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# Antenna Data Sheet

Product Name:	2.4G PCB Antenna
Antenna Model:	0302C4VT-ANT0 0302C4VT-ANT1
Manufacturer:	GuangDong Kingshine Electronic Technology Co Ltd
Address:	32 Xiangshui North Road, Dayawan West District Street, Huizhou City, Guangdong Province

## 1、规格表(Specifications)

### ANT0:

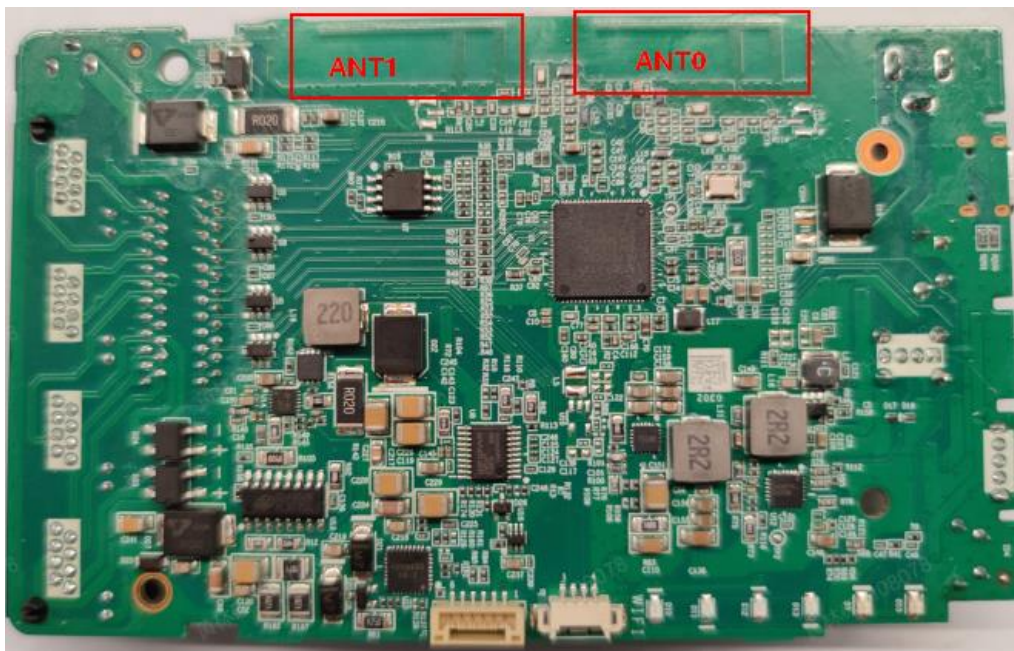
主要技术指标		Main technical specifications	
频率范围(MHz)	2400~2500	Frequency Range (MHZ)	2400~2500
特性阻抗( $\Omega$ )	50	Impedance( $\Omega$ )	50
峰值增益(dBi)	0.51	Peak Gain(dBi)	0.51
反射系数(dB)	$\leq -7$	S11(dB)	$\leq -7$
物理性能		Physical Properties	
天线本体材料	PCB	Antenna Base	PCB

### ANT1:

主要技术指标		Main technical specifications	
频率范围(MHz)	2400~2500	Frequency Range (MHZ)	2400~2500
特性阻抗( $\Omega$ )	50	Impedance( $\Omega$ )	50
峰值增益(dBi)	0.16	Peak Gain(dBi)	0.16
反射系数(dB)	$\leq -7$	S11(dB)	$\leq -7$
物理性能		Physical Properties	
天线本体材料	PCB	Antenna Base	PCB

