

Shenzhen Top Frequency IOT Technology Co., Ltd

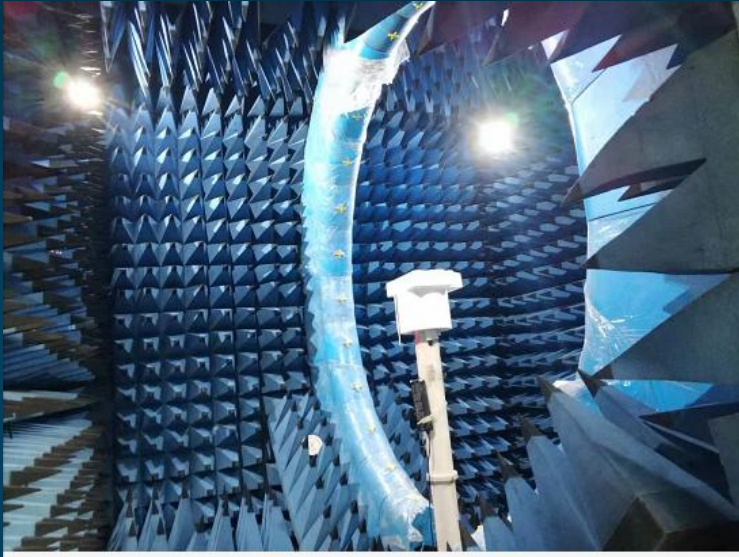
Test report



2022/6/10

Test equipment

SG24



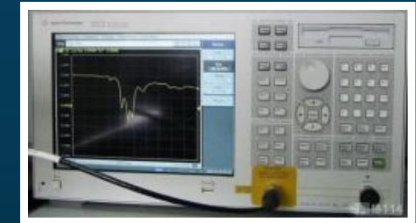
GTS



Agilent 8960

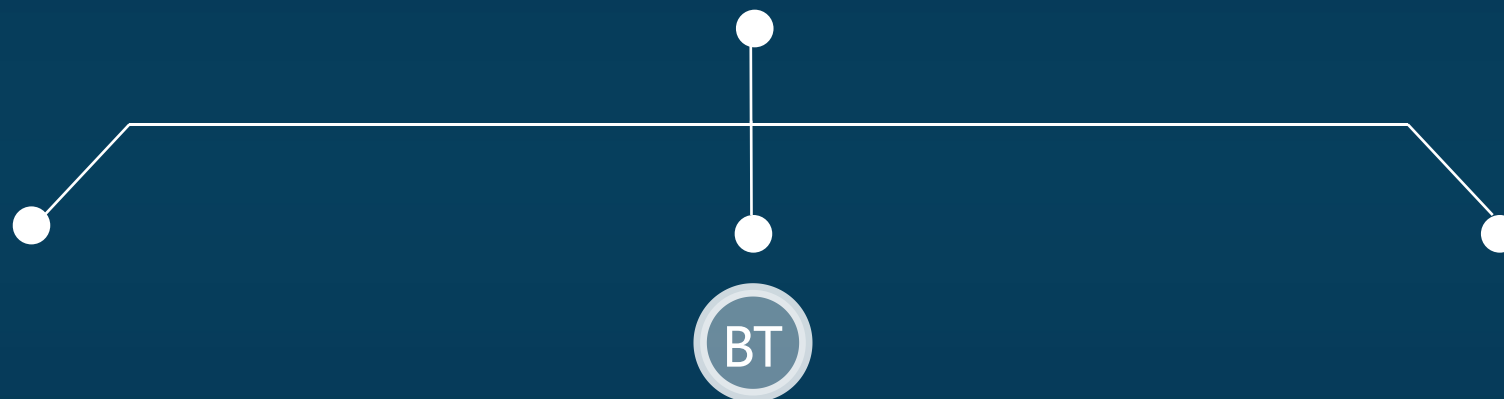


CMW 500



Agilent E5071B

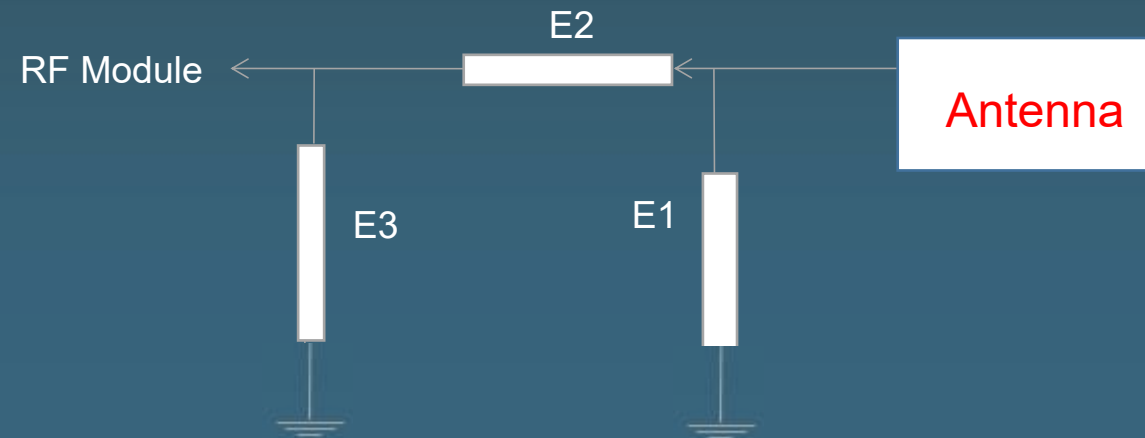
Test system	Test environment	Active test	Passive testing
SG24	temperature: $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$	support 2G/3G/4G	600MHZ——6G
GTS	humidness: $50\% \pm 15\%$	support BT/WIFI/GPS	



Machine type: Watch

Antenna mode: wire





匹配

Element

Value

E1(0201)

2NH

E2(0201)

