

天线规格书

RDMCTMZT-RF01

Model name: RDMCTMZT-RF01

Project Type: Built-in antenna on the keyboard

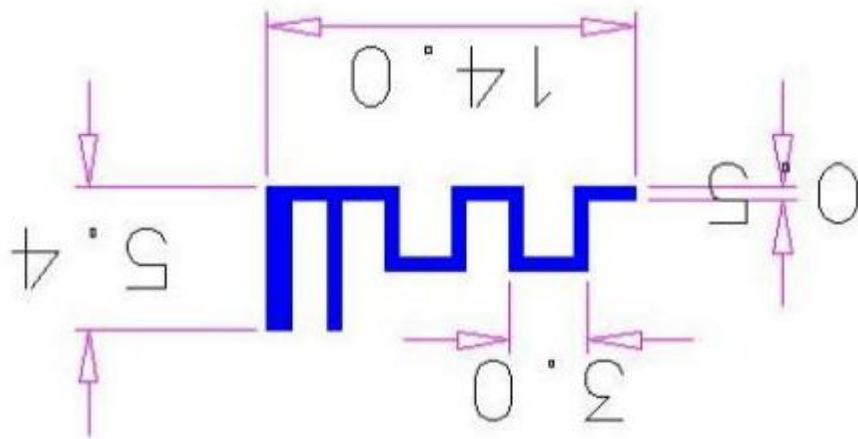
Date: 2024-05-24

Manufacturer: Sisun Electronics Technology (DG) CO., LTD

Address: Sisun industrial park, Xikeng road, Puxin village, Shipai town, Dongguan, Guangdong, China

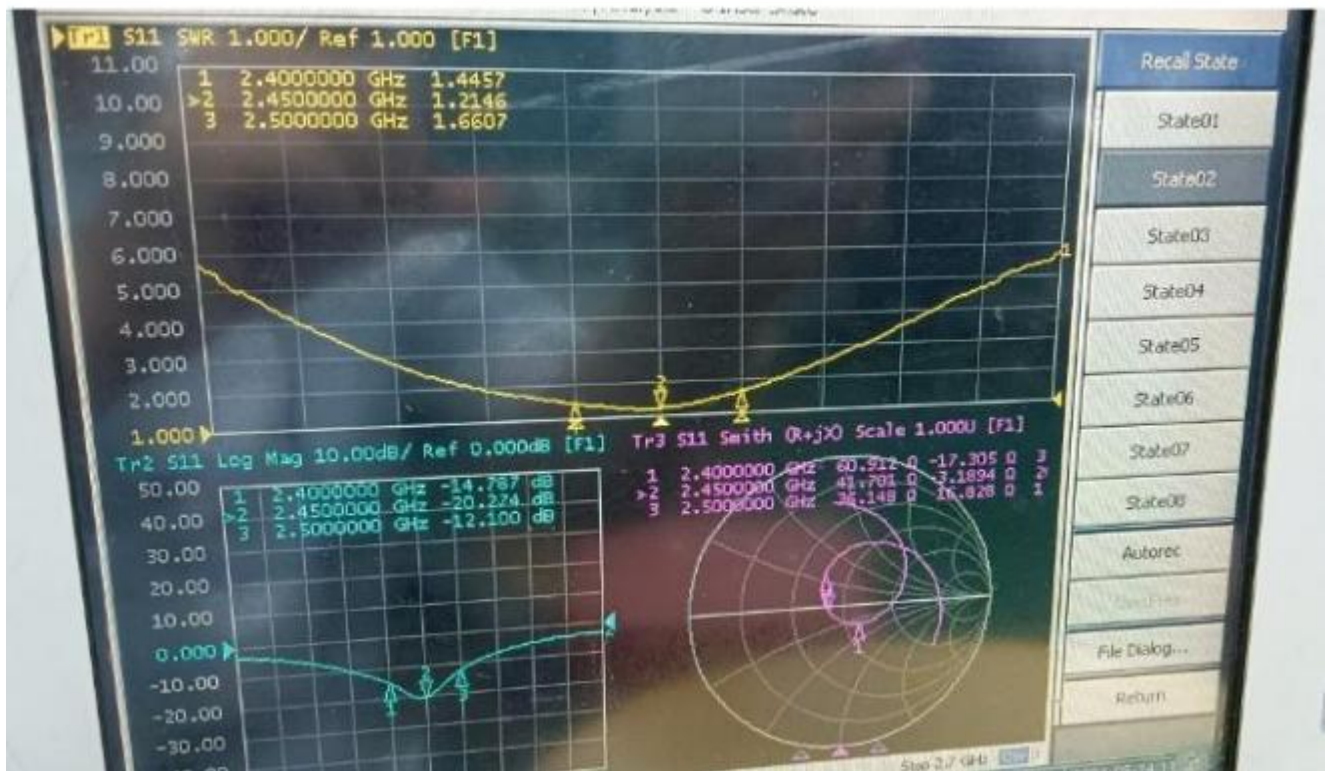
Antenna plan view:

Unit: mm



电气技术参数 Electrical technical parameters			
电 性 能 指 标		Electrical Specifications	
频率范围	2400-2500MHz	Frequency Range	2400-2500MHz
电压驻波比	<1.92	VSWR	<1.92
输入阻抗	50 Ω	Input Impedance	50 Ω
方向	全向	Direction	All
增益	2.0±1dBi	Gain	2.0±1dBi
机 械 指 标		Mechanical Specifications	
接口形式	OPEN	Input connector	OPEN
工作温度	-20℃~+70℃	Working Temperature	-20℃~+70℃
工作湿度	20%~80%	Working Humidity	20%~80%
Antenna Type: PCB Antenna			