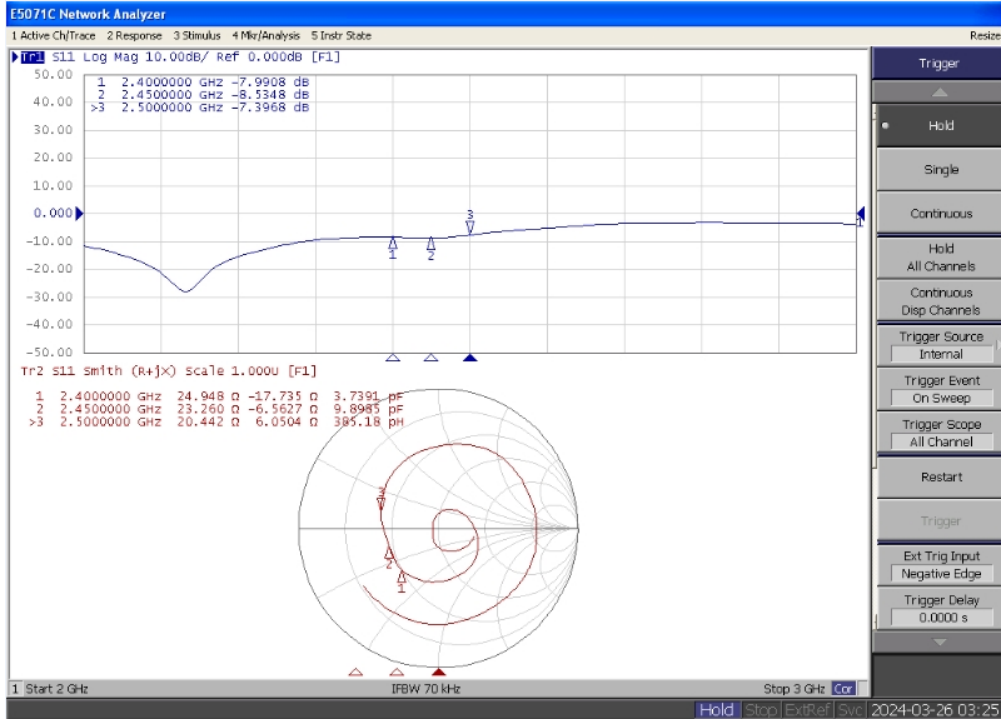
## 2、成品图 (Antenna Photo and Dimensions)

The size for both ANT0 and ANT1 is: 23mm\*7.24mm。

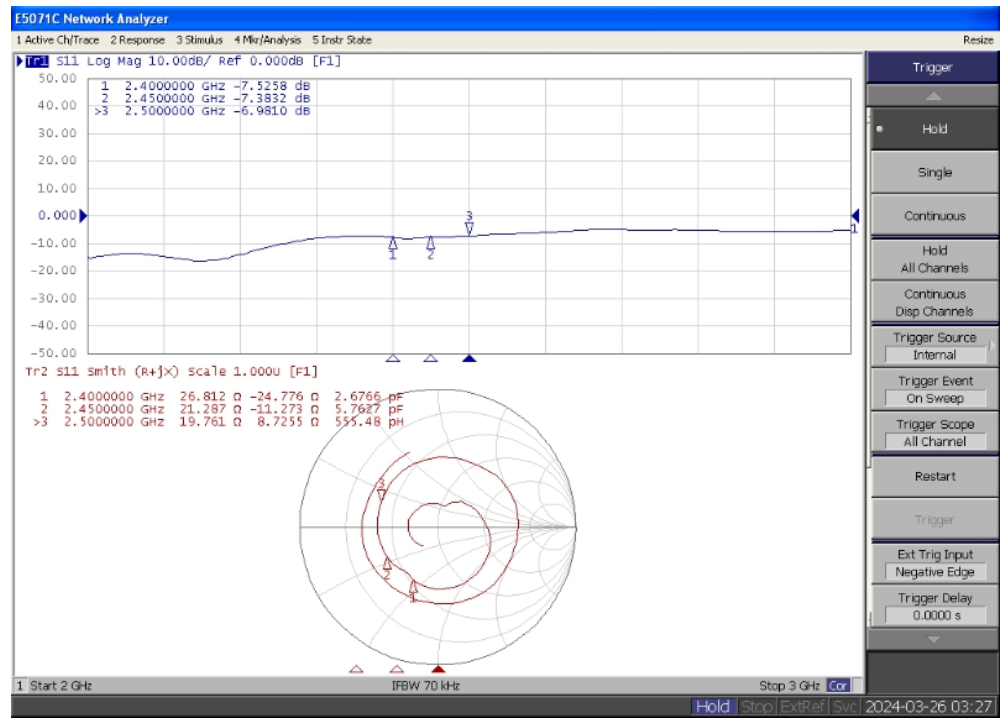


### 3、2D 辐射图 (2D Raditation Pattern)

ANT0:



ANT1:



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#### 4、效率及增益 (Antenna gain and efficiency)

ANT0:

Frequency / MHz	Efficiency / %	Gain/ dB
2400	24.27	-1.02
2410	24.6	-1.64
2420	26.79	-0.69
2430	29.04	0.19
2440	29.38	0.51
2450	28.38	0.42
2460	26.49	-0.22
2470	27.35	-0.47
2480	29.44	-0.53
2490	30.69	-0.81
2500	29.44	-0.91

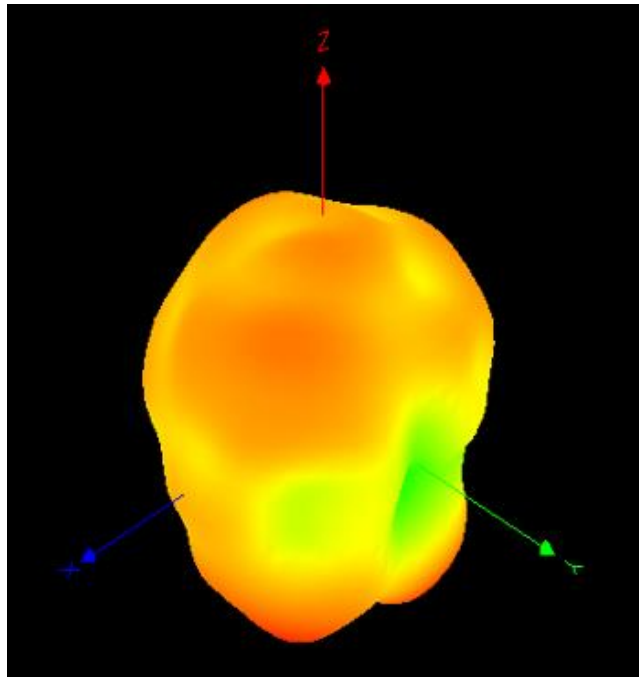
ANT1:

Frequency / MHz	Efficiency / %	Gain/ dB
2400	31.84	-0.66
2410	32.58	-0.64
2420	32.51	-0.25
2430	31.62	0.01
2440	30.76	0.16
2450	29.17	-0.19
2460	27.61	-0.61
2470	29.11	-0.74
2480	32.36	-0.61
2490	34.36	-0.67
2500	32.89	-0.65

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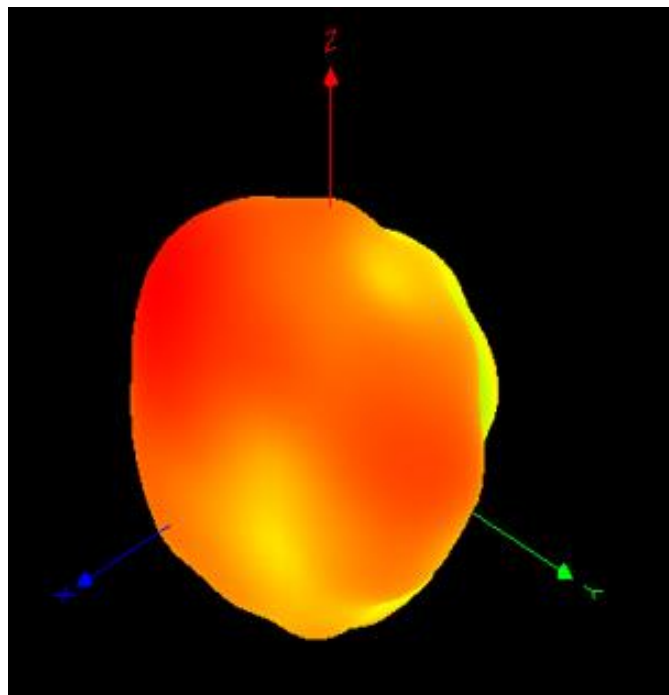
5、 3D Raditation Pattern

ANT0:



2450MHz

ANT1:



2450MHz