

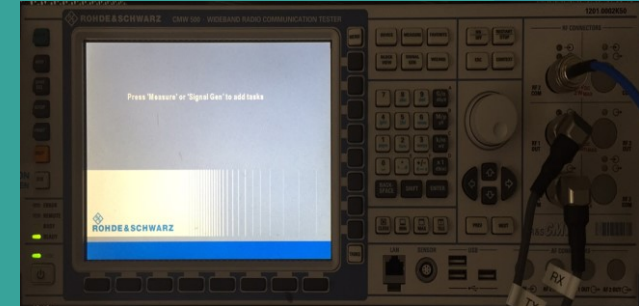
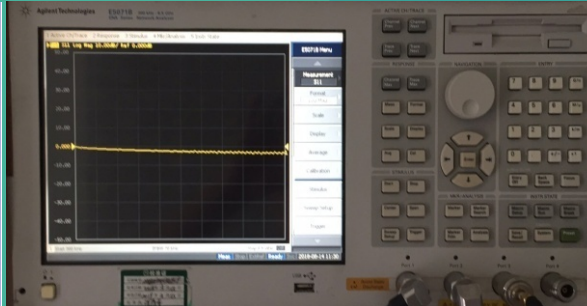
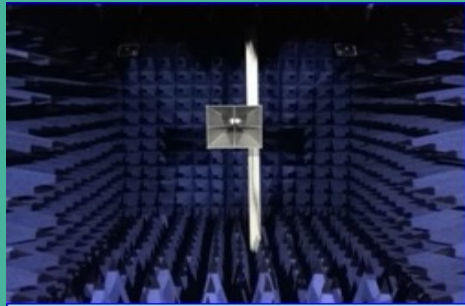
2400-2500MHz Antenna test report

- Customer name: **chuangdong**
- Project name : **Keyboard**
- Frequency : **2400-2500MHz**
- Debugging time : **2023-12-15**

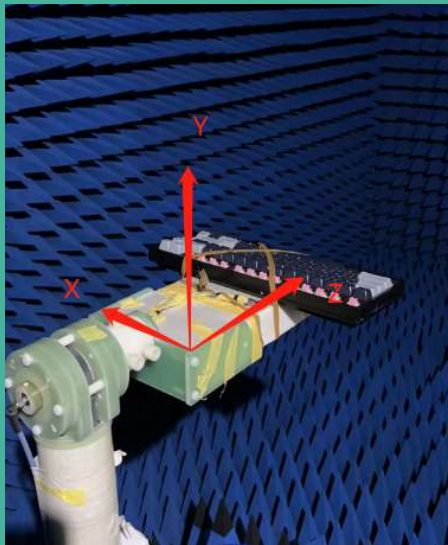


1、Test environment

/	Test items	Equipment		
S11	1. Return loss 2.VSWR	Equipment	Model No	Manufacturers
		Analyzers	E5071B	Agilent
		Coaxial Cable	RG316	YiRui
Testing	1. 2D、3DRaditation Pattern 2. Antenna gain 3. Antenna efficiency	OTA	ETS 5*3*3(3D)	Guang Ping
		Analyzers	E5071B	Agilent
		PC Console	Win 7	ASUS
		OTA	ETS;Far Field probe	Guang Ping
		3D turntable	φ1*1*1.5(3D)	Guang Ping



2、 Picture of the whole machine

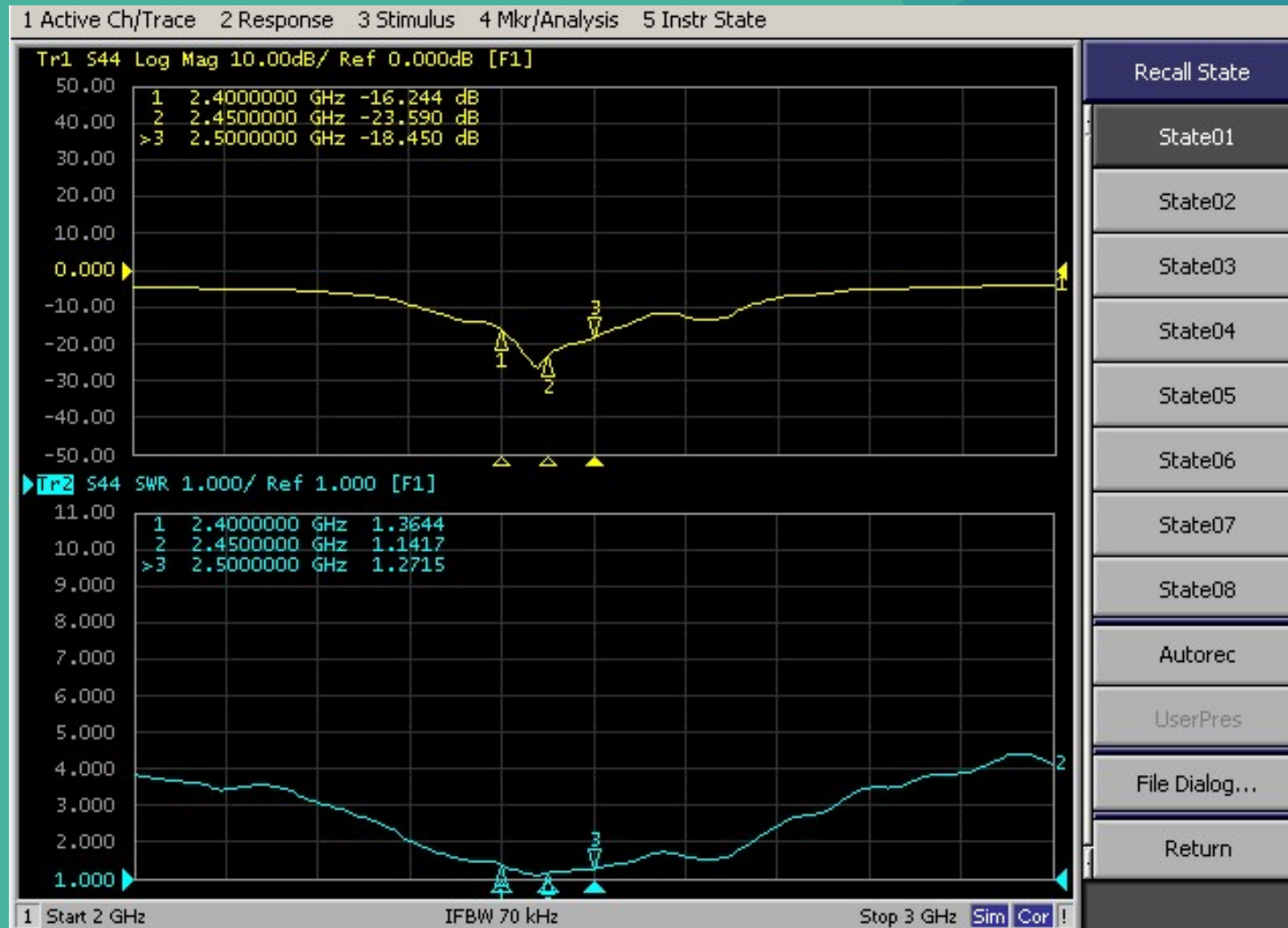


3、 Picture of antenna installation



4、 Antenna test report

