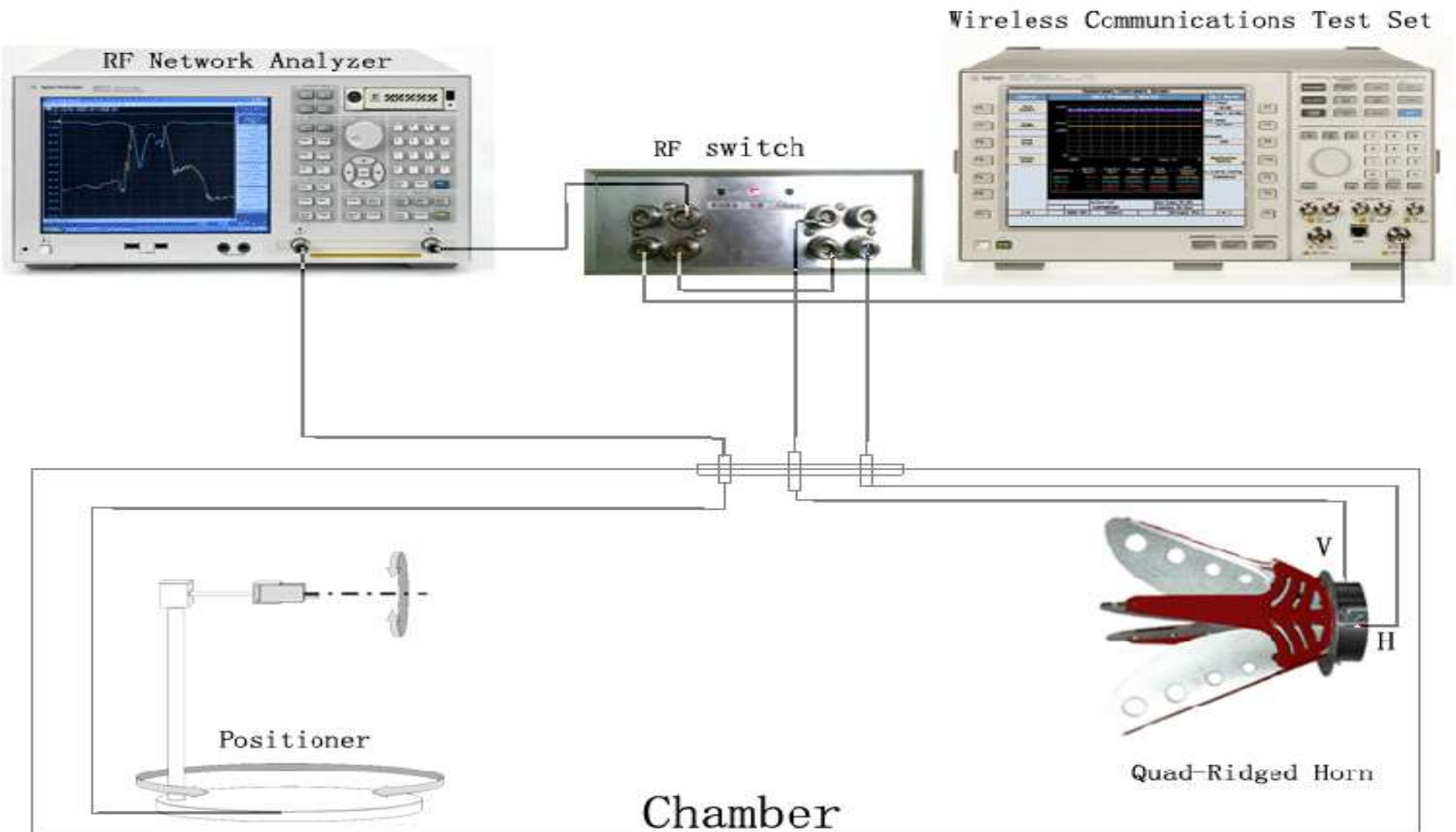


Antenna Test Report

entry name:	SW-R1359
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

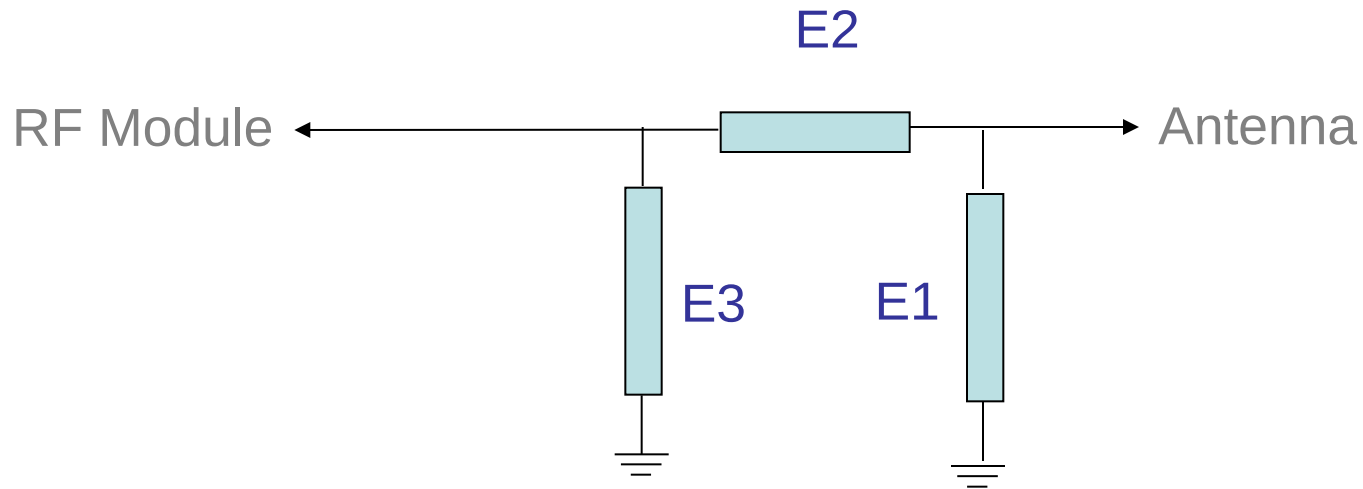
Test System



Directory:

- 1、 Matching circuit.
- 2、 Passive test report.
- 3、 OTA test data

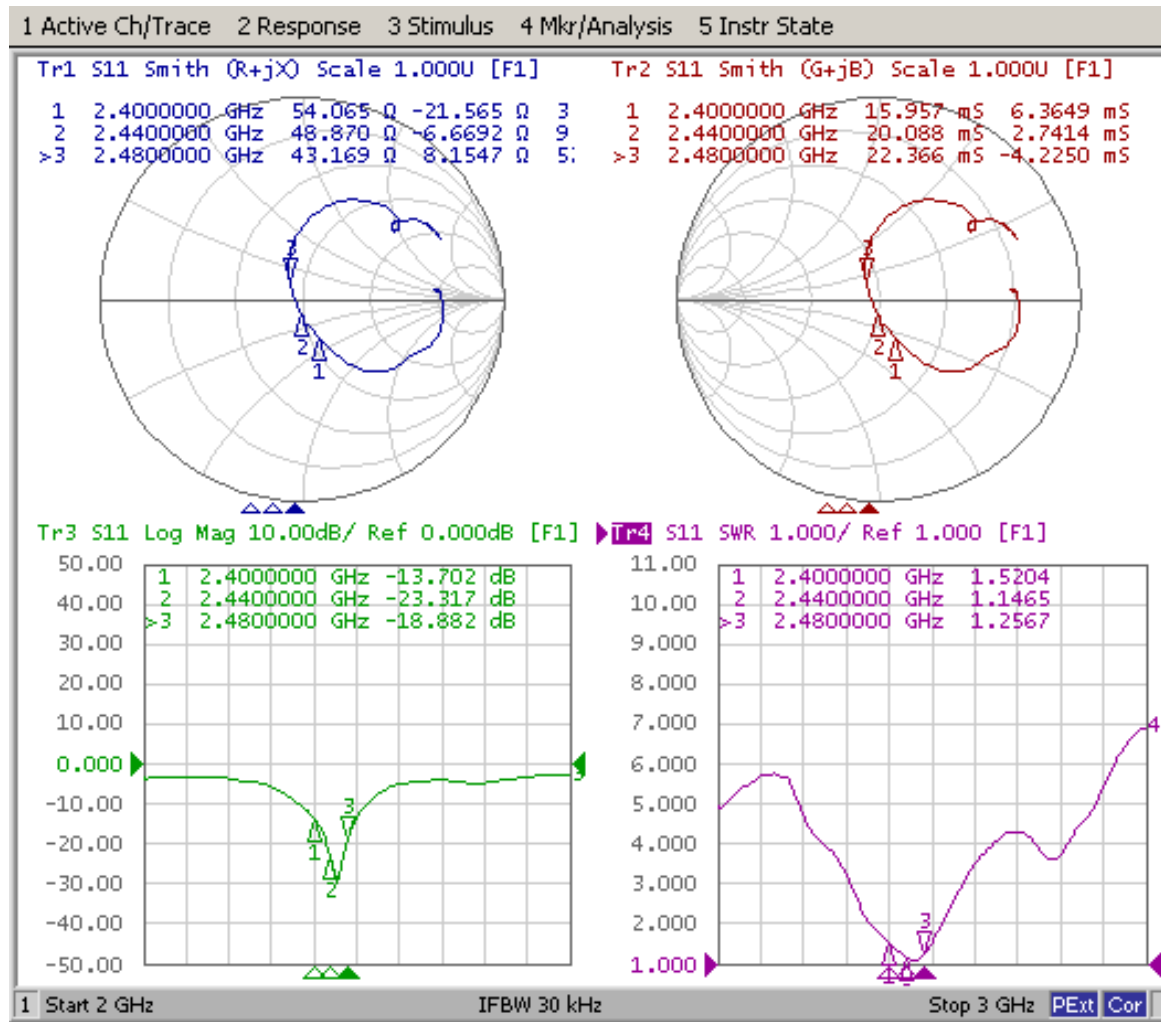
1. Matching circuit



Element	Value
E1	NC
E2	0R
E3	NC

2 Passive pattern of BT antenna

2.1 S11 Parameter

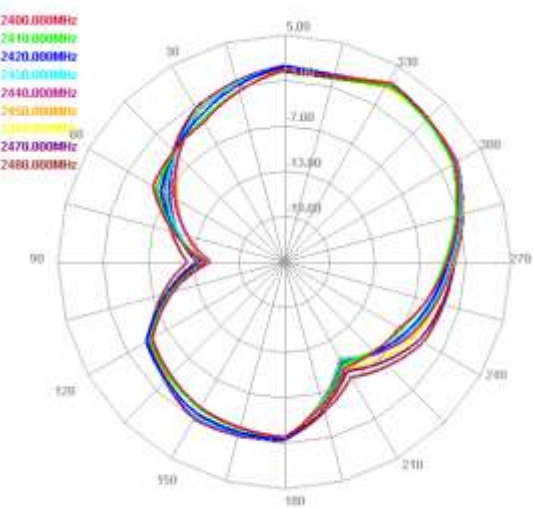


2.2 Gain & Efficiency

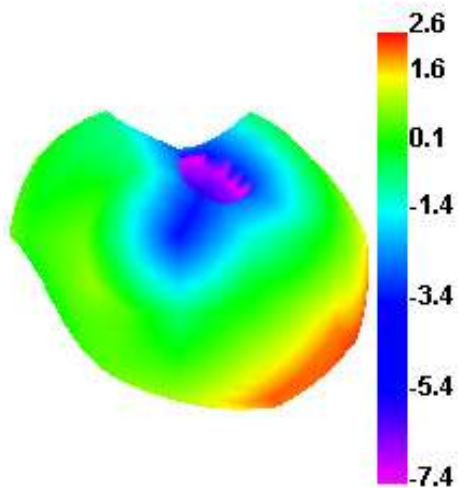
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	51.96	-2.84	2.6
2410	51.05	-2.92	2.3
2420	55.77	-2.54	2.4
2430	57.25	-2.42	2.5
2440	56.92	-2.45	2.6
2450	57.71	-2.39	2.7
2460	55.3	-2.57	2.3
2470	59.61	-2.25	2.7
2480	58.06	-2.36	2.3

