



深圳市德仕勤科技有限公司

Shenzhen Deshiqin technology Co., LTD

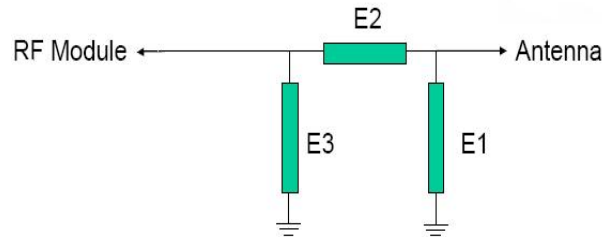
Antenna Test Report



天线增益Antenna Gain	-1.31dbi
项目名称Project name	Bluetooth watch
调试频段 Commissioning band	BT
版本号Version number	V1.0
射频 engineer ing	Chen Gong 13126483572
Report time	2023-09-15

1.The Equipment of Active Test

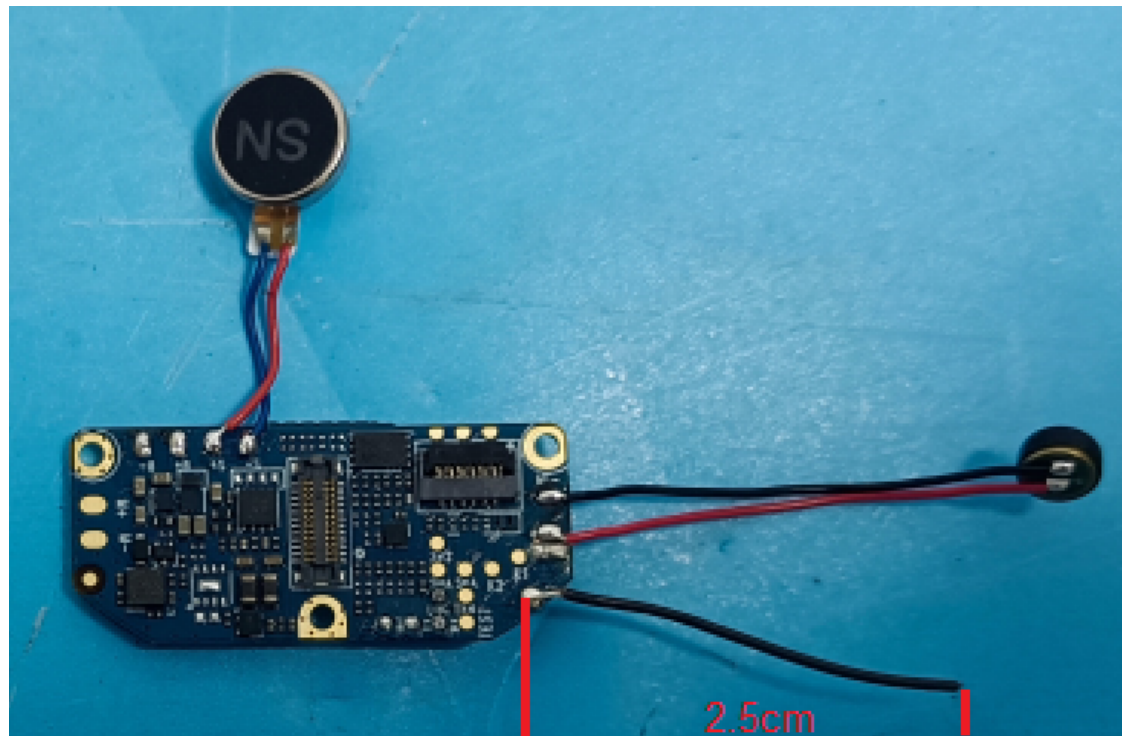
1. ETS Chamber 7×4×3(m)(3D Dysphonia)
2. Vector Network Analyzer (passive tester)
3. Network analyzer-8960/LTE CMW500/8820 支持 2G、3G、4G 网络.
4. Matching Circuit 主天线 (匹配无更改)



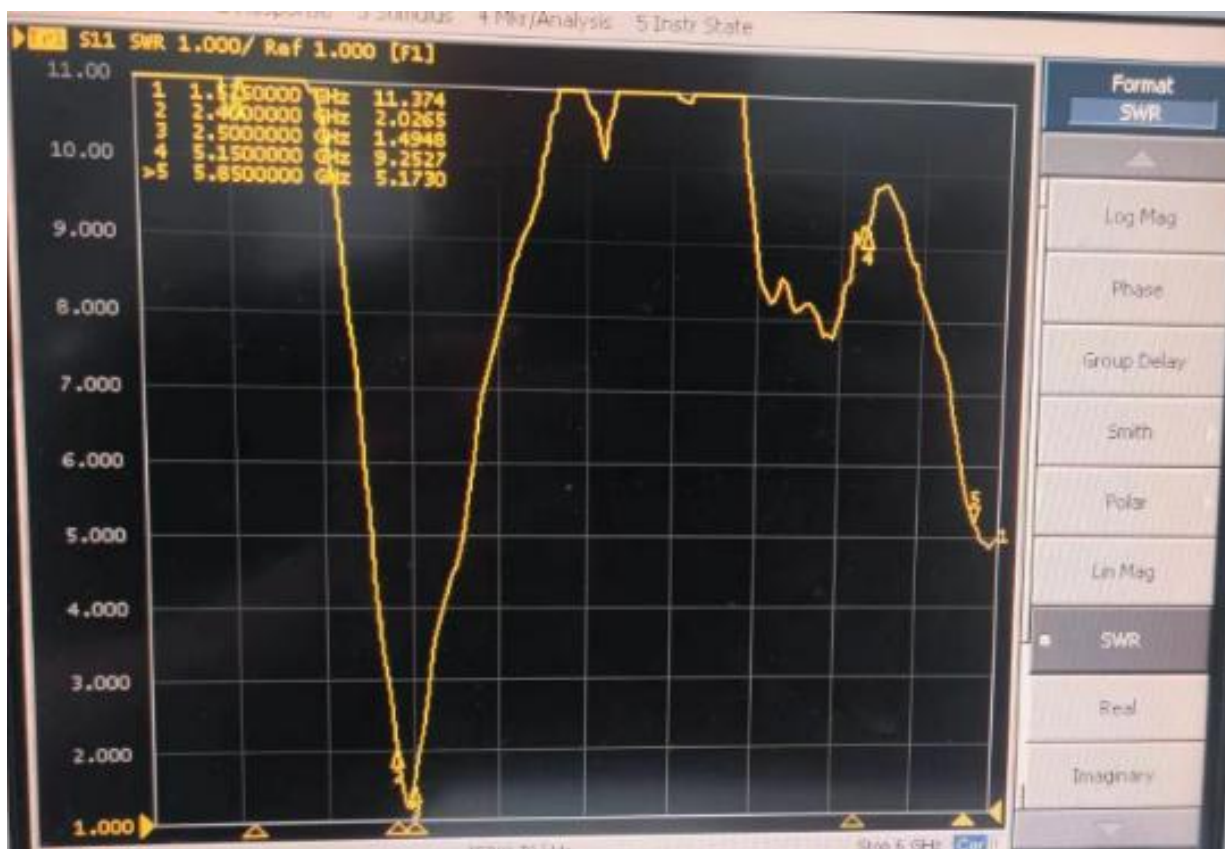
Element	Matched value
E1(0201)	
E2(0201)	
E3(0201)	

注：

Antenna size chart



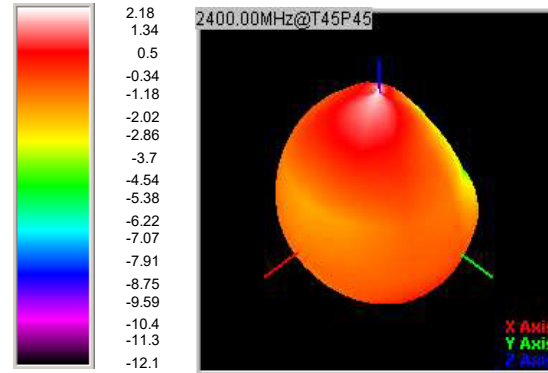
Passive standing wave ratio diagram:



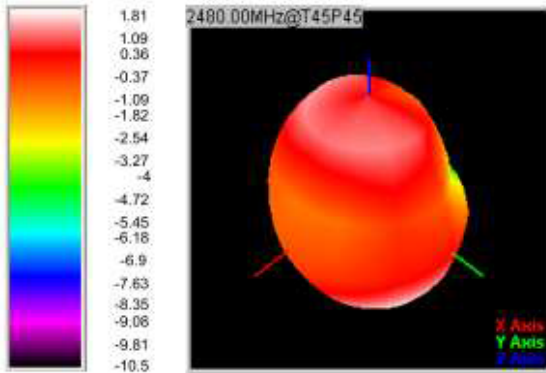
Passive efficiency/gain

Passive Test For 2400-2480		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	21.58	-1.75
2440	23.28	-1.31
2480	22.16	-1.59

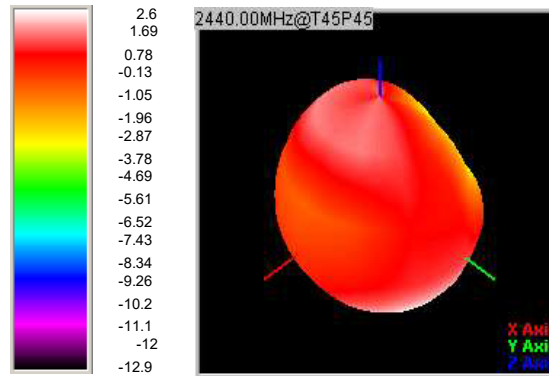
◎ 3D Gain Pattern (2400 MHz)



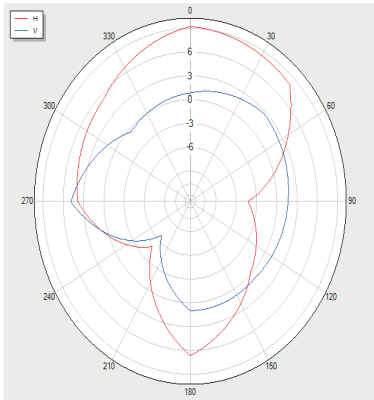
◎ 3D Gain Pattern (2480 MHz)



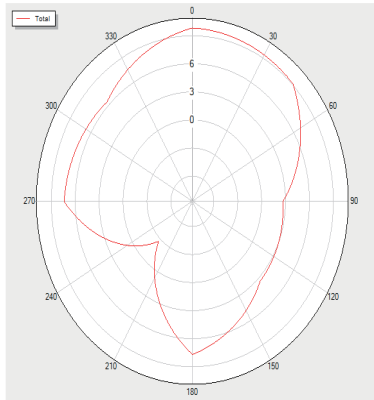
◎ 3D Gain Pattern (2440 MHz)



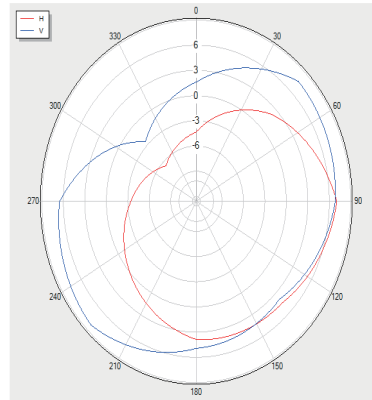
BLUETOOTH_Trp_H0 Polar



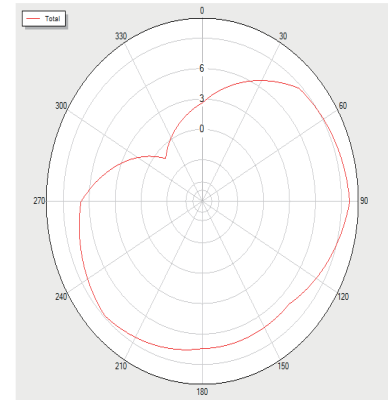
BLUETOOTH_Trp_H0 Total



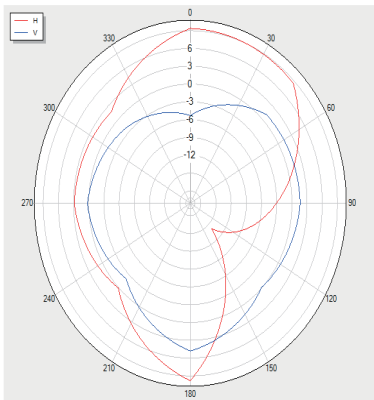
BLUETOOTH_Trp_V0 Polar



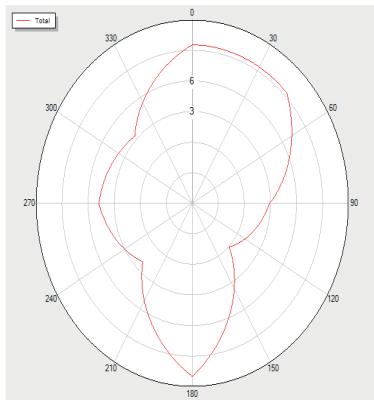
BLUETOOTH_Trp_V0 Total



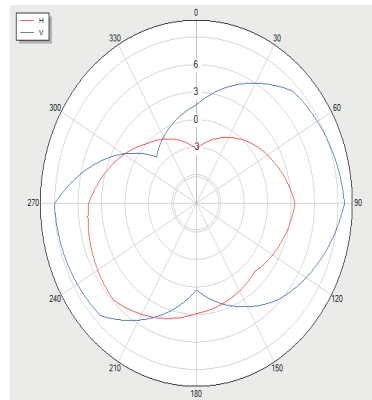
BLUETOOTH_Trp_H39 Polar



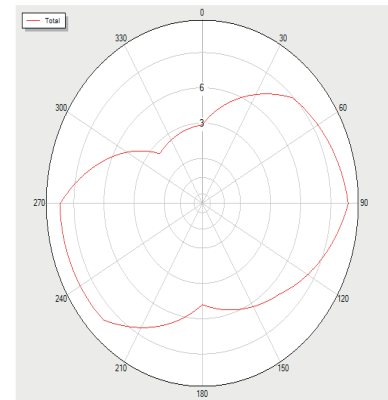
BLUETOOTH_Trp_H39 Total



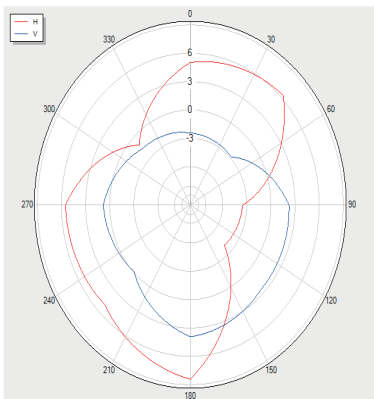
BLUETOOTH_Trp_V39 Polar



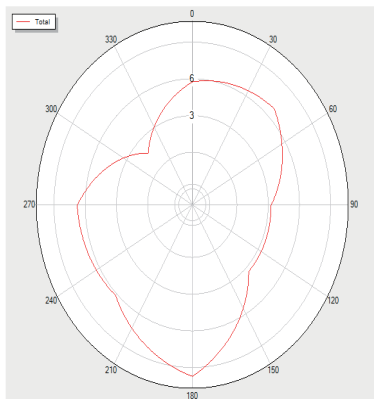
BLUETOOTH_Trp_V39 Total



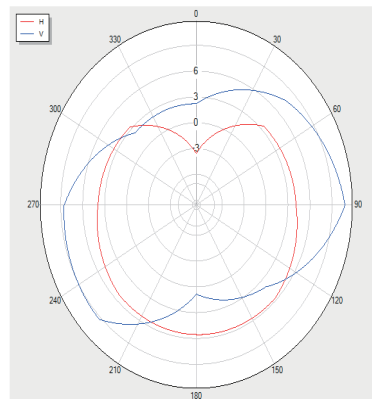
BLUETOOTH_Trp_H78 Polar



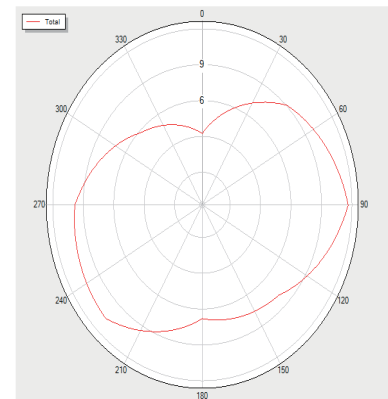
BLUETOOTH_Trp_H78 Total



BLUETOOTH_Trp_V78 Polar



BLUETOOTH_Trp_V78 Total





实测距离：（带手上隔人身 360 度转身实测）

