



Shenzhen Deloitte Technology Co., LTD

Antenna Test Report

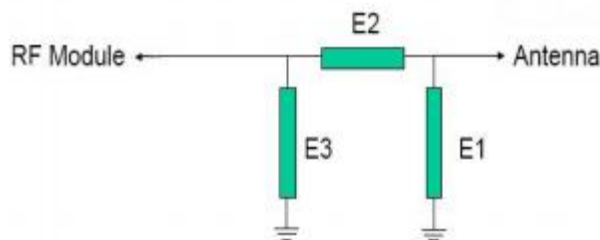


antenna gain	-1.31d bi
project name	Bluetooth watch
Commissioning frequency band	B T
version number	V 1.0
RF engineering	Chen Gong 13126483572
Report time	2023-09-15

1.The Equipment of Active Test

1. ETS Chamber 7 43 (m) (3D standing room)
2. Vector network analyzer (passive tester)
3. Network analyzer-8960 / LTE CMW 500 / 8820 supports 2G, 3G and 4G networks.(Active Tester)

2.Matching Circuit main antenna (no change to match)



Element	Matching value
E 1(0201)	
E 2(0201)	
E 3(0201)	

pour:

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Passive resident bgraph:

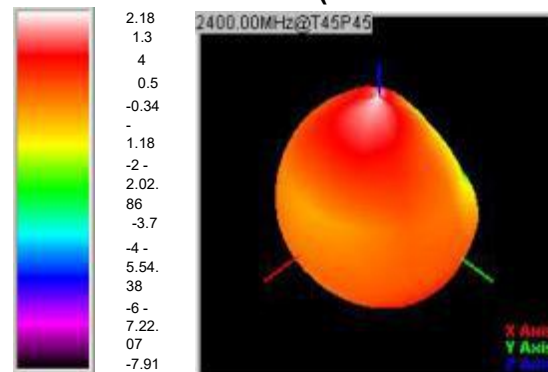


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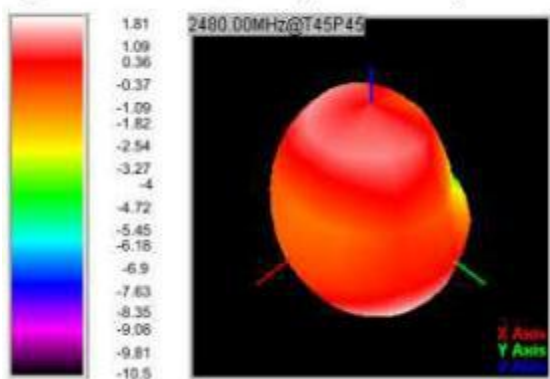
Passive efficiency / gain

Passive Test For 2400-2480		
Fre q (MHz)	Ef fi (%)	Ga in (dBi)
2400	21.58	-1.75
2440	23.28	-1.31
2480	22.16	-1.59

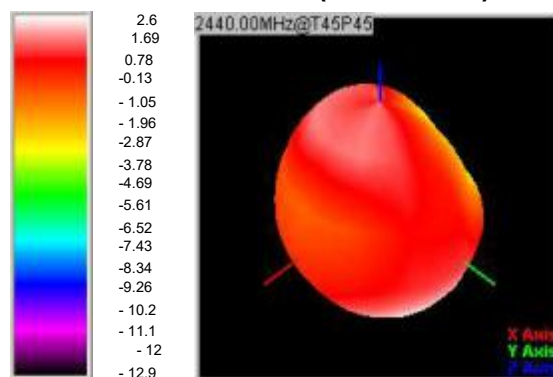
© 3D Gain Pattern (2400 MHz)



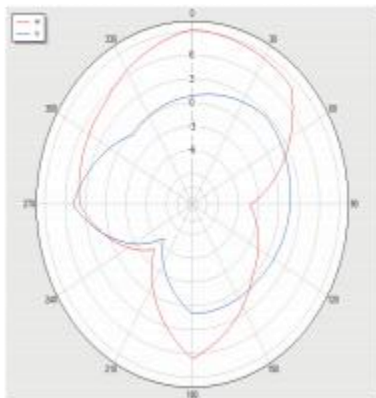
© 3D Gain Pattern (2480 MHz)



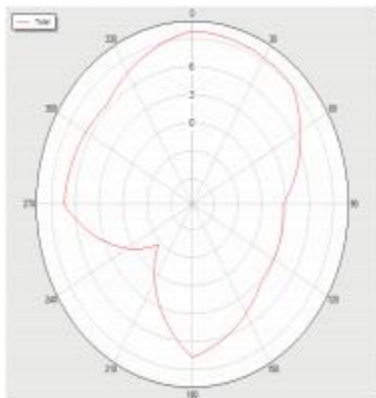
© 3D Gain Pattern (2440 MHz)