2.3 Radiation pattern

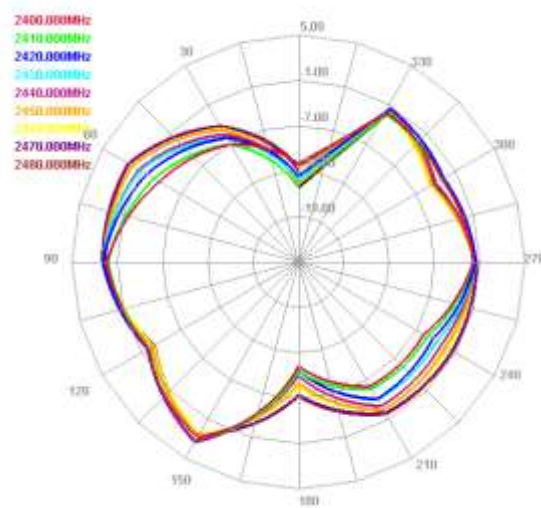
Horizontal



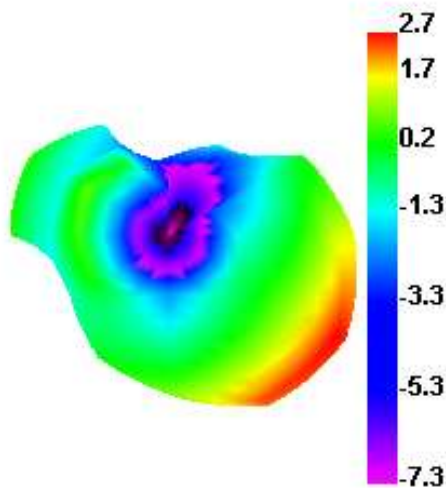
2400.000MHz



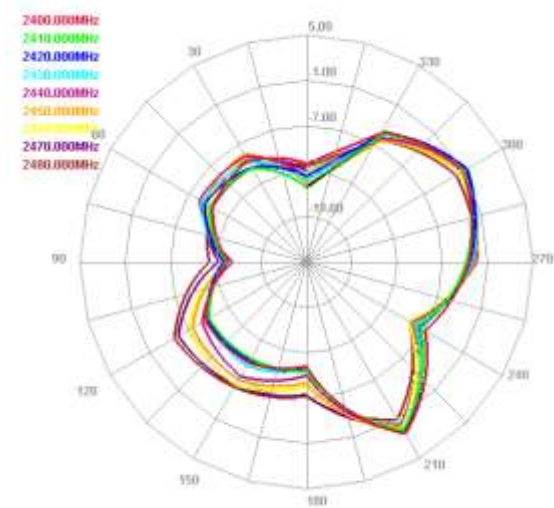
E1 Face



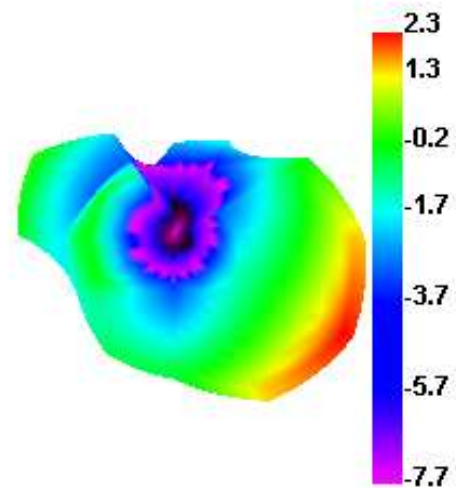
