

PRODUCT SPECIFICATION

Customer: Actions Microelectronics Co., Ltd.

Customer’s part number: RBT-WIFI-524-004-2P5-R

Product description: 2.4G/5G Dual Frequency Antenna

Manufacturer: Shenzhen RedbirdTek Technology Co., Ltd.

1、(PRODUCT TECHNICAL SPECIFICATION)

Electrical Specifications	
Frequency Range (MHz)	2400-2500/5150-5350/5700-5850
Bandwidth (MHz)	2.4G: 100 5G: 350
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
Working Temp($^{\circ}$ C)	-20~90
Storage Temperature($^{\circ}$ C)	-40~95

Radome Color	Silver
Weight (g)	0.5

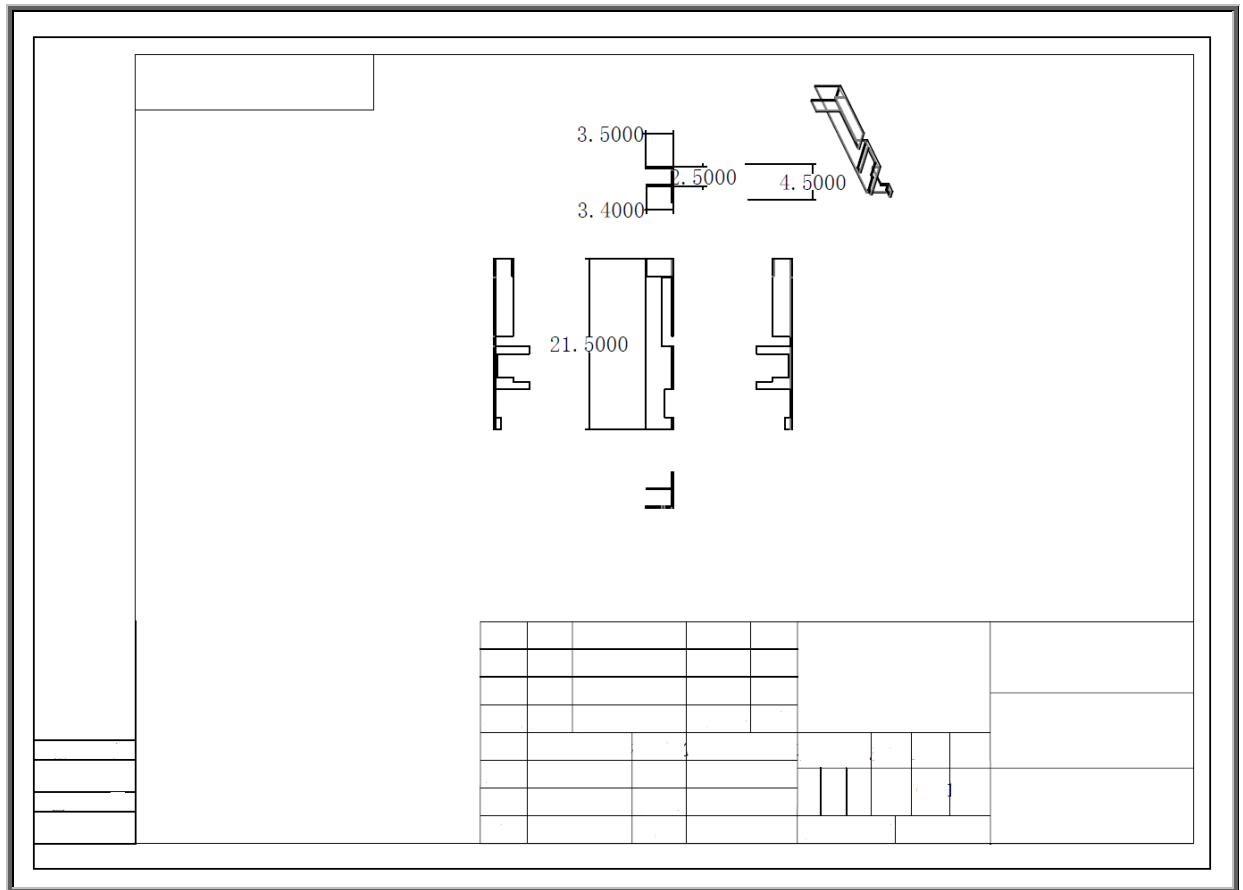
Product introduction :

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.

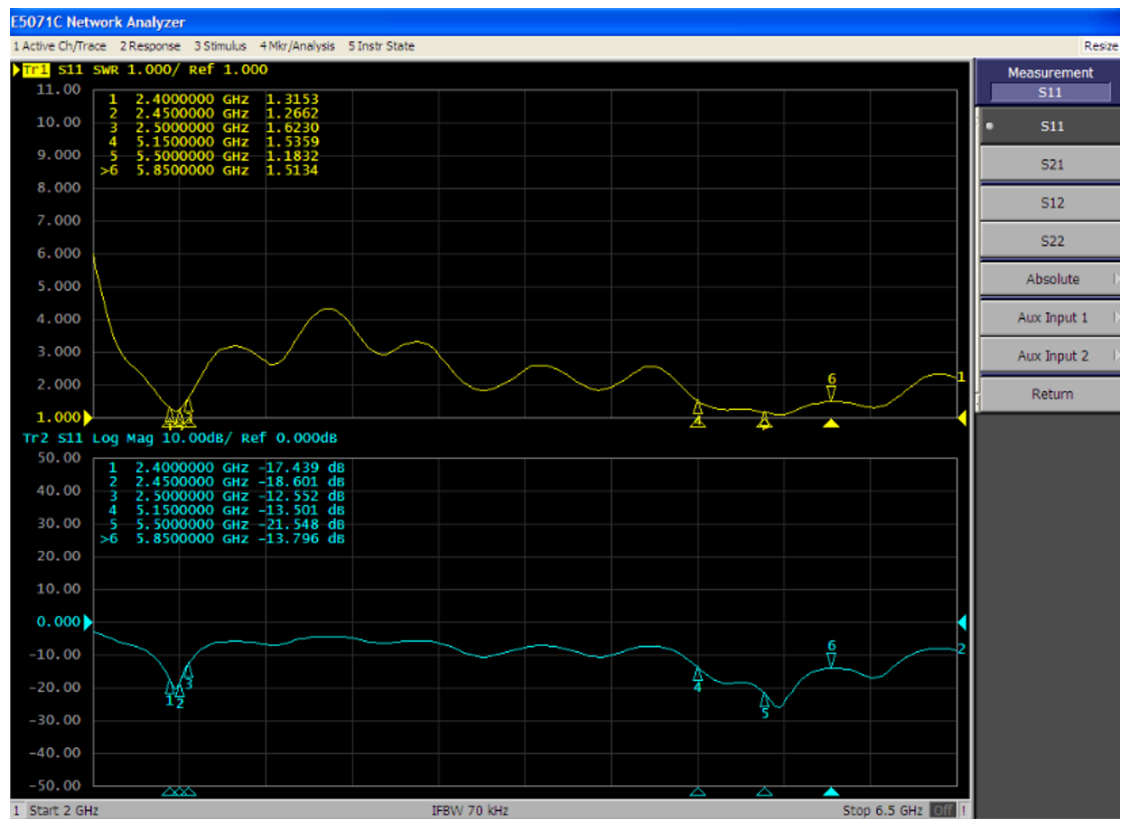
2、（PRODUCT PICTURE）



3、（PRODUCT SPECIFICATION CHART）



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:

