

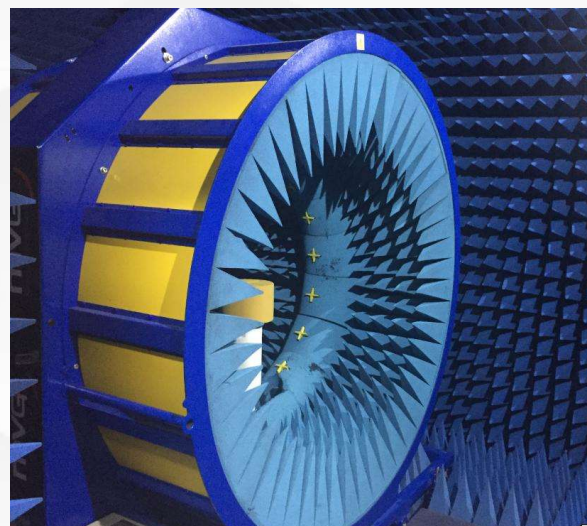
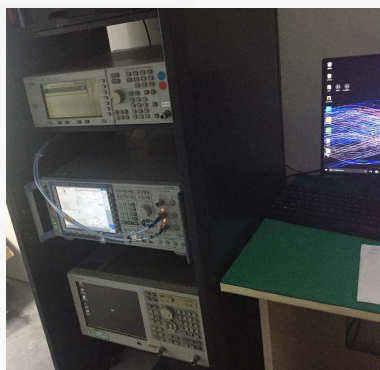


Shenzhen cape deep communication technology co., LTD

test report



Laboratory test environment and equipment



Test item	Test equipment
S11、S12、VSWR、LOSS	Network analyzer 5071B、E5062A
Efficiency、Gain 3D Radiation Pattern	Satimo SG16 darkroom、 GP7*4*3 darkroom、E5071B
TRP、TIS	Satimo SG16 darkroom、 GP7*4*3 darkroom、8960、 CMW500、MT8820C、E4438C、

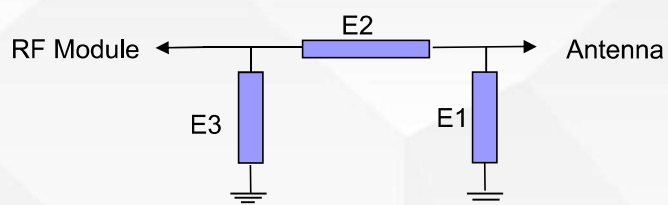


Brief description of the project

Machine type	watch		
		Frequency band information	
Antenna type and frequency band information	antenna BLE/BT	2400-2480MHZ	
Antenna material	lead		



