

PRODUCT SPECIFICATION

Customer: SHENZHEN SAGE IOT TECHNOLOGY CO.,LTD

Customer's part number: ANT000069

Product description: 2.4G/5G Dual Frequency Antenna

Manufacturer: Shenzhen RedbirdTek Technology Co., Ltd.

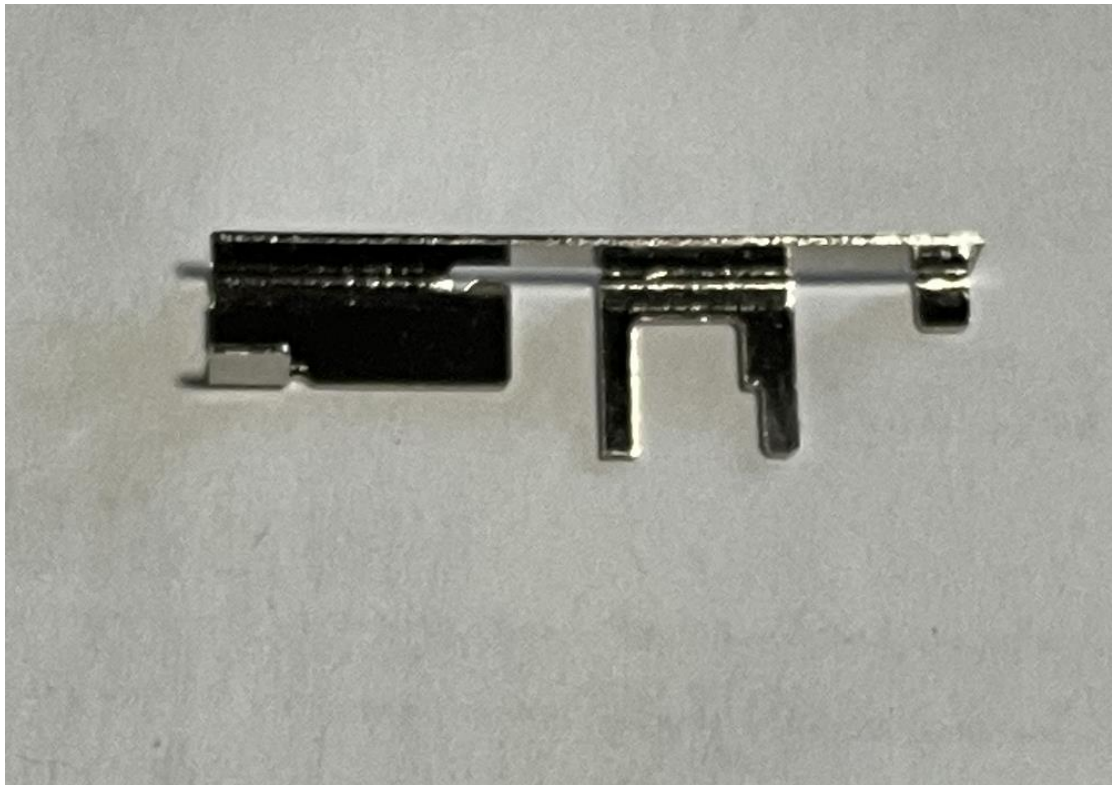
1、PRODUCT TECHNICAL SPECIFICATION

Electrical Specifications	
Frequency Range (MHz)	2400-2500/5150-5850
Bandwidth (MHz)	2.4G: 100 5G: 700
Input Impedence (Ω)	50
V.S.W.R	≤ 2.0
Gain (dBi)	2.4G: <3.04 5.1G: <2.22 5.8G: <2.12
Polarization Type	Vertical
Mechanical Specifications	
Antenna Length (mm)	21.5*3.5*4.5mm
Radiator	Steel
Connect Type	DIP
Radome Color	Silver
Weight (g)	0.5

Product introduction :

The antenna is specially designed and produced for wireless built-in antenna equipment. The antenna has the advantages of beautiful appearance, compact structure and convenient installation. The material is nickel-plated stainless steel with sufficient hardness.

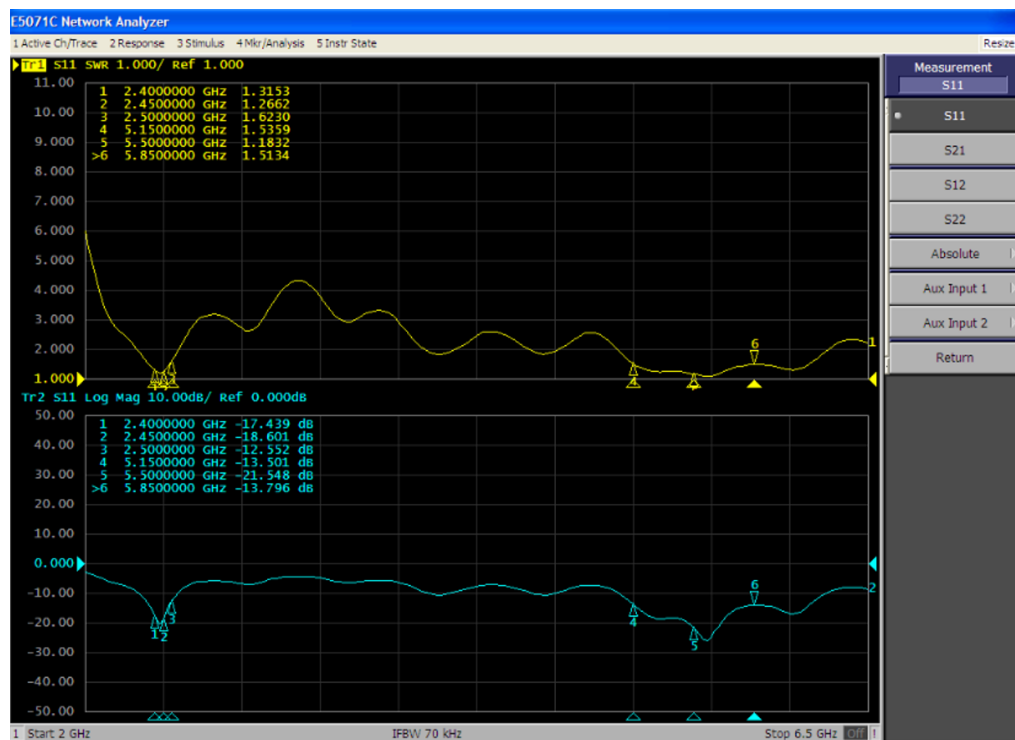
2、PRODUCT PICTURE



3、PRODUCT SPECIFICATION CHART

3.5 21.5 3.5 3.5 3.5 3.5 3.5 3.5													
签字		标记		处数		更改文件号		签字日期					
日期		设计		绘图		校对		工艺		标准化		审核	
										阶段		标记	
										数量		重量	
										2		0.011:1	
										共 1 张		第 1 张	

4、STATIONARY WAVE PATTERN

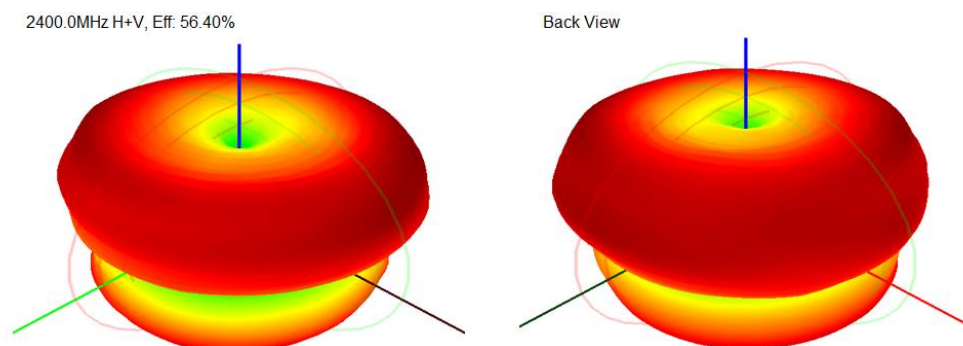


5. Gain and Efficiency:

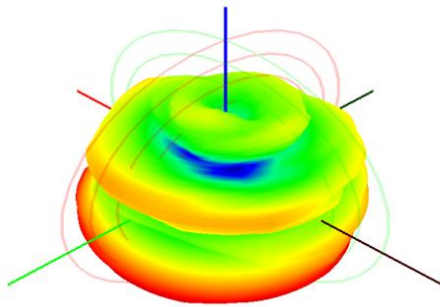
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	3.04	2.08	2.18	2.16	2.08	1.97	2.23	2.20	2.30	1.95	2.01
Efficiency (%)	56.40	61.23	54.23	56.21	49.45	57.12	56.43	51.78	57.23	52.02	48.54

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
2.01	1.93	2.22	1.56	1.23	1.45	1.32	1.87	1.67	2.01	2.12	1.98	1.78	2.08	2.12
48.20	49.10	52.10	49.67	49.21	36.56	52.11	48.76	45.65	39.23	45.62	48.76	51.22	49.12	45.78

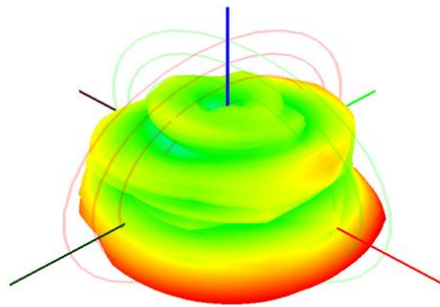
6. Field Pattern:



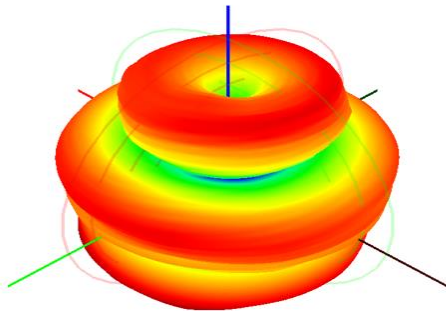
5350.0MHz H+V, Eff. 49.21%



Back View



5700.0MHz H+V, Eff. 48.76%



Back View