2450.000MHz



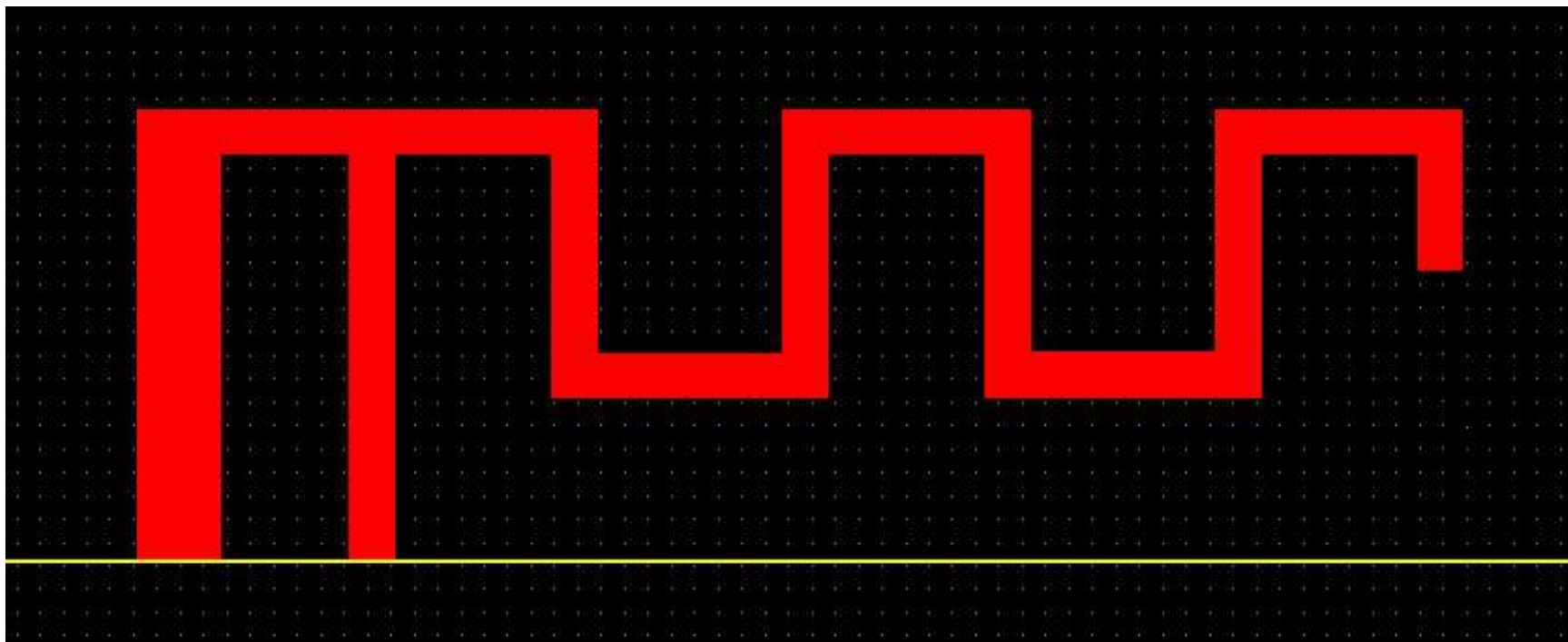
E2 Face



2480.000MHz



3、Antenna size:14.4*5.8mm



3、OTA Test Data

band	channel	TRP (dBm)	TIS (dBm)
Bluetooth BR	0	5.9	-90.1
	39	6.4	-91.7
	78	6.4	-91.8