Antenna performance test chart:



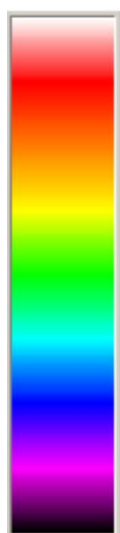
Test data (2.4G) :

Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	43.85	2.46
2410MHz	45.92	2.36
2420MHz	46.13	2.10
2430MHz	46.88	2.13
2440MHz	47.10	2.27
2450MHz	48.19	2.49
2460MHz	47.53	2.44
2470MHz	48.75	2.59
2480MHz	46.77	2.39
2490MHz	47.42	2.36
2500MHz	45.60	2.21

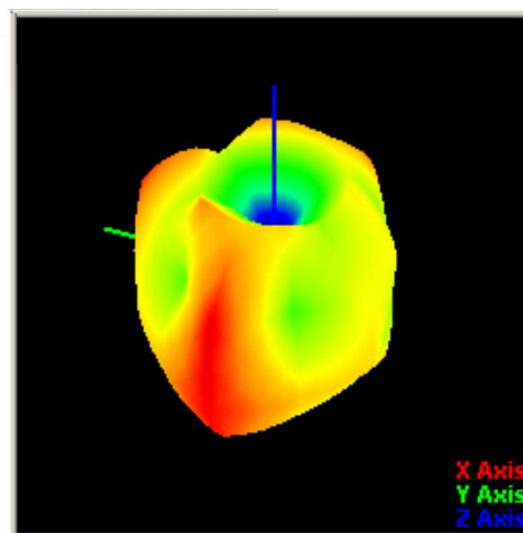
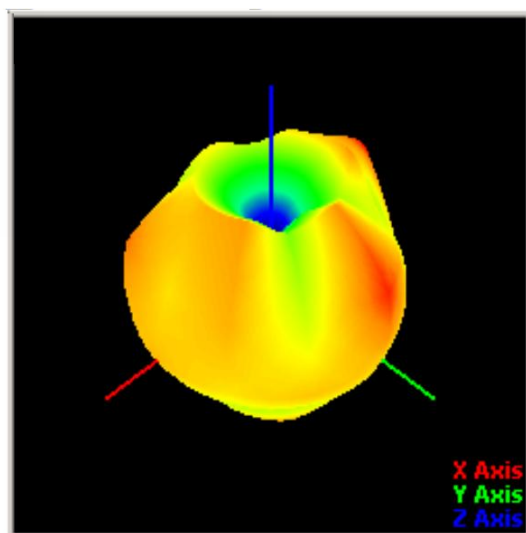
Phi 0 3D Picture:

Phi 90 3D Picture

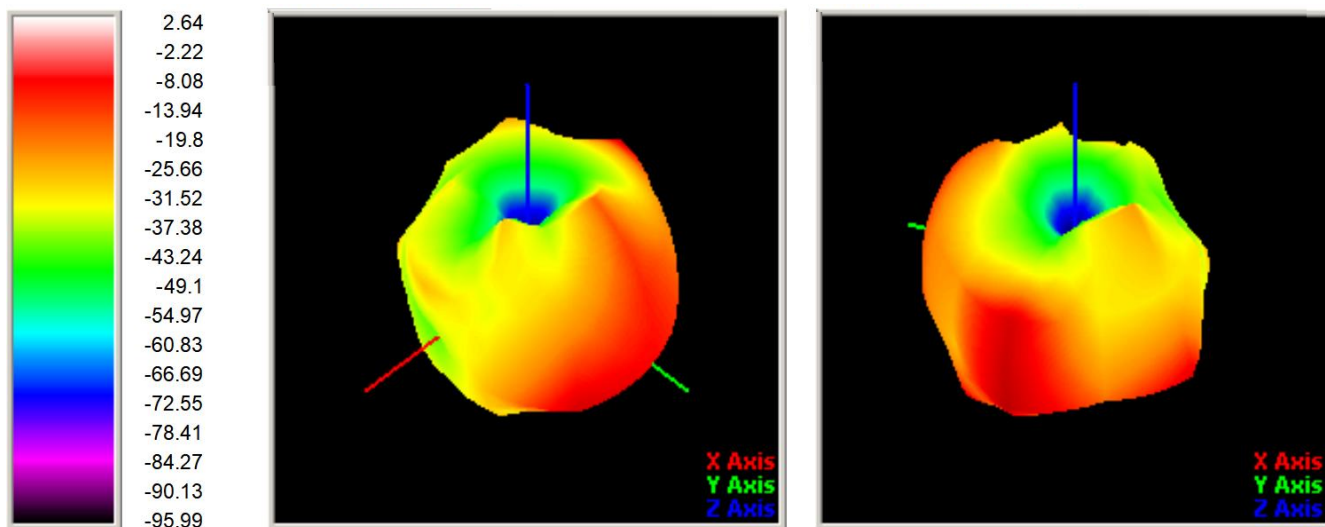
2400MHz



2.44
-3.35
-9.14
-14.93
-20.72
-26.51
-32.3
-38.09
-43.88
-49.67
-55.46
-61.25
-67.04
-72.83
-78.62
-84.41
-90.2
-95.99



2450MHz



2500MHz

