



深圳市凯普深通讯科技有限公司

Shenzhen cape deep communication technology co., LTD

OSW-801 antenna report

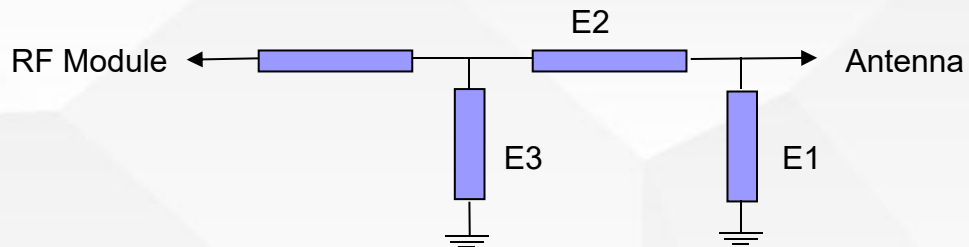


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Project profile

Machine type	Smart Watch		
Antenna type and frequency band	frequency band	Antenna type	
	2402MHz-2480MHz	Wire antenna	
Antenna material	FPC		

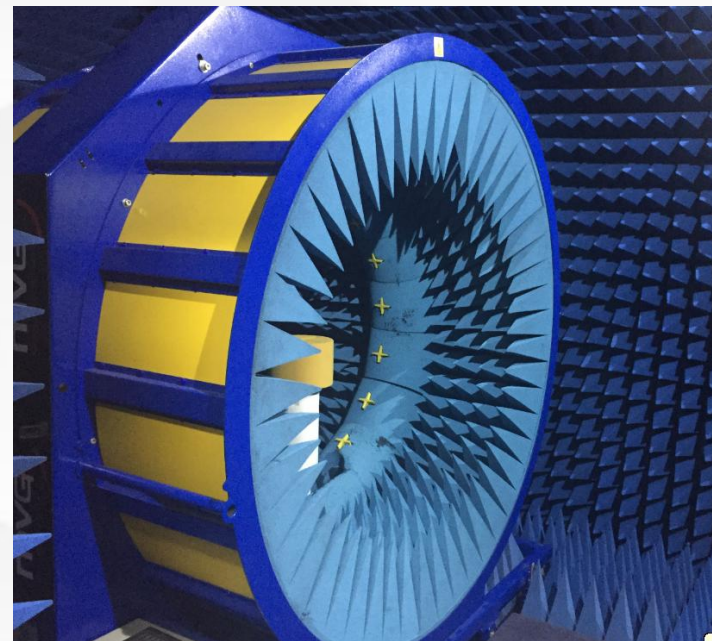
匹配电路



	E1	NC
	E2	0.75PF
	E3	0.75PF

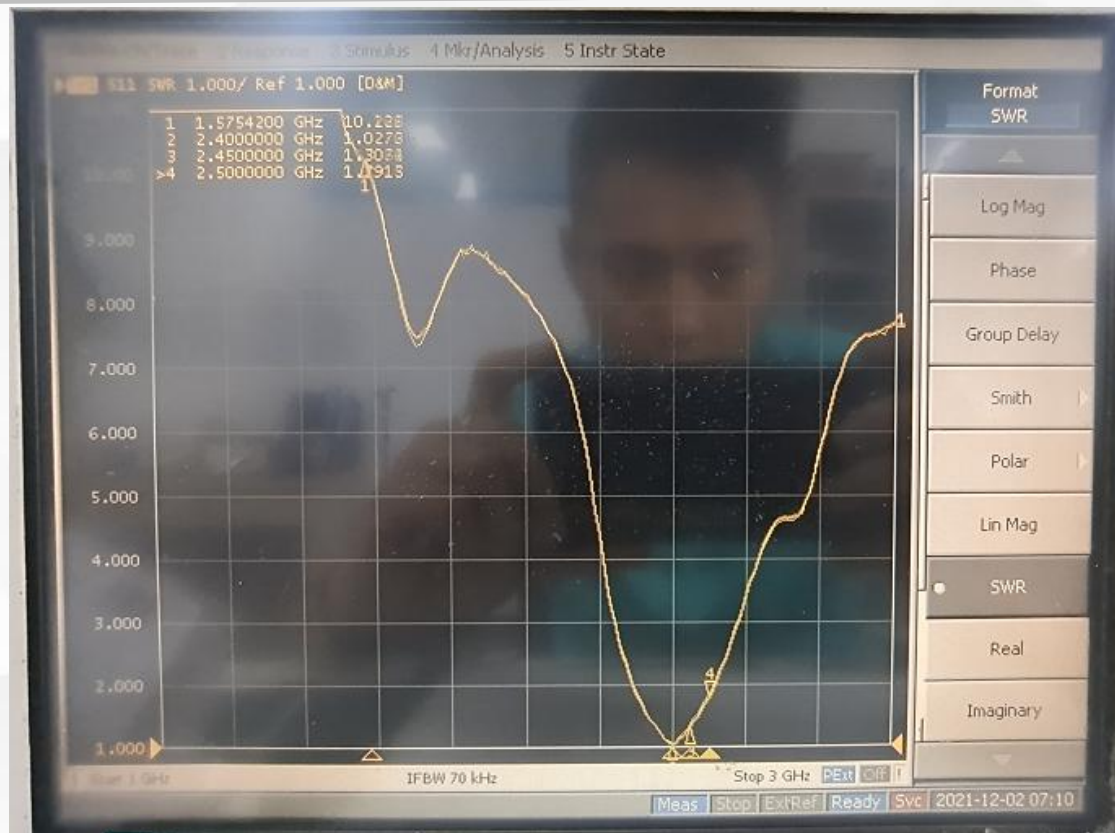


Laboratory test environment and equipment



Test item	Test equipment
S11、S12、VSWR、LOSS	Network analyzer E5071B、E5062A
Efficiency、Gain 3D Radiation Pattern	Satimo SG16hint、GP7*4*3hint、E5071B
TRP、TIS	Satimo SG16hint、GP7*4*3hint、8960、 CMW500、MT8820C、E4438C、

Newly optimized hand mold waveform





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New optimization freedom without efficiency

Passive Test For BT2.4			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	28.2	-5.5	-1.49
2410	27.55	-5.6	-1.52
2420	28.74	-5.42	-1.3
2430	30.19	-5.2	-1.04
2440	32.89	-4.83	-0.65
2450	32.53	-4.88	-0.62
2460	31.36	-5.04	-0.81
