

Dongguan Chuangxin Microelectronics
Technology Co., Ltd

Acknowledgment

Product name: 2.4G on-board antenna

Customer Item No: BT C11

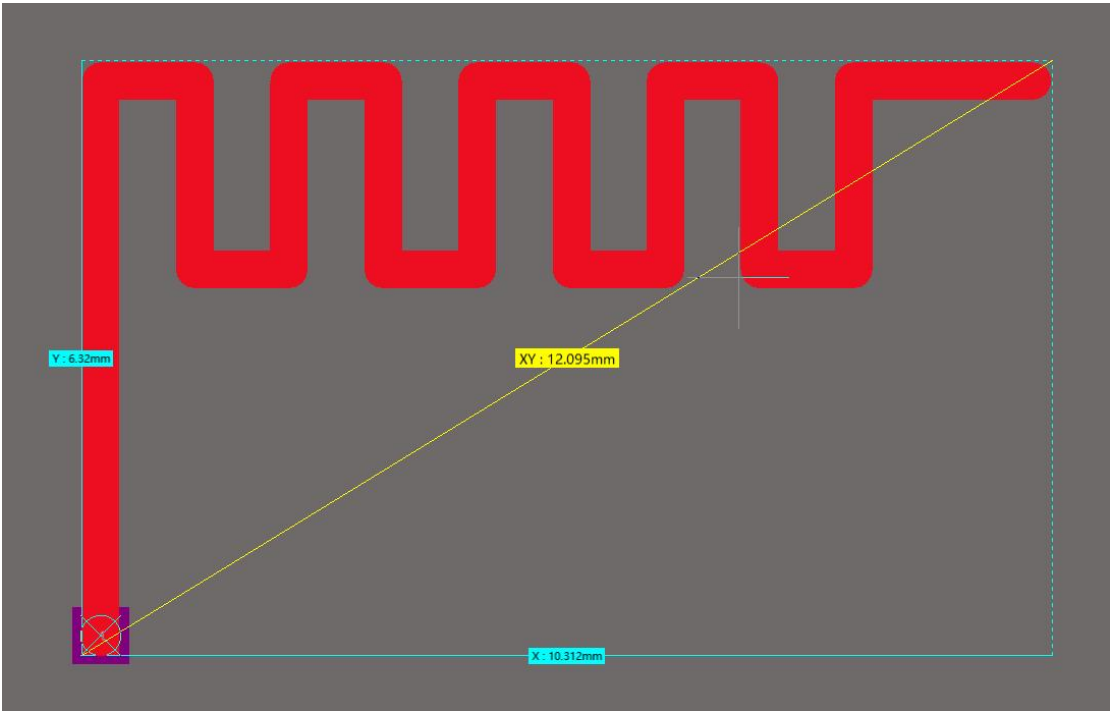
Chuangxin Micromaterial No: KN-C11-TY-V1.2

1.Specification sheet

Main technical parameters of the product

frequency range (Mhz)	2400–2500
characteristic impedance (Ω)	50
gain (dBi)	0.54
Output voltage standing wave ratio	≤2.6
Polarization mode	Linear polarization

