

PRODUCT SPECIFICATION

Customer: Shenzhen Xianzhi IOT Technology Co., Ltd.

Customer's part number: RBT-ANT-245-PS-V1.0

Product description: 2.4G Dual Frequency Antenna

Manufacturer: Shenzhen RedbirdTek Technology Co., Ltd.

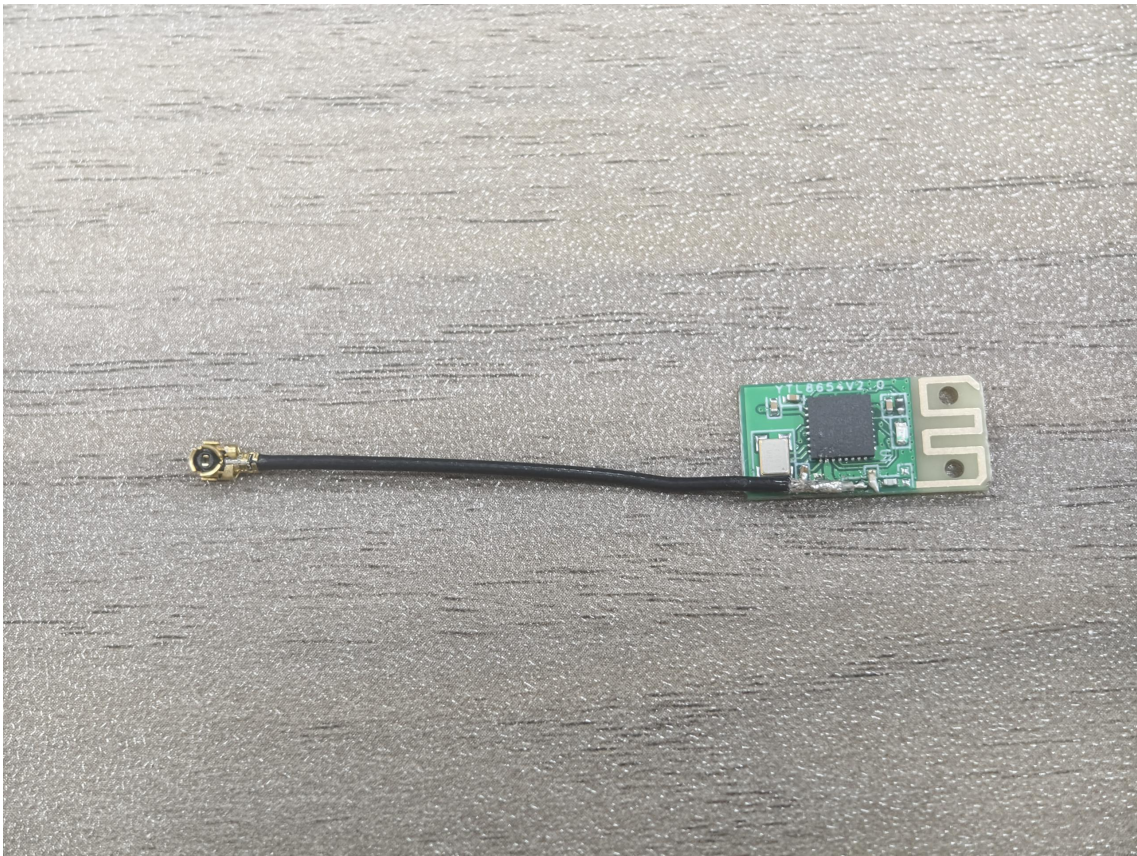
1、PRODUCT TECHNICAL SPECIFICATION

Electrical Specifications	
Frequency Range (MHz)	2400-2500
Bandwidth (MHz)	2.4G: 100
Input Impedence (Ω)	50
V.S.W.R	2.4G : <2.5:1
Gain (dBi)	2.4G: ≤ 2.59
Polarization Type	Vertical
Mechanical Specifications	
Antenna Length (mm)	9*5.5*0.7mm
Radiator	Cu
Connect Type	DIP
Radome Color	coppery
Weight (g)	0.3

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.