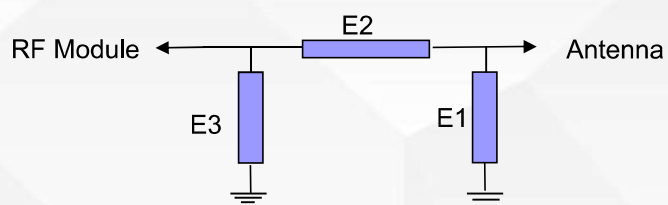
BT cable distribution circuit



手表	Element	Value	
	E1(0201)		
	E2(0201)	1PF	
	E3(0201)	2PF	



BLE antenna matching distribution circuit

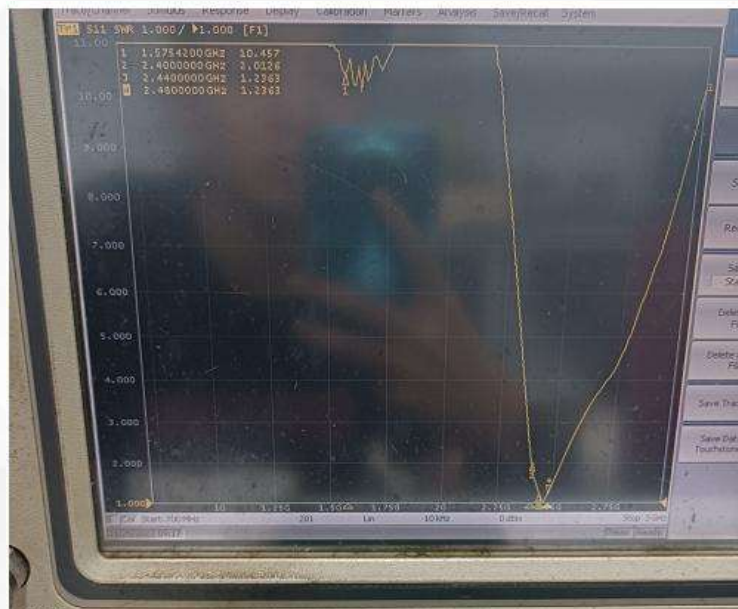


watch	Element	Value	
	E1(0201)	0.8NH	
	E2(0201)	1.5PF	
	E3(0201)		



