

Dongguan Chuangxin Microelectronics
Technology Co. , LTD

Customer Name:	Caloric electron
Product Name:	2.4G ceramic antenna
Customer Part Number:	ANCC82
Core micromaterial number:	KN - ANCC82 - V1.0

1. Specification sheet

Product main technical parameters

Frequency Range (Mhz)	2400-2500
Impedance (Ω)	50
Gain (dBi)	-0.47
Standing-wave ratio	≤ 2.0
Polarization	Linear

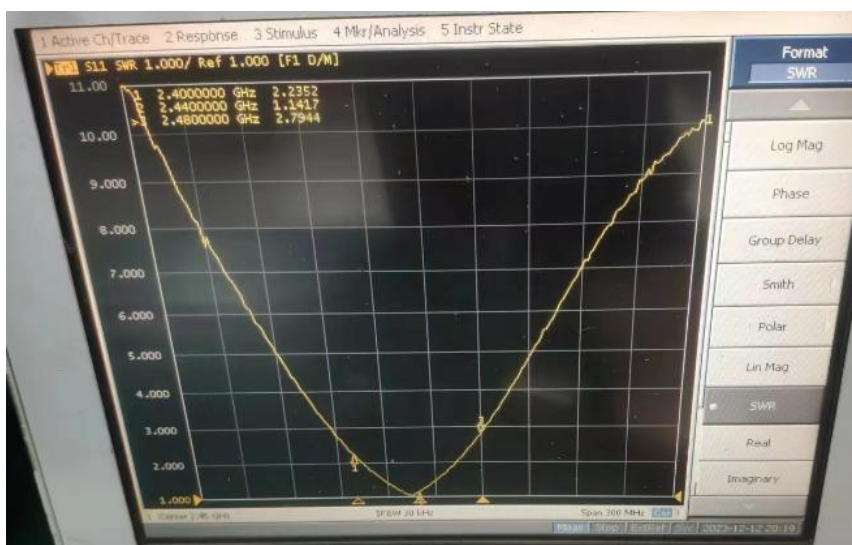
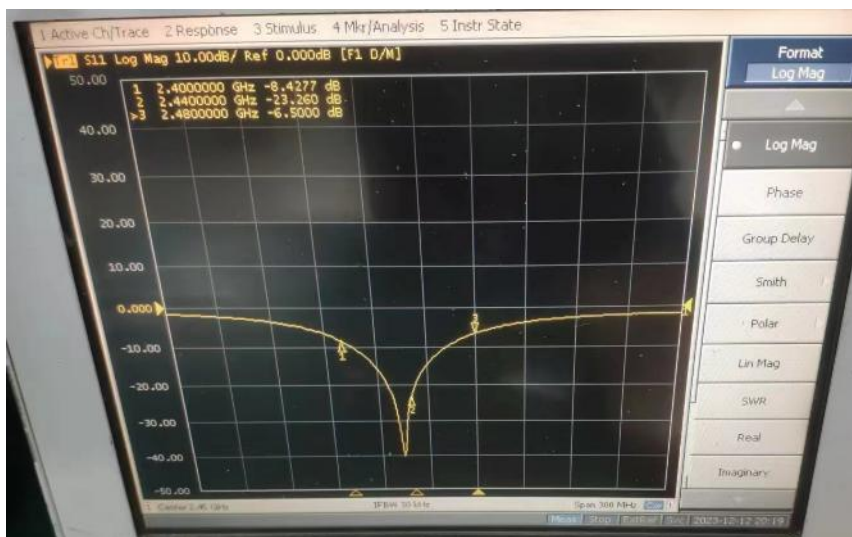
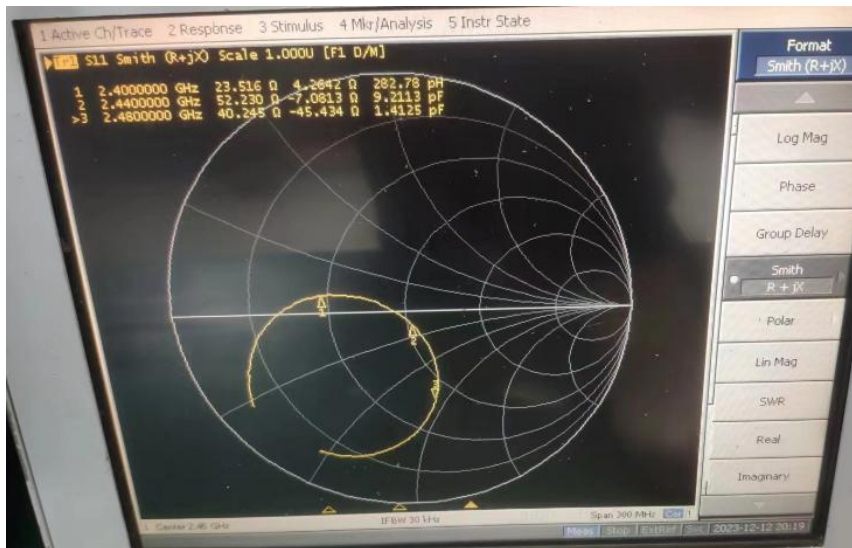
2. Dimensional drawing



dimension: 1.3mm*3.29

3. Test report (Prototype test report only)

3.1: Network analyzer test report



3.2: Darkroom 2D, 3D machine data

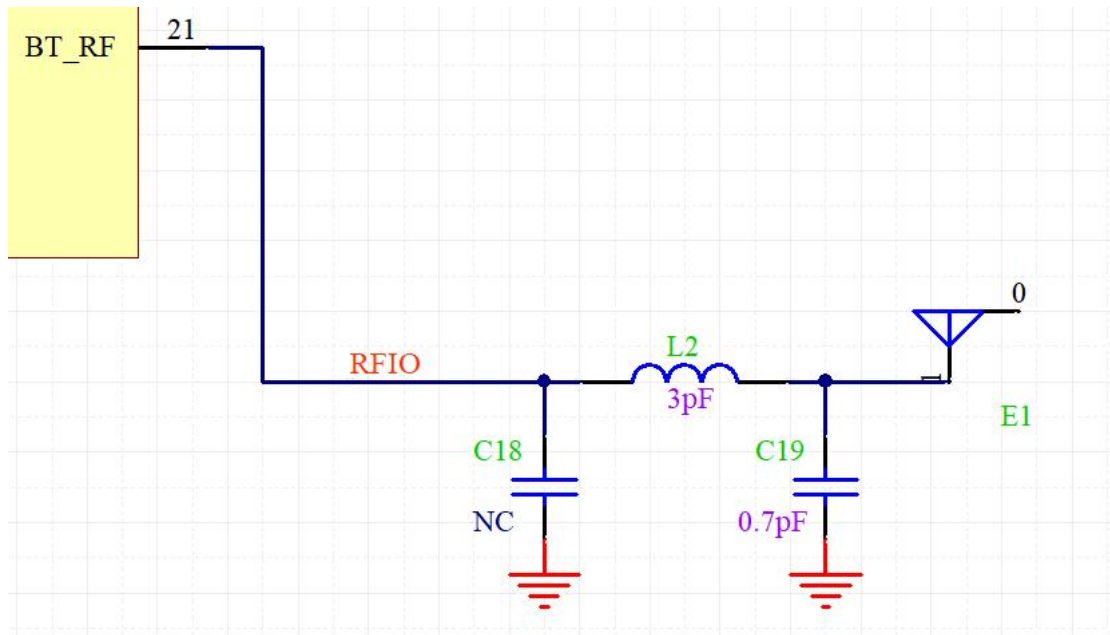
3.2.1 Efficiency and gain

Frequency (MHz)	2400	2450	2500
Avg. Gain (dBi)	-2.75	-0.47	-1.05
Efficiency (%)	15.80	23.22	18.37