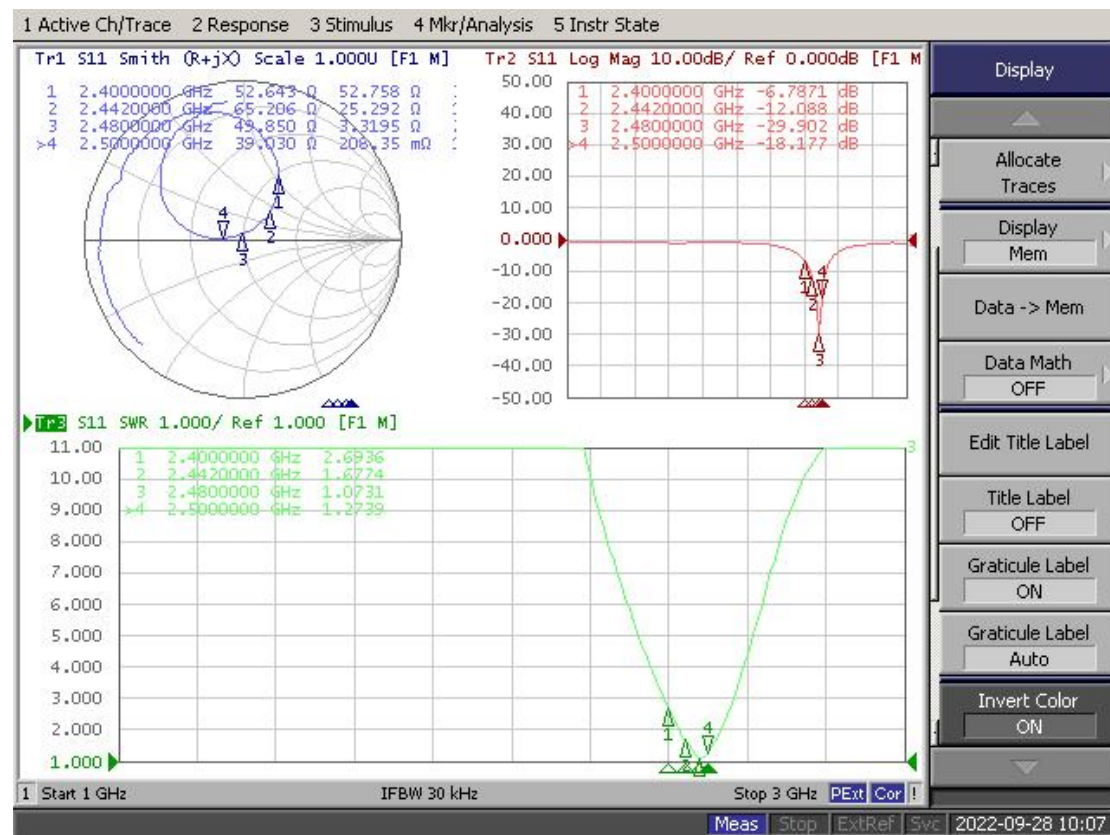
2. Dimension drawing



尺寸： 6.32mm*10.312

3. Test report (only prototype test report)

4. 3.1: Network analyzer test report



3.2: Darkroom 2D and 3D machine data

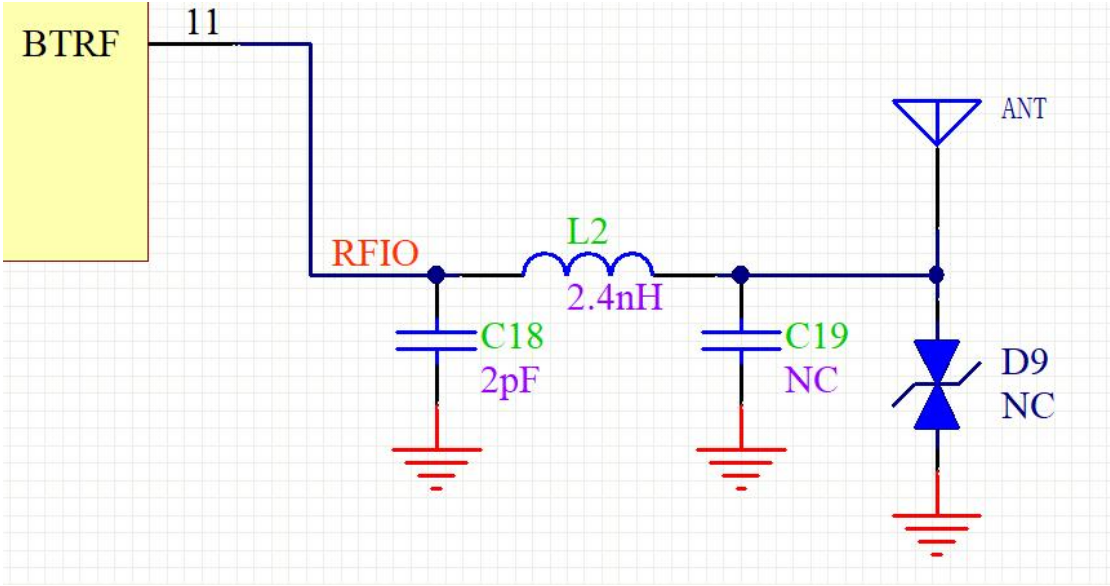
3.2.1 Efficiency and gain

Frequency (MHz)	2400	2450	2500
Avg. Gain (dBi)	-1.29	-0.01	0.54