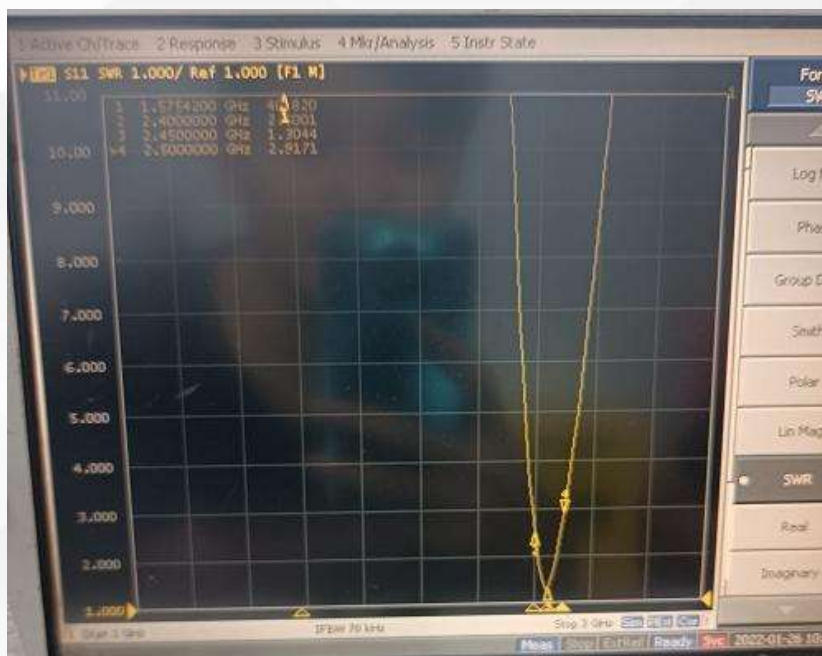
Antenna passive standing wave diagram

BLE



Antenna passive standing wave diagram

BT





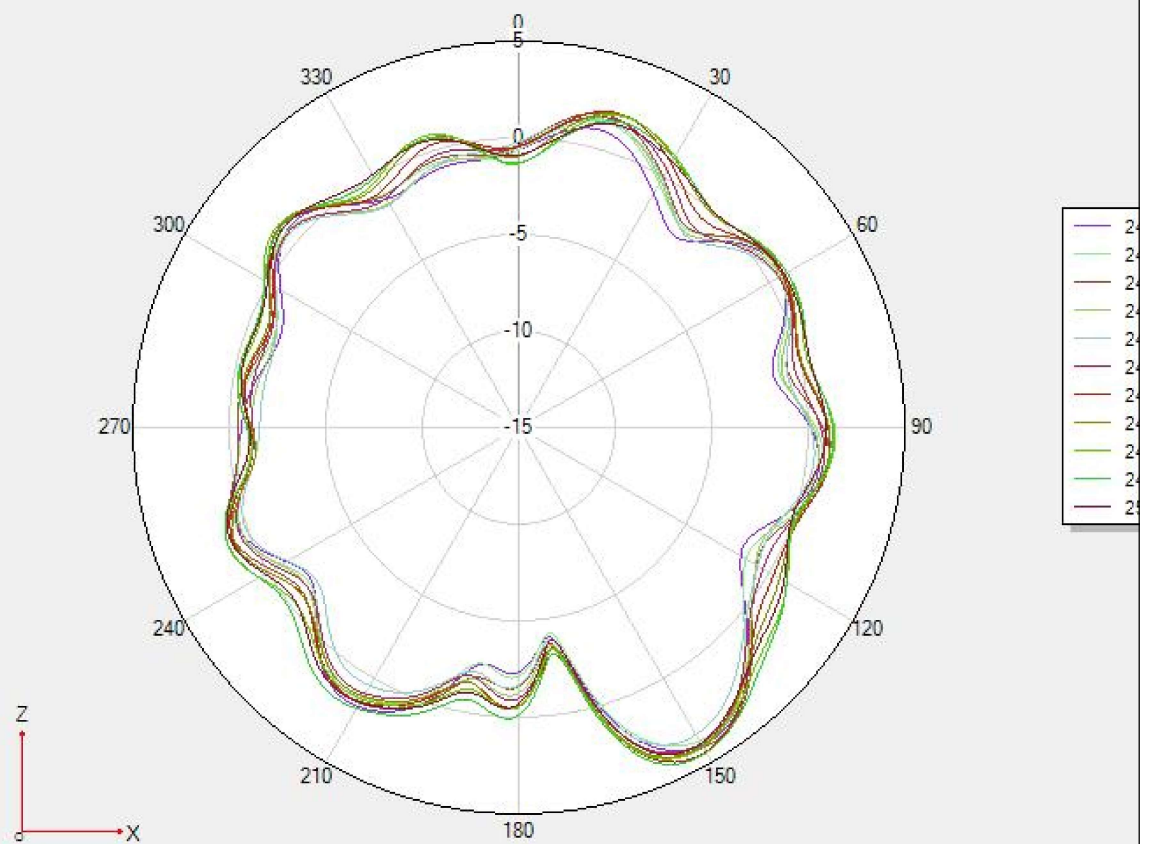
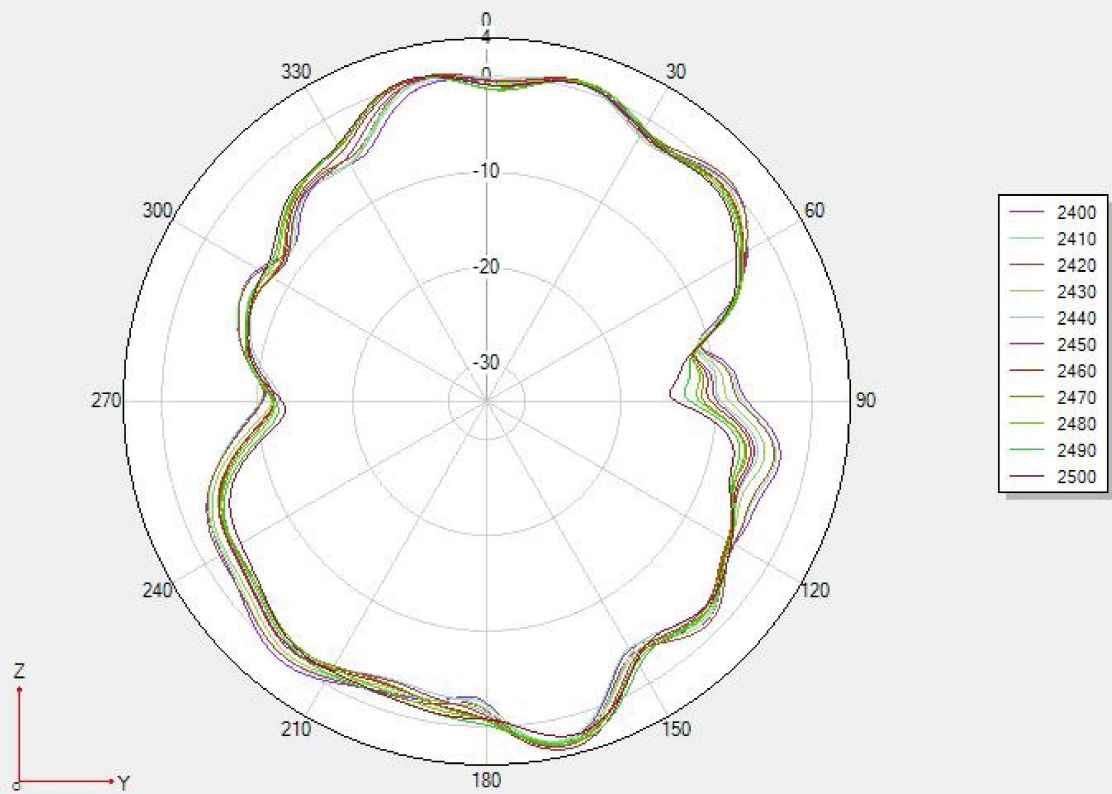
Passive efficiency data graph