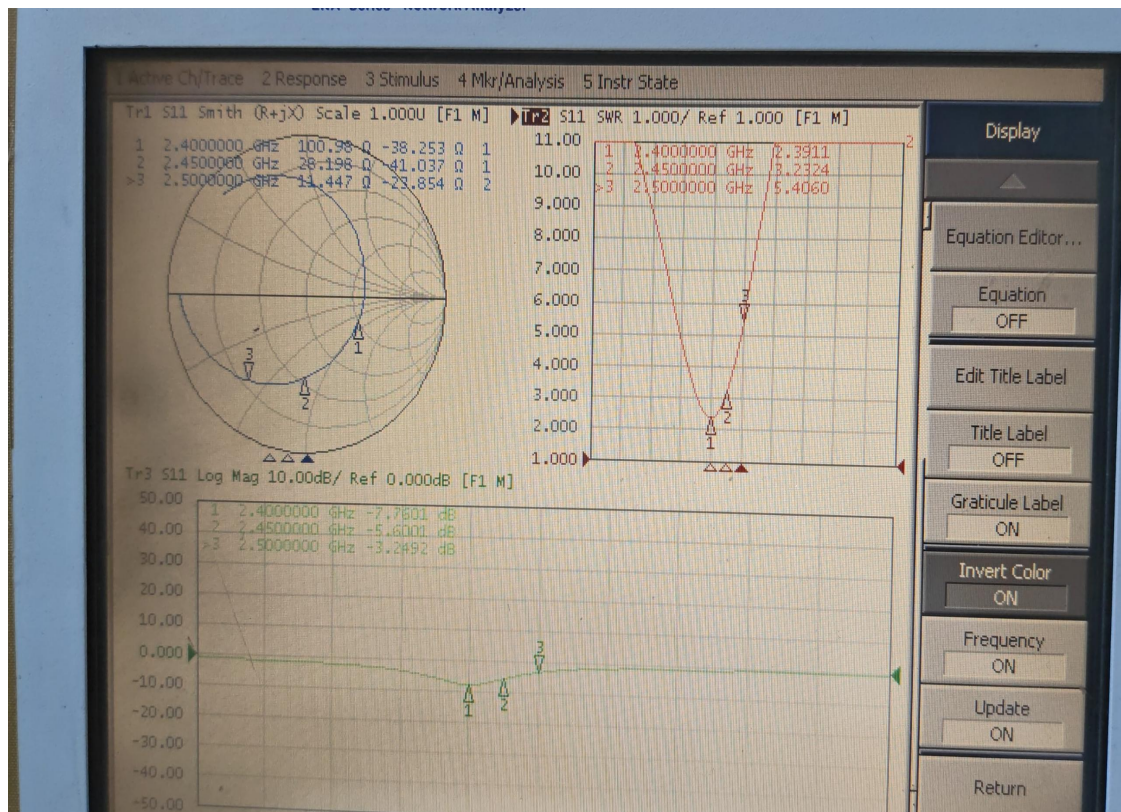
2、PRODUCT PICTURE



3、PRODUCT SPECIFICATION CHART



4、STATIONARY WAVE PATTERN



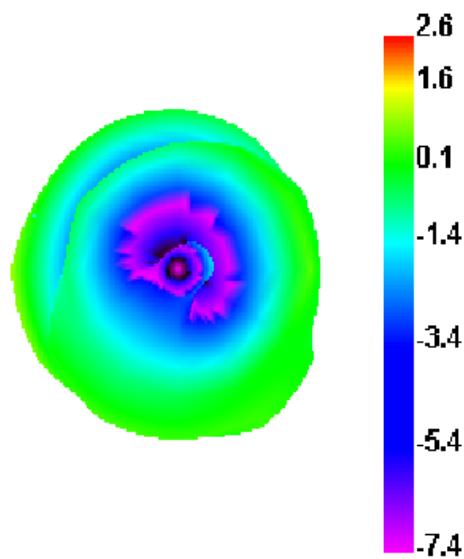
5. Gain and Efficiency:

2.4G

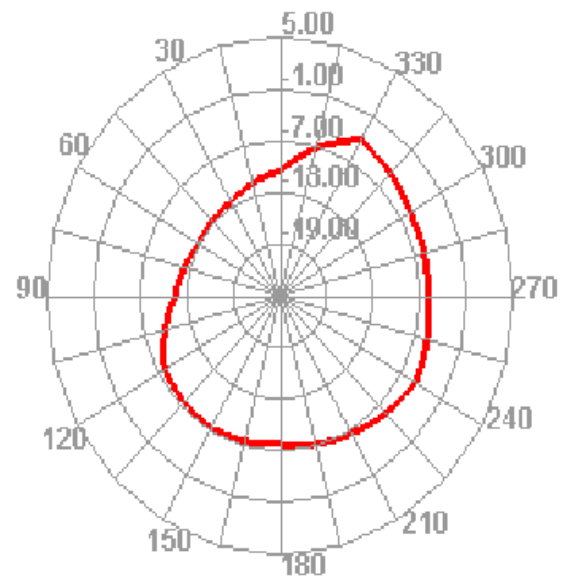
Passive Test For WIFI-2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	40.97	-3.88	2.59	0.44	15.238	25.735	2.59	-17.42	6.46	0	45.1	45.07
2410	32.43	-4.89	1.53	-0.62	12.058	20.375	1.53	-18.56	6.42	0	44.88	44.83
2420	33.2	-4.79	1.99	-0.16	11.94	21.257	1.99	-18.36	6.78	0	44.83	44.71
2430	30.37	-5.18	1.77	-0.38	10.664	19.703	1.77	-18.3	6.95	0	45.16	44.88
2440	29.5	-5.3	1.89	-0.26	10.202	19.297	1.89	-17.62	7.19	0	45.17	44.94
2450	30.97	-5.09	2.2	0.05	10.788	20.177	2.2	-16.95	7.29	0	45.89	45.33
2460	31.92	-4.96	2.38	0.23	11.343	20.582	2.38	-19.46	7.34	0	45.86	45.53
2470	27.92	-5.54	2.09	-0.06	9.792	18.131	2.09	-21.71	7.64	0	45.69	45.39
2480	25.51	-5.93	1.68	-0.47	8.759	16.755	1.68	-27.21	7.62	0	45.73	45.51
2490	25.98	-5.85	2	-0.15	8.72	17.26	2	-27.51	7.86	0	45.96	45.84
2500	21.54	-6.67	1.03	-1.12	7.354	14.183	1.03	-24.19	7.7	0	45.47	45.3