Efficiency (%)	39.72	46.4	53.26

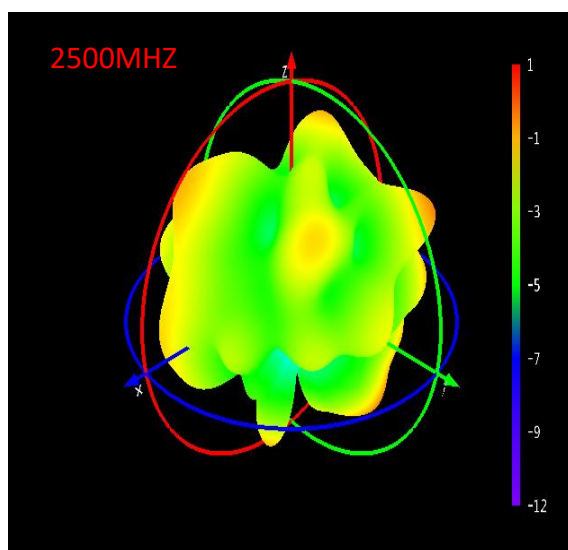
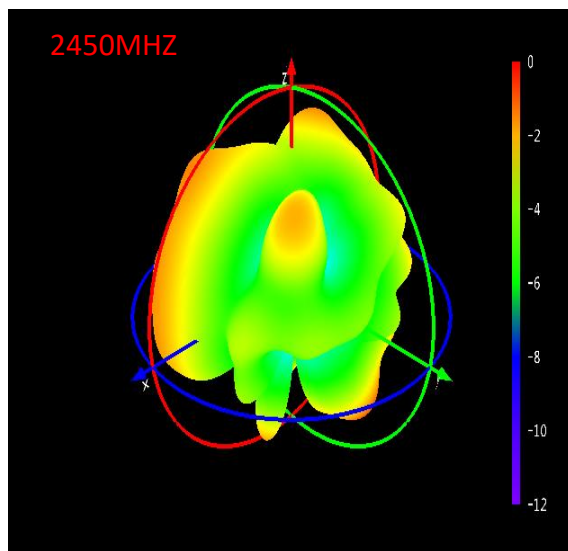
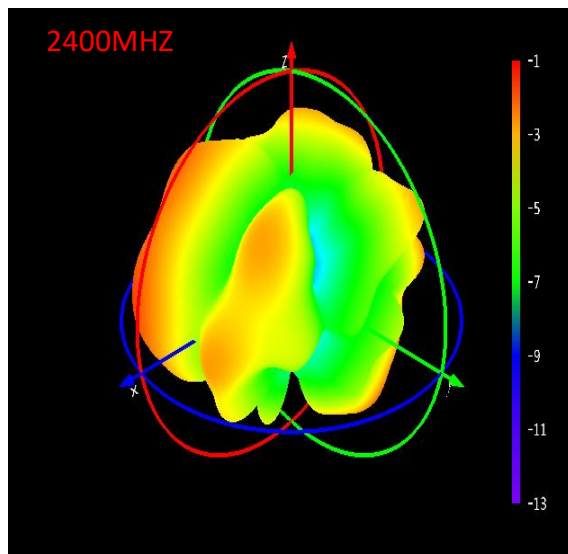
3.2.2Active test report

headset				
	Headform		free	
channel	TRP	TIS	TRP	TIS
0	4.24	-87.19	5.02	-87.94
39	6.32	-90.89	7.02	-92
78	6.88	-90.76	7.65	-91.45