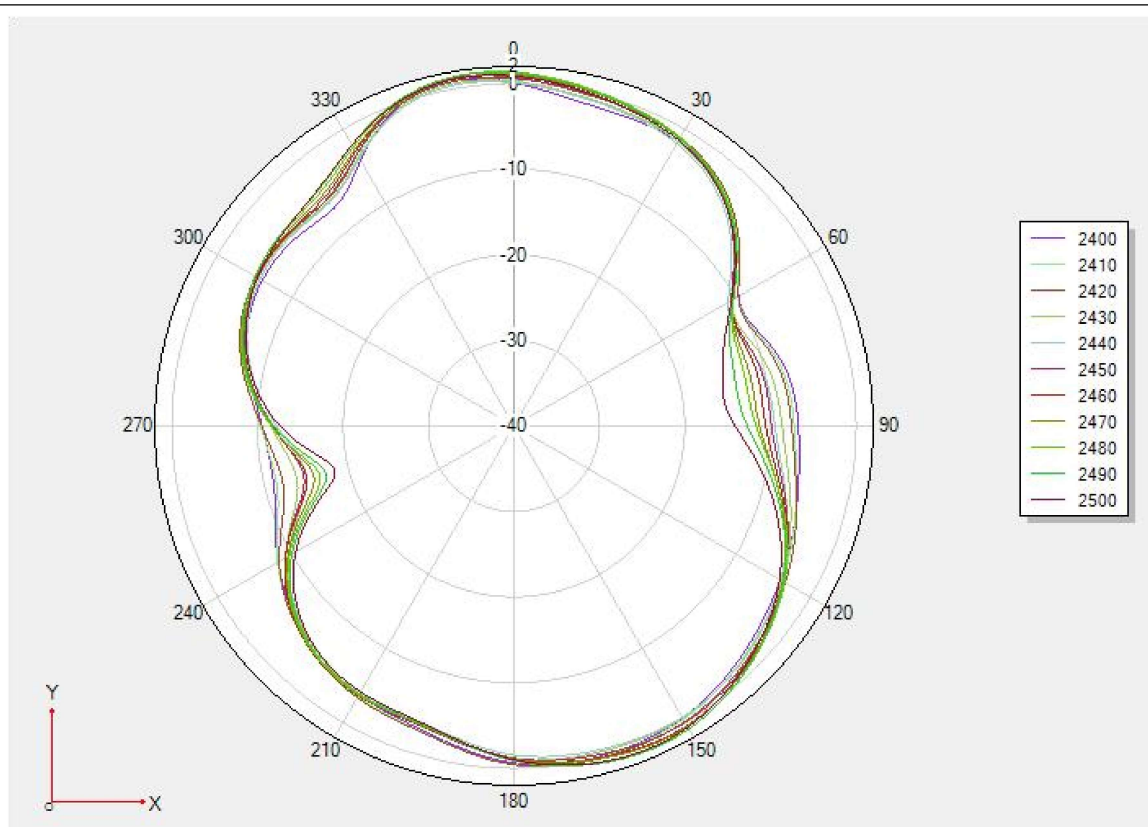
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	4.88	-13.11	-9.8
2410	7.48	-11.26	-8
2420	11.03	-9.58	-6.34
2430	15.41	-8.12	-5
2440	19.76	-7.04	-3.93
2450	23.84	-6.23	-3.26
2460	25.85	-5.87	-2.99
2470	27.48	-5.61	-2.87
2480	29.99	-5.23	-2.57
2490	33.41	-4.76	-1.91
2500	34.21	-4.66	-1.76