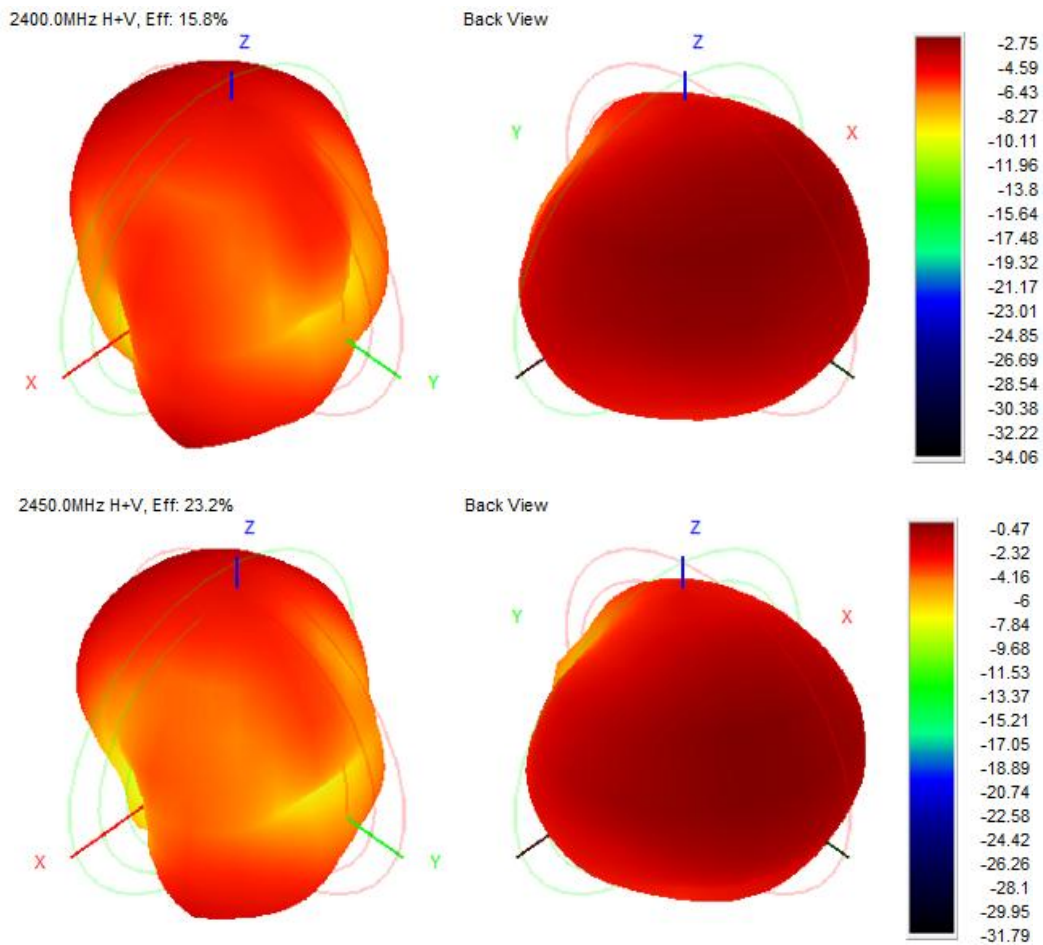
3.2.2 Active test report

Headphones				
	Head mold		liberty	
channel	TRP	TIS	TRP	TIS
0	-3.64	-87.66	-2.63	-88.84
39	-0.95	-86.01	0.68	-87.48
78	-2.14	-85.59	-1.85	-86.12

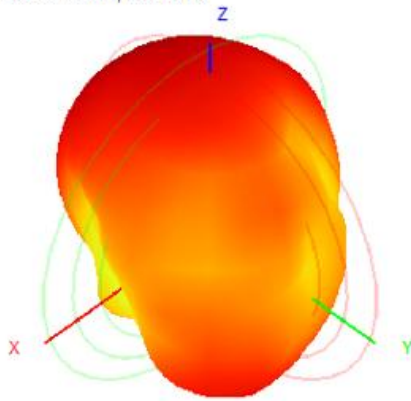
3.2.3 Matching circuit



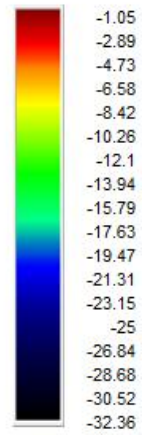
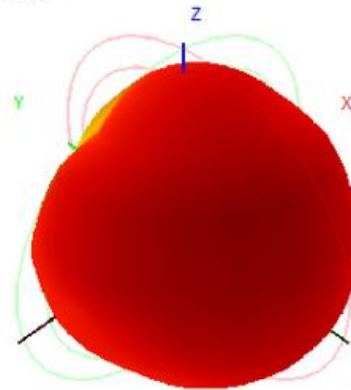
3.2.4 2D/3D Field pattern diagram



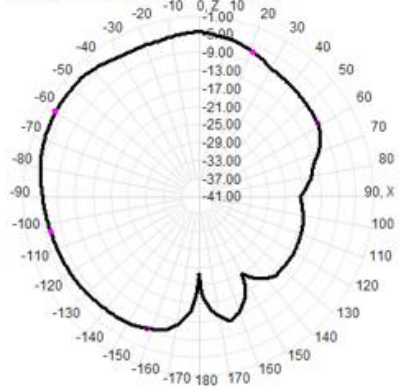
2500.0MHz H+V, Eff: 18.4%



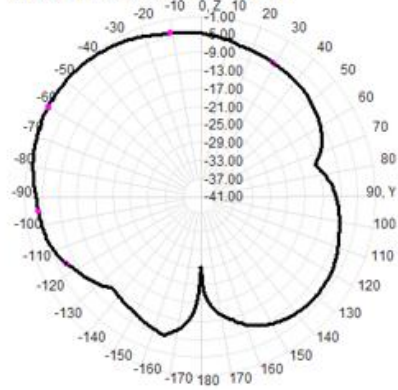
Back View



2450.0MHz Total(E1-XZ), Max=-3.43dBi



2450.0MHz Total(E2-YZ), Max=-1.00dBi



Total(H-XY), Max=-3.69dBi, CirD=14.31