2470	28.56	-5.44	-1.19
2480	28.12	-5.51	-1.35
2490	28.68	-5.42	-1.29
2500	29.49	-5.3	-1.11



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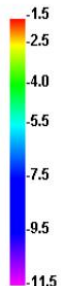
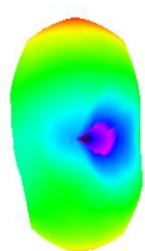
New optimized hand model passive efficiency

Passive Test For BT2.4			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2390	8.89	-10.51	-3.37
2400	11.06	-9.56	-2.33
2410	10.36	-9.85	-2.71
2420	10.42	-9.82	-2.65
2430	10.13	-9.94	-2.78
2440	10.94	-9.61	-2.43
2450	10.42	-9.82	-2.64
2460	10.13	-9.94	-2.73
2470	8.9	-10.51	-3.25
2480	8.91	-10.5	-3.3
2490	9.15	-10.38	-3.14
2500	9.68	-10.14	-2.97

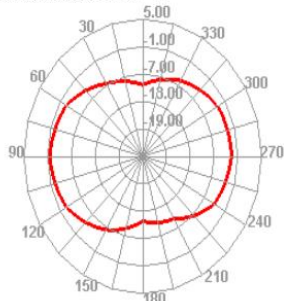


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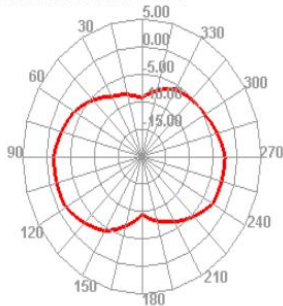
2400.000MHz



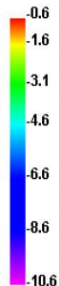
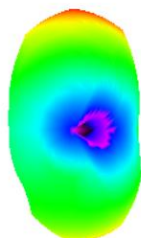
2400.000MHz H



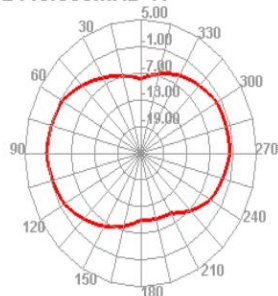
2400.000MHz E2



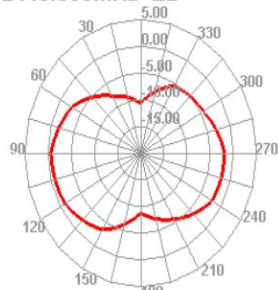
2440.000MHz



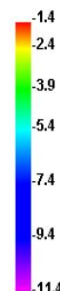
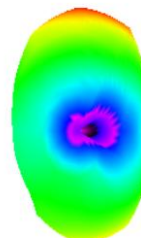
2440.000MHz H