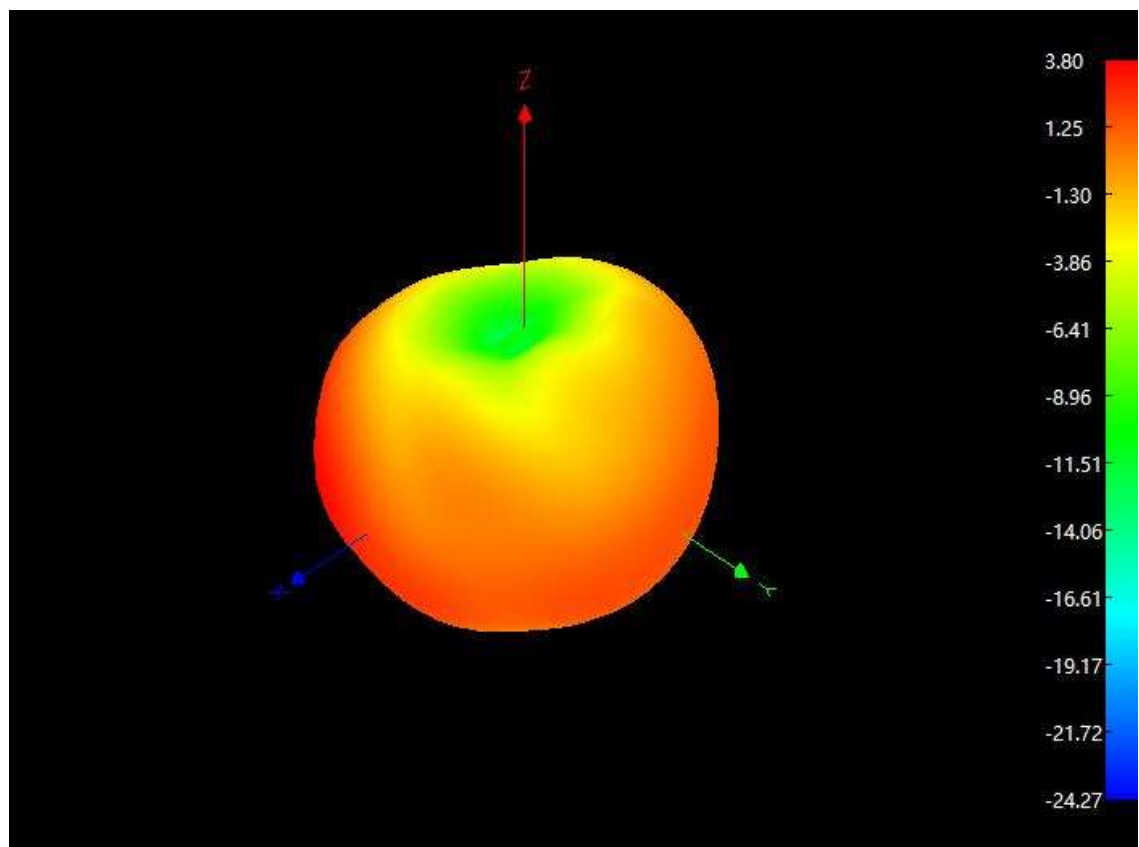
Antenna placement







(3D
Pattern)





THE END