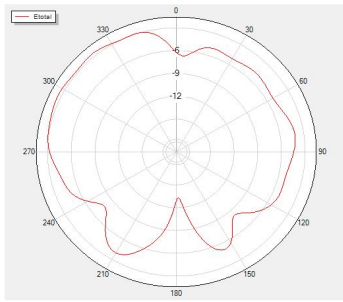
3.2.3circuit



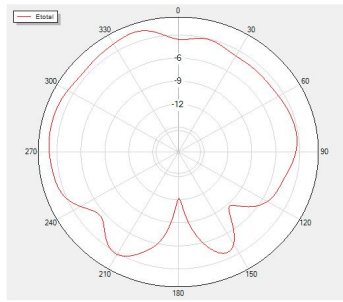
3.2.4 2D/3DField pattern diagram



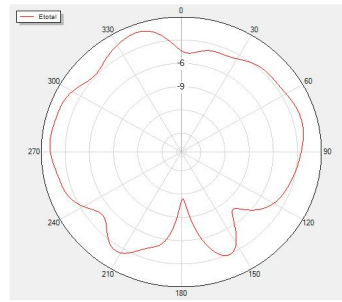
Phi=0 Freq=2400MHz



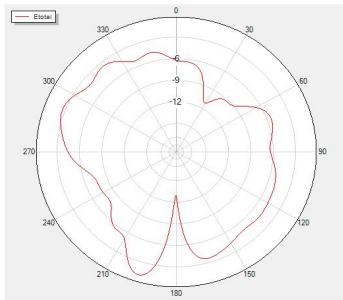
Phi=0 Freq=2450MHz



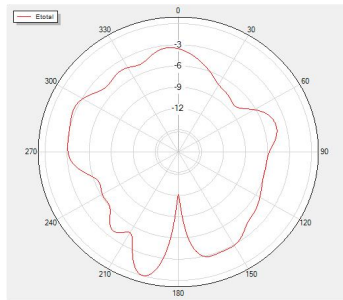
Phi=0 Freq=2500MHz



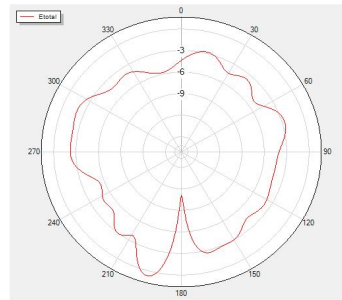
Phi=90 Freq=2400MHz



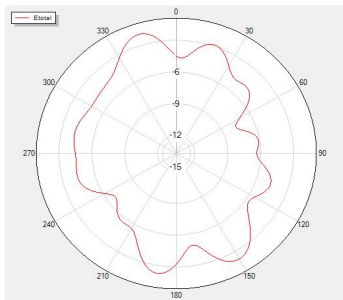
Phi=90 Freq=2450MHz



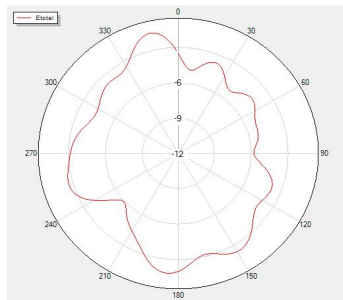
Phi=90 Freq=2500MHz



Theta=90 Freq=2400MHz



Theta=90 Freq=2450MHz



Theta=90 Freq=2500MHz