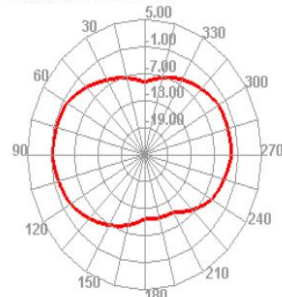
2440.000MHz E2



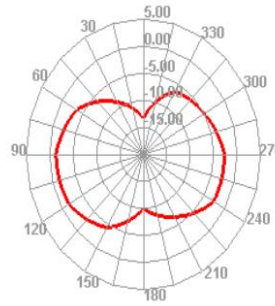
2480.000MHz



2480.000MHz H



2480.000MHz E2



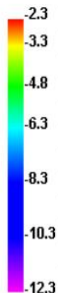
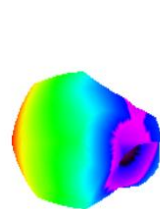
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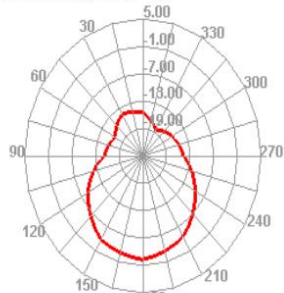


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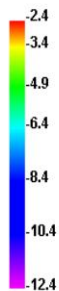
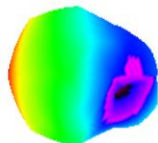
2400.000MHz



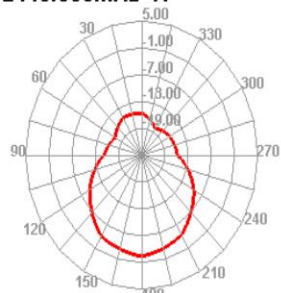
2400.000MHz H



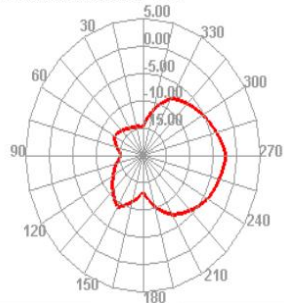
2440.000MHz



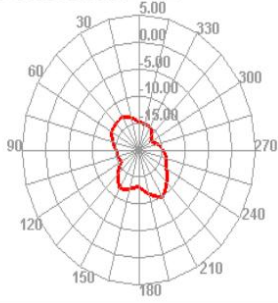
2440.000MHz H



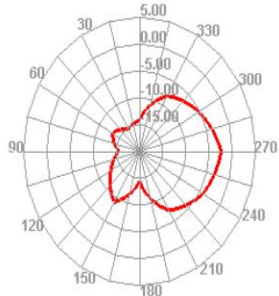
2400.000MHz E1



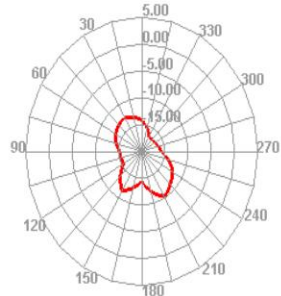
2400.000MHz E2



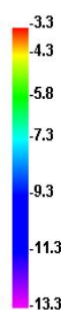
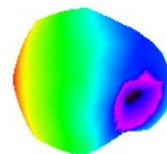
2440.000MHz E1



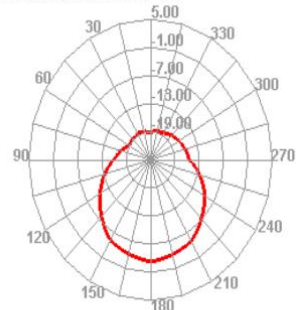
2440.000MHz E2



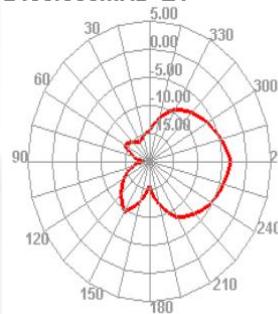
2480.000MHz



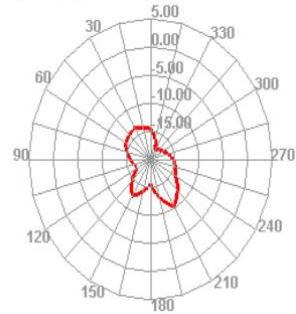
2480.000MHz H



2480.000MHz E1



2480.000MHz E2



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