*6.0mm



4、OTA Test Data

band	channel	TRP (dBm)	TIS (dBm)
Bluetooth BR	0	-0.6	-89.8
	39	0.9	-90.8
	78	0.1	-89.1