6. Field Pattern

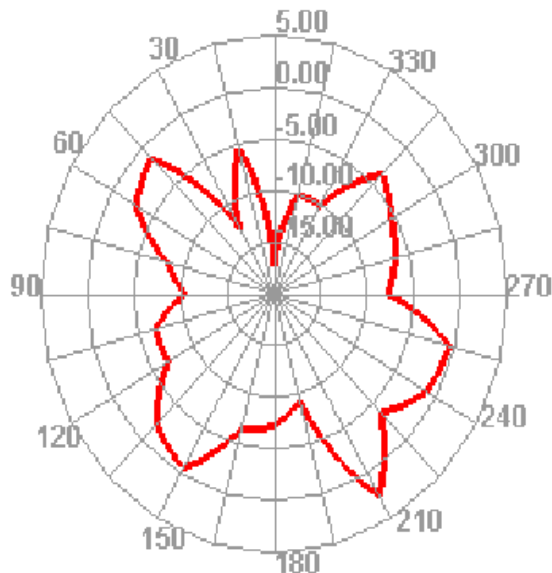
2400.000MHz



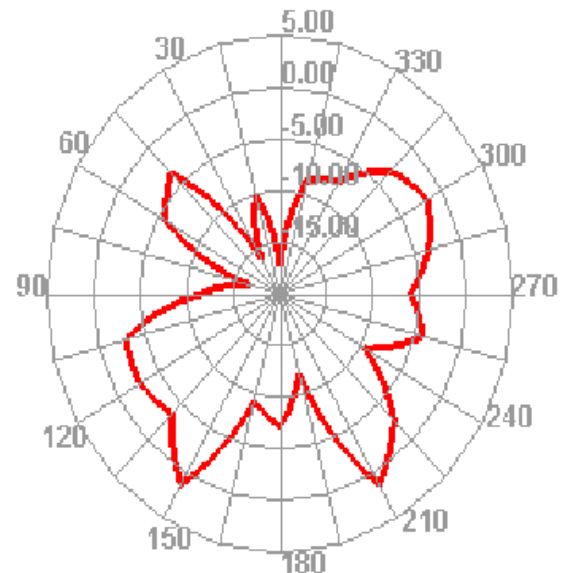
2400.000MHz H



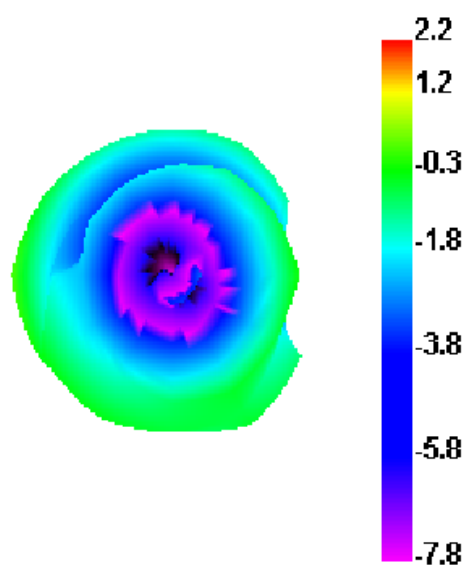
2400.000MHz E1



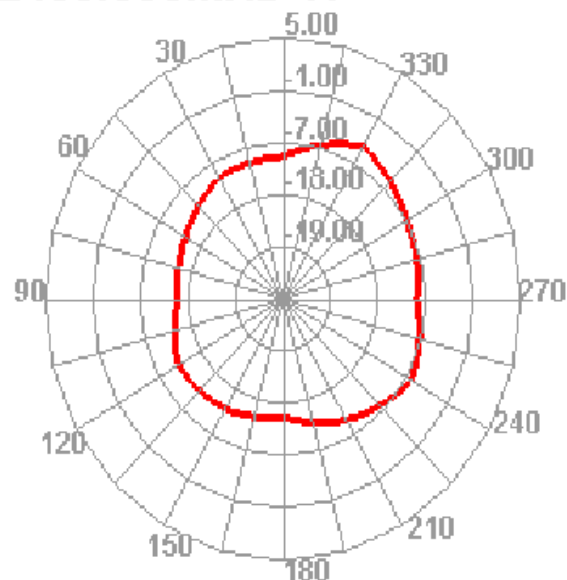
2400.000MHz E2



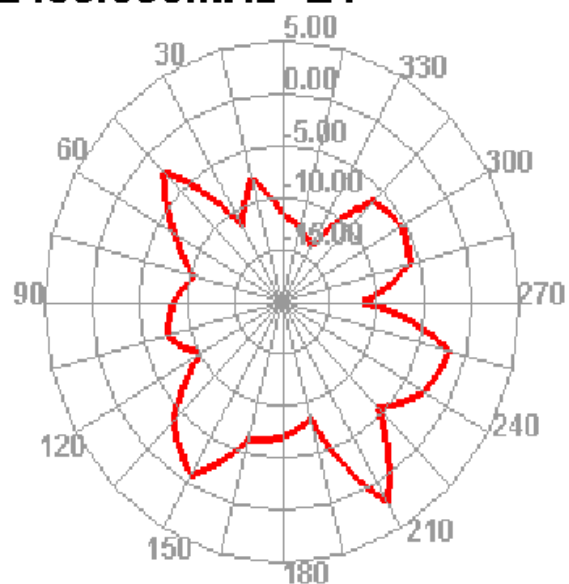
2450.000MHz



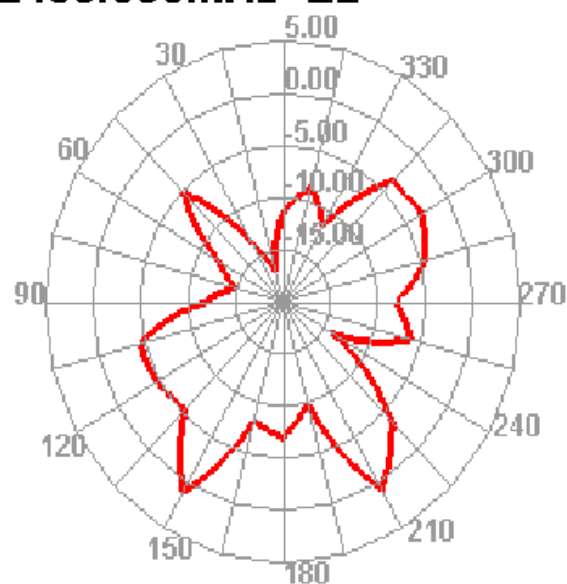
2450.000MHz H