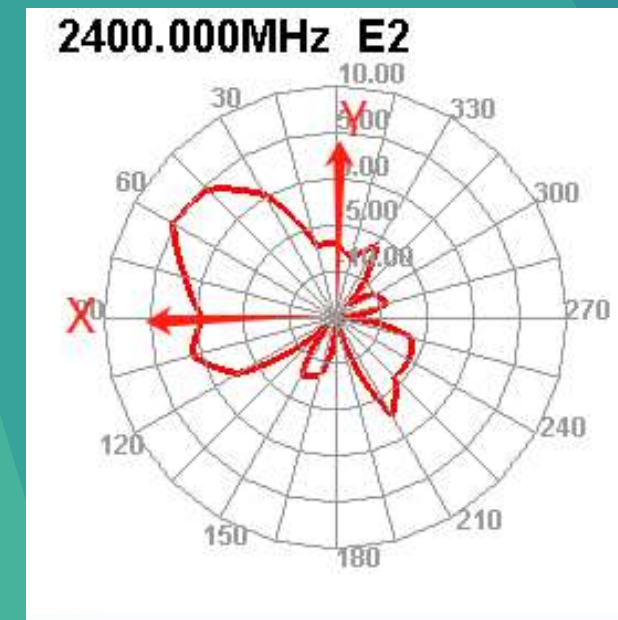
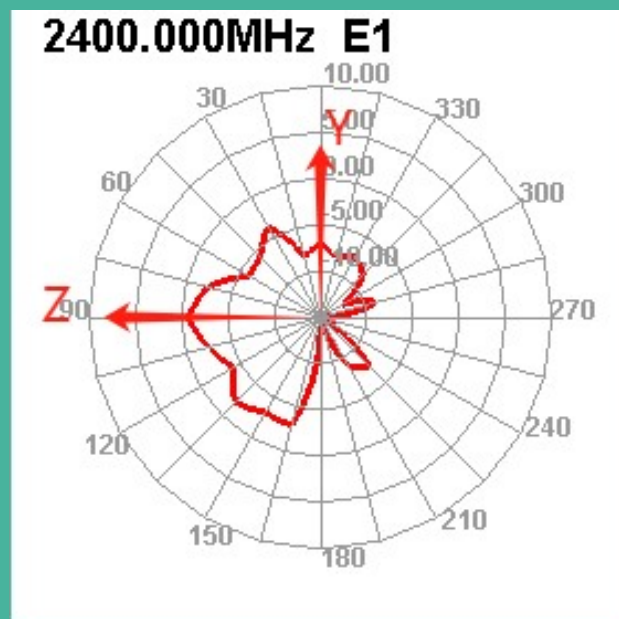
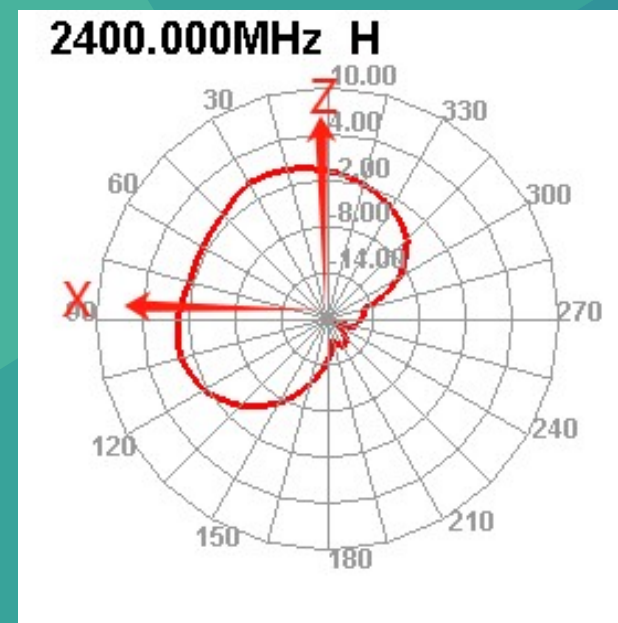
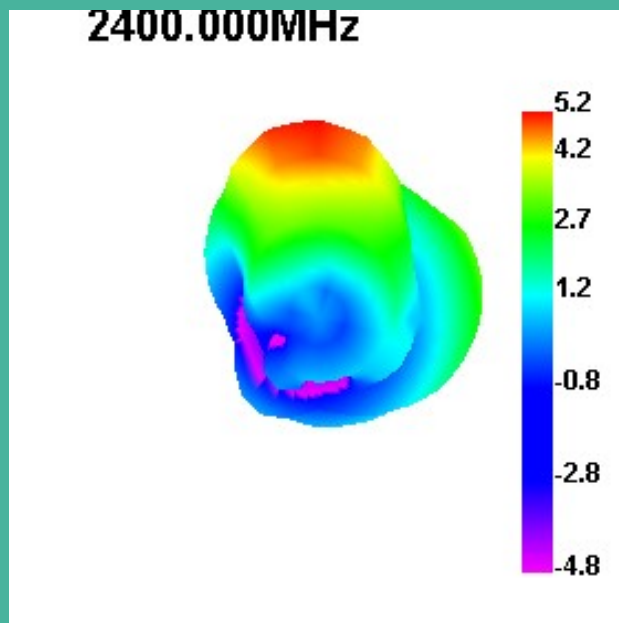
4.1 ; S11