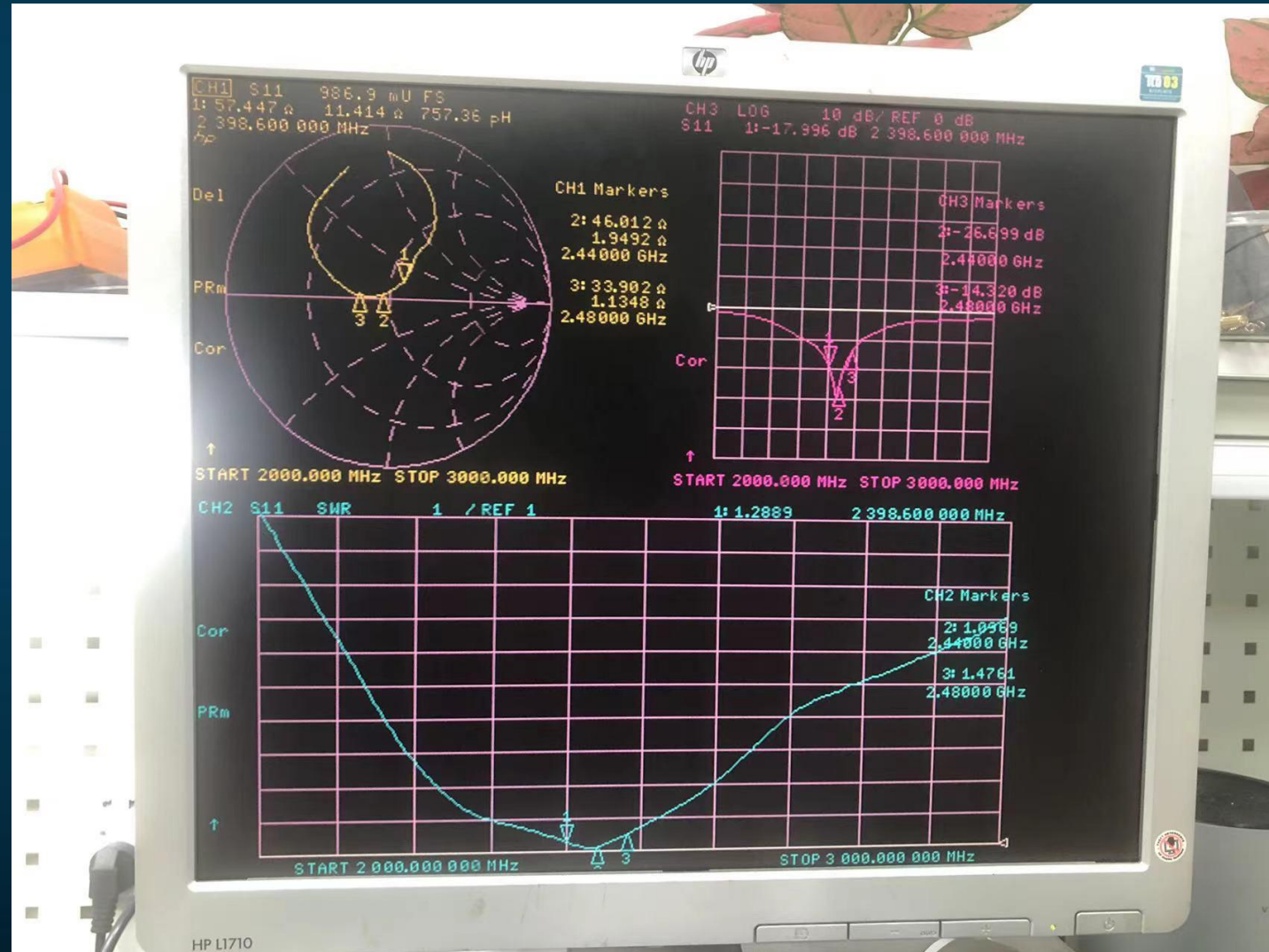
0R

E3(0201)

