

Dongguan Chuangxin Microelectronics
Technology Co., Ltd.
acknowledgment

Customer name: Kaneng electronic

Product name: 2.4GOnboard antenna

Manufacturer: Dongguan Chuangxin Microelectronics Technology Co.,
Ltd.

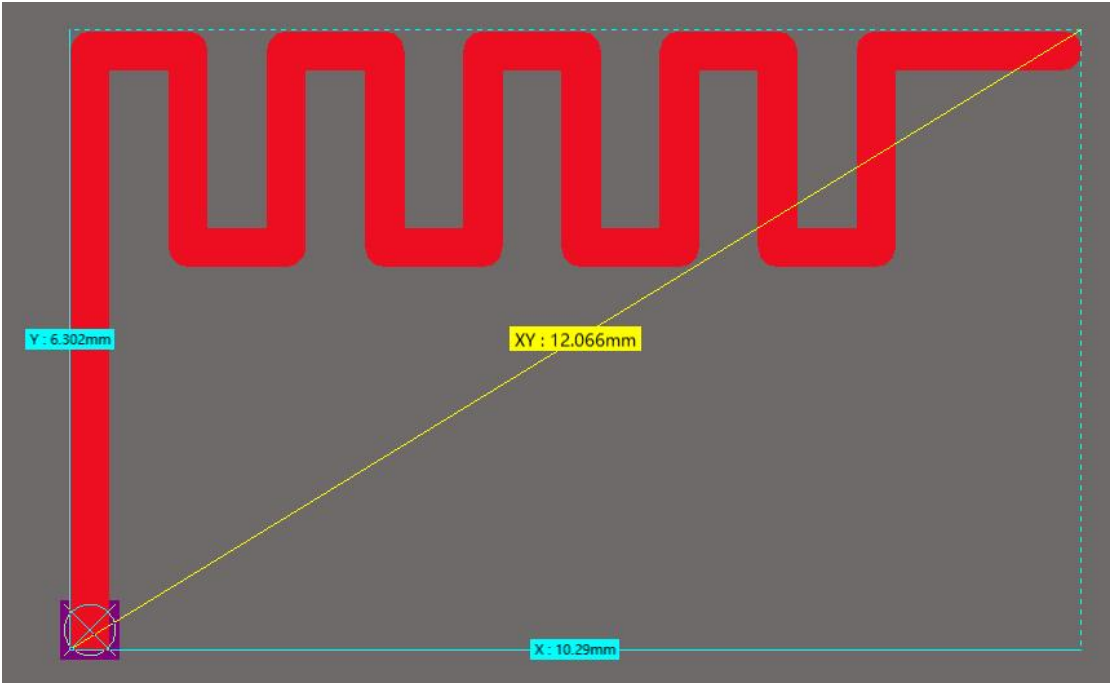
Address: Room 805, Building 1, No.16 Keji 4th Road, Songshan
Lake Park, Dongguan, Guangdong.

1.Specification Table

Main technical parameters of products

Frequency range (Mhz)	2400–2500
Characteristic impedance (Ω)	50
Gain (dBi)	3.08
Output voltage standing wave ratio	≤2.0
Polarization mode	Linear polarization

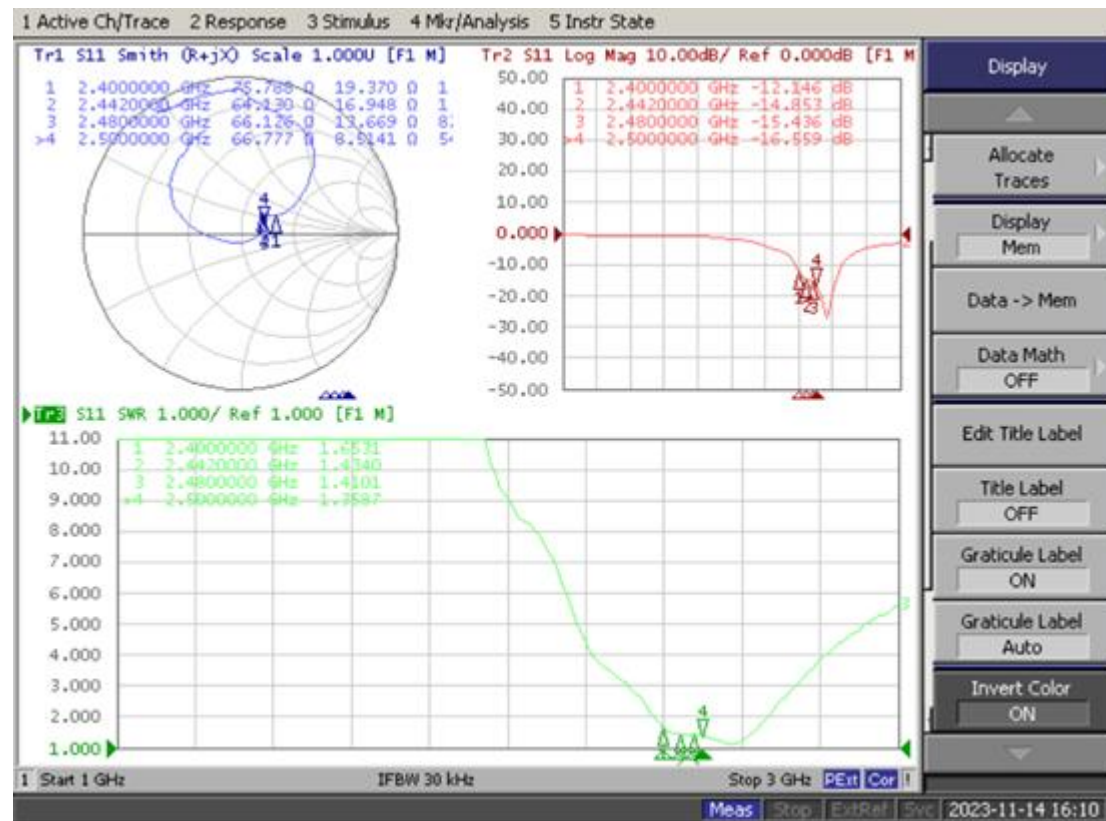
2.Dimensional drawing



Measure: 6.3mm*10.29

3.Test report (prototype test report only)

3.1: Network analyzer test report



3.2: Darkroom 2D and 3D machine data

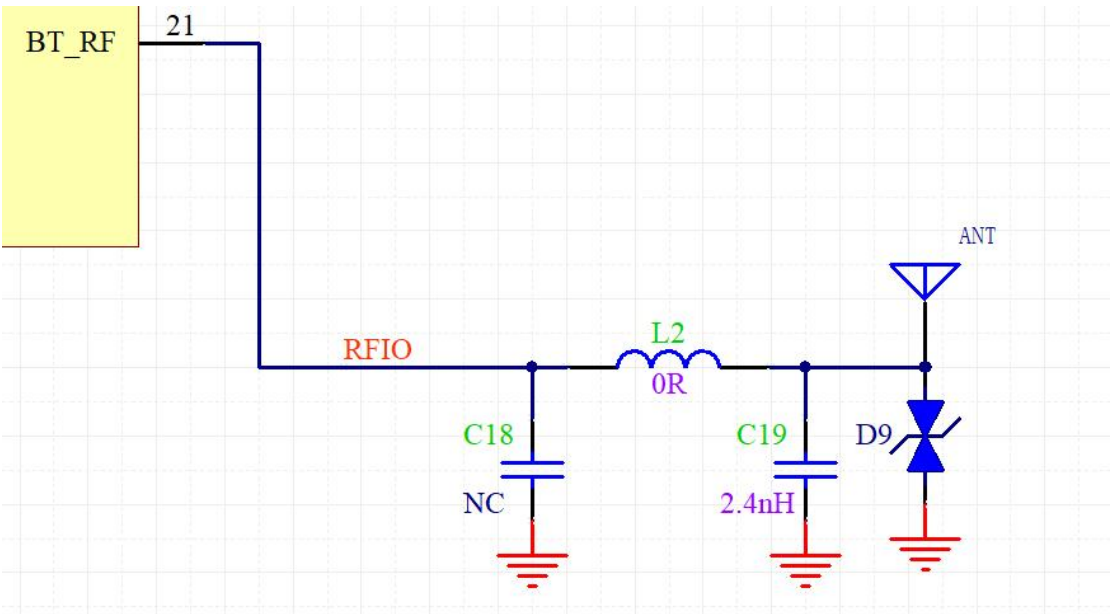
3.2.1 Efficiency and gain

Frequency (MHz)	2400	2450	2500
Avg. Gain (dBi)	2.85	3.08	1.67
Efficiency (%)	47.54	48	48.34

3.2.2Active test report

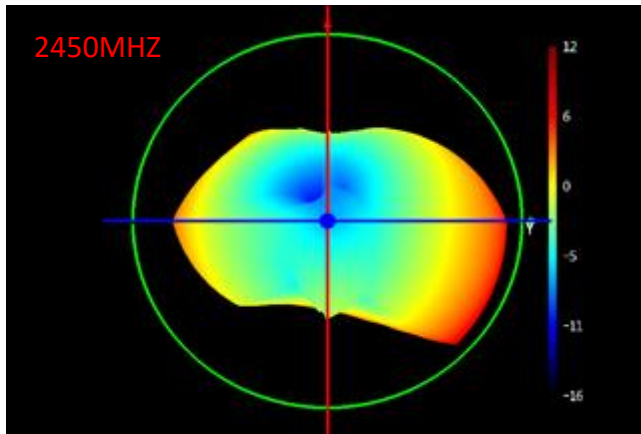
earphone	Head mold		freedom	
	TRP	TIS	TRP	TIS
channel				
0	5.43	-91.19	6.12	-91.88
39	5.39	-92.39	6.17	-93.35
78	4.95	-91.89	6.06	-92.95

3.2.3matching circuit

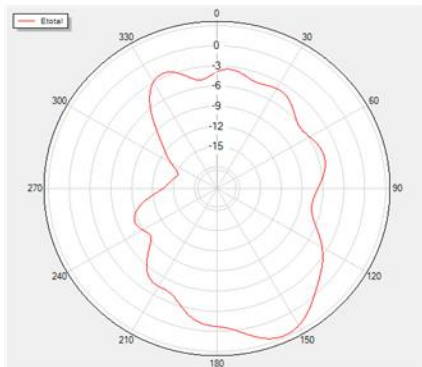


3.2.4 2D/3D Field pattern diagram

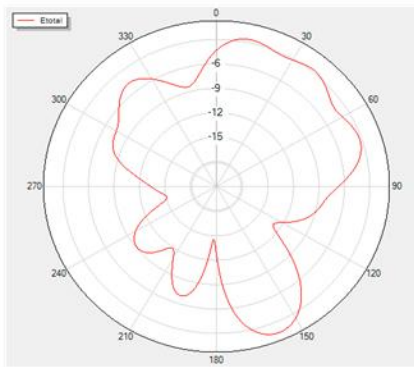




Theta=90 Freq=2400MHz



Phi=90 Freq=2400MHz



Phi=0 Freq=2400MHz