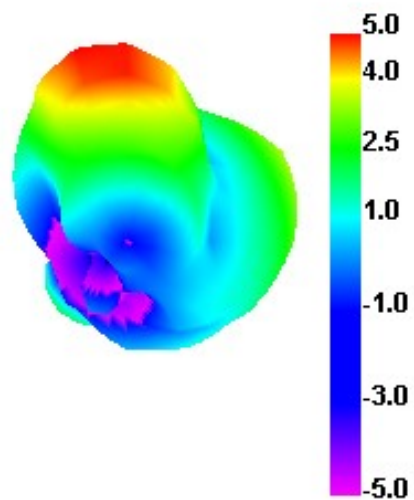
4.2; Antenna Gain efficiency

Passive Test For WIFI2.4			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	42.35	-3.73	0.59
2410	42.35	-3.73	0.6
2420	43.92	-3.57	0.65
2430	43.72	-3.59	0.7
2440	45.07	-3.46	0.8
2450	47.45	-3.24	0.76
2460	49.71	-3.04	0.61
2470	51.17	-2.91	0.56
2480	53.2	-2.74	0.55
2490	50.68	-2.95	0.51
2500	51.5	-2.88	0.49

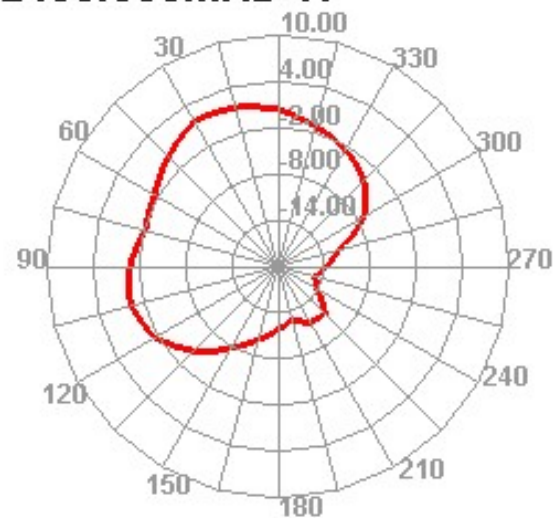
4.3; 2D、3DRaditation Pattern



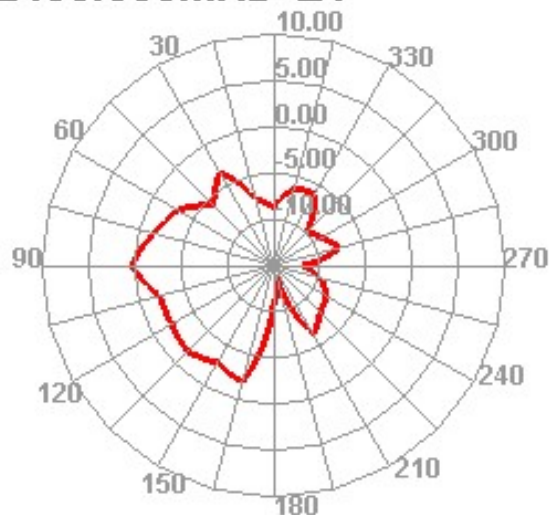
2450.000MHz



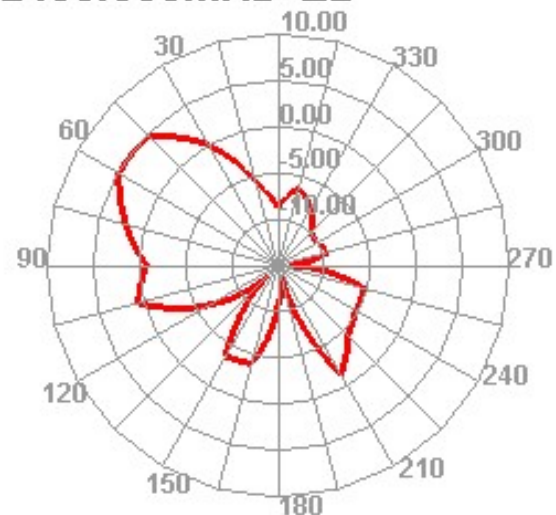
2450.000MHz H



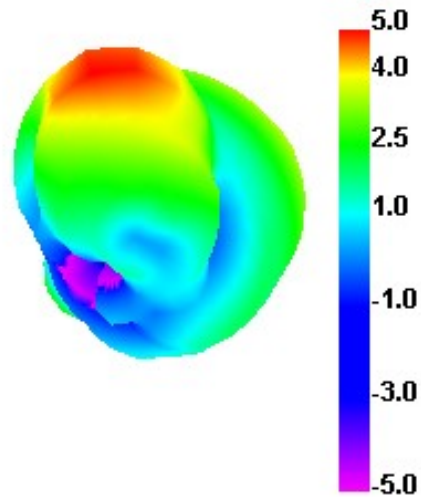
2450.000MHz E1



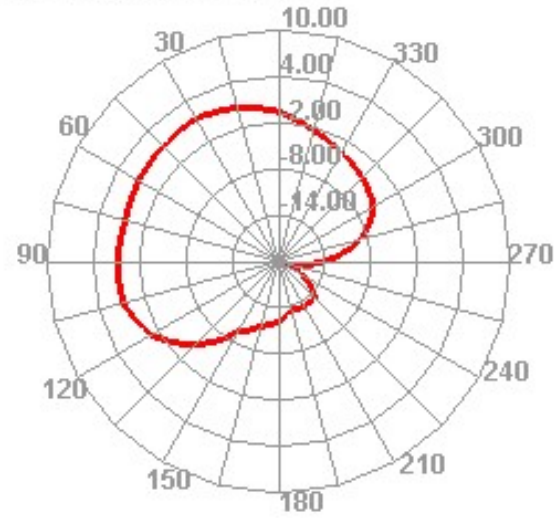
2450.000MHz E2



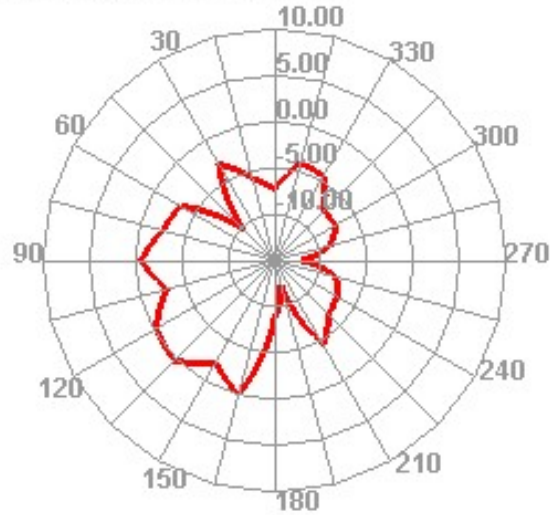
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