NC



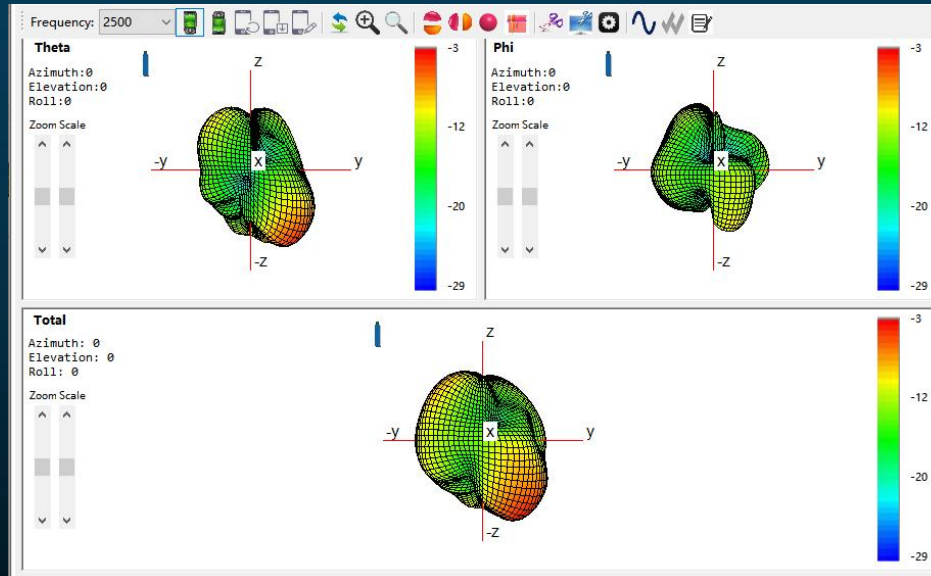
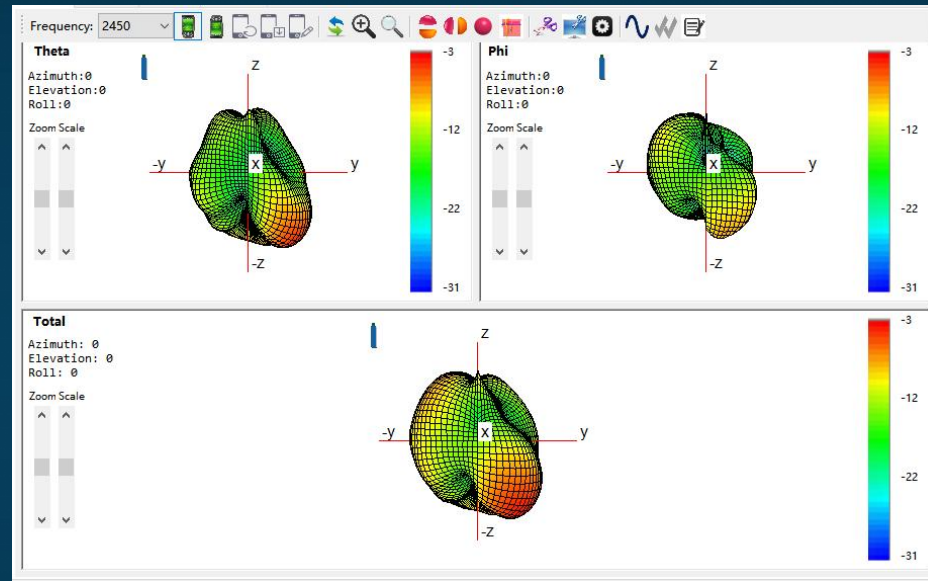
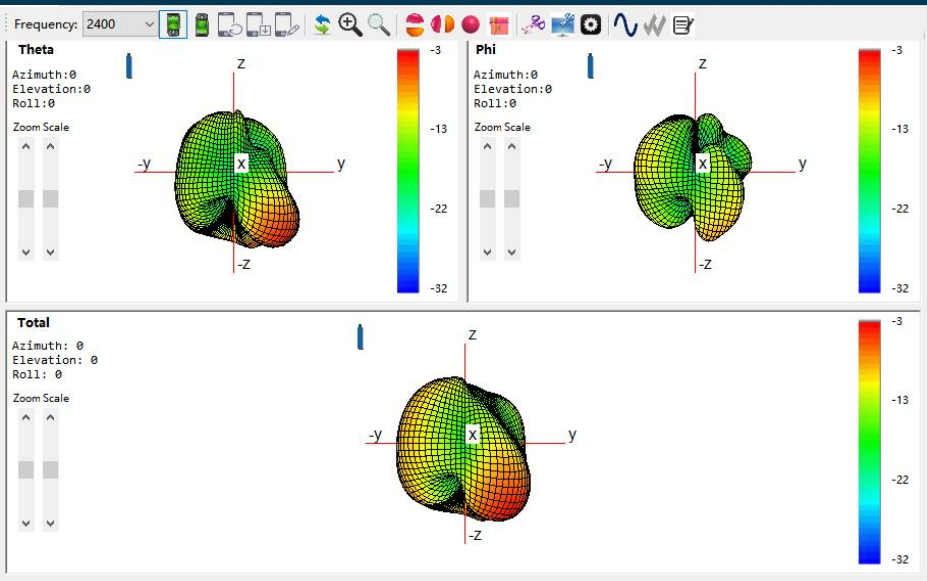
S11



GAIN & Efficiency

Frequency (MHz)	Gain(dB)	Efficiency (%)
2400	-3.84	10.14
2410	-4.07	9.94
2420	-3.46	9.8
2430	-4	10.06
2440	-3.61	10.74
2450	-3.92	10.26
2460	-4.64	10.14
2470	-3.98	10.62
2480	-2.88	10.24
2490	-3.84	10.08
2500	-3.7	10.03

3D Radiation Pattern



Antenna position and placement

Antenna form		①	
	Length 19mm		
	Wire diameter 0.6mm		

Antenna position