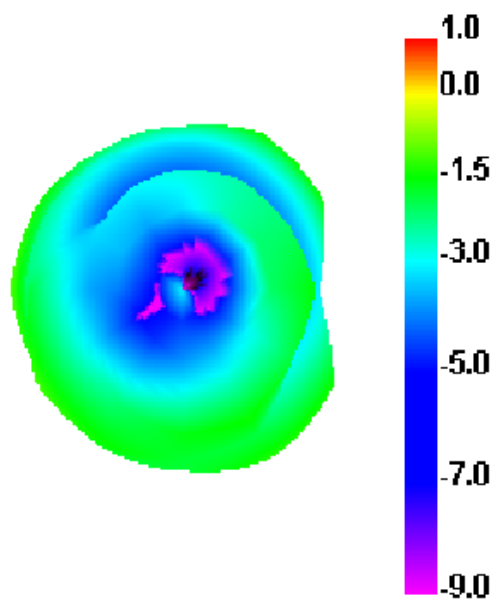
2450.000MHz E1



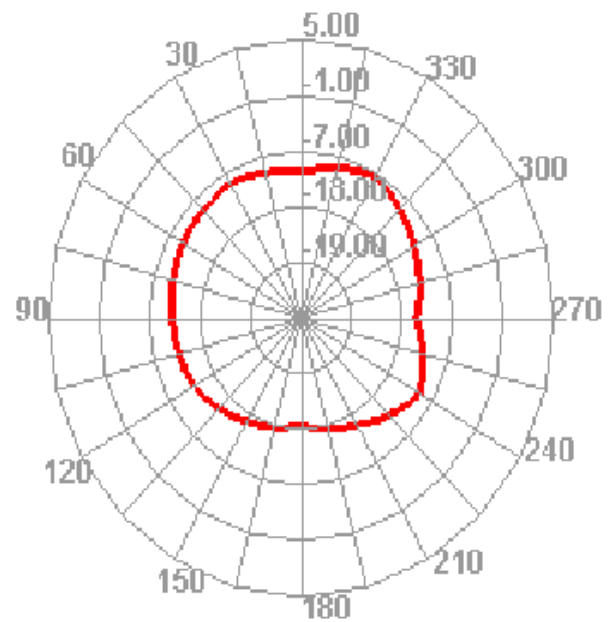
2450.000MHz E2



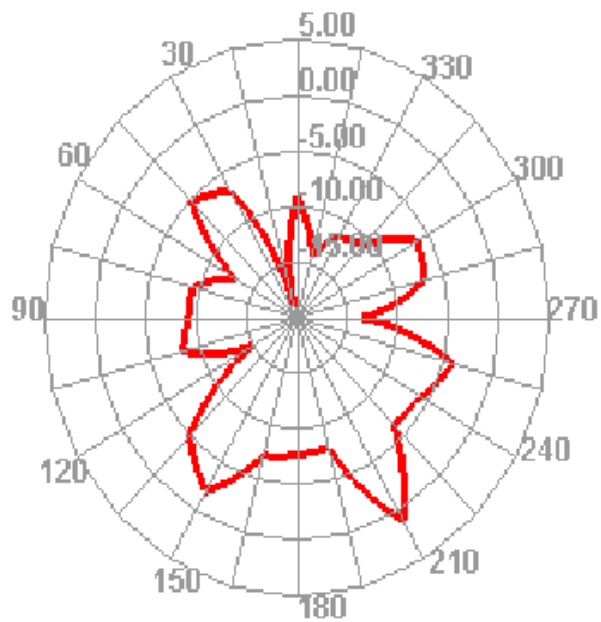
2500.000MHz



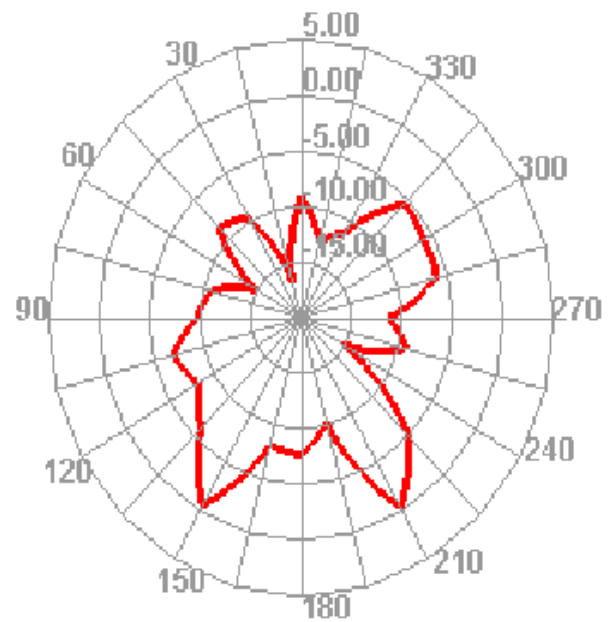
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



7. Antenna test environment :

温度 Temperature	Ordinary Temperature (5 to 35°C)
湿度 Humidity	Ordinary Humidity (25 to 85%RH)