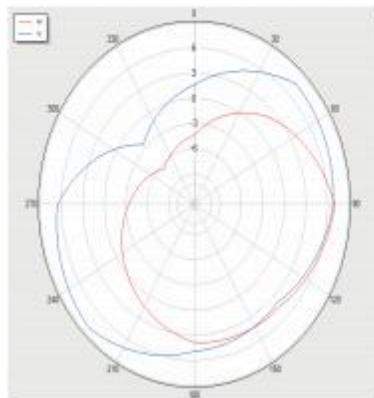
BLUETOOTH_Trp_H0 Polar



BLUETOOTH_Trp_H0 Total



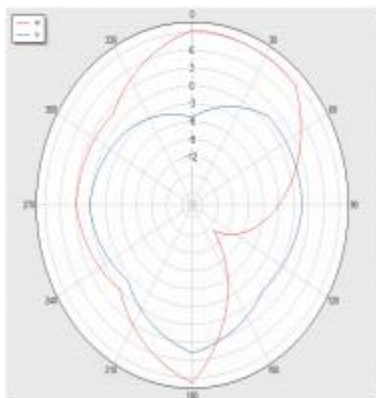
BLUETOOTH_Trp_V0 Polar



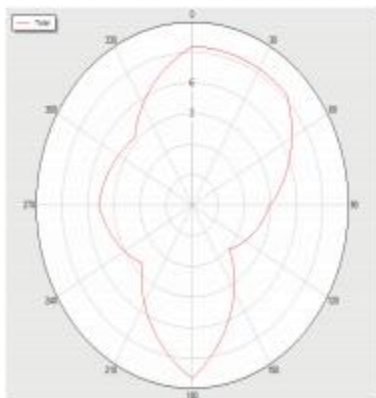
BLUETOOTH_Trp_V0 Total



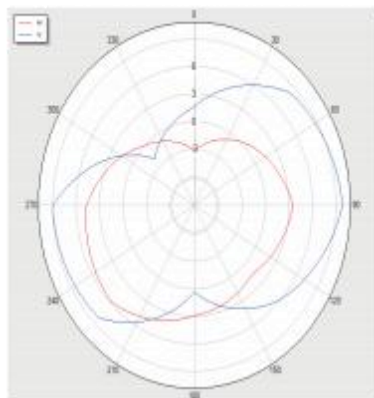
BLUETOOTH_Trp_H39 Polar



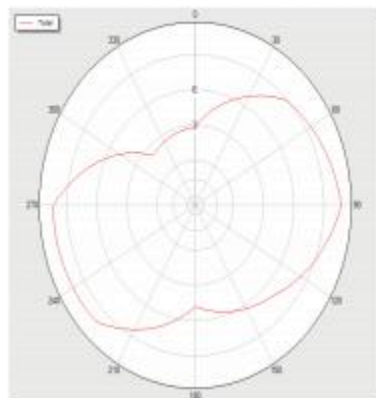
BLUETOOTH_Trp_H39 Total



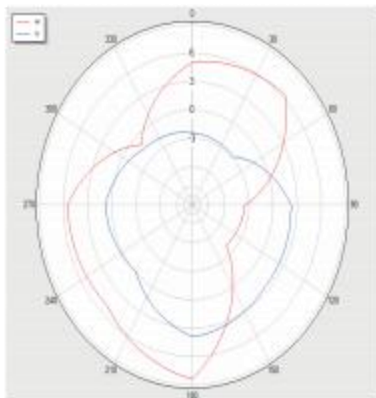
BLUETOOTH_Trp_V39 Polar



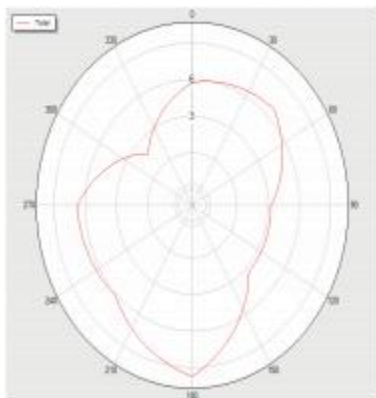
BLUETOOTH_Trp_V39 Total



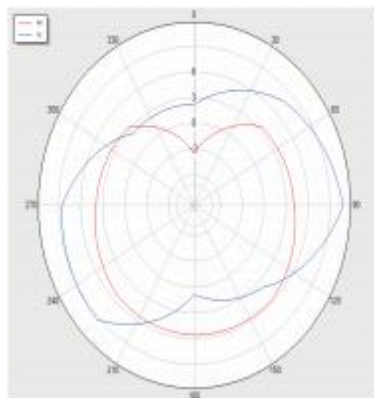
BLUETOOTH_Trp_H78 Polar



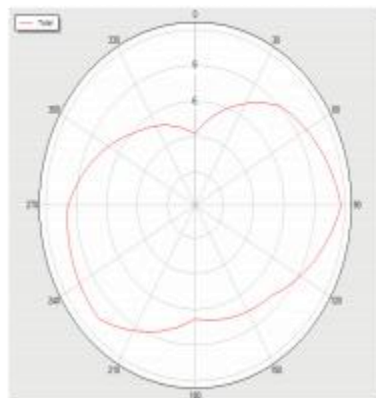
BLUETOOTH_Trp_H78 Total



BLUETOOTH_Trp_V78 Polar



BLUETOOTH_Trp_V78 Total





Measured distance: (with 360 degrees)

