

R200 Antenna Specification

Model: R200-ANT-2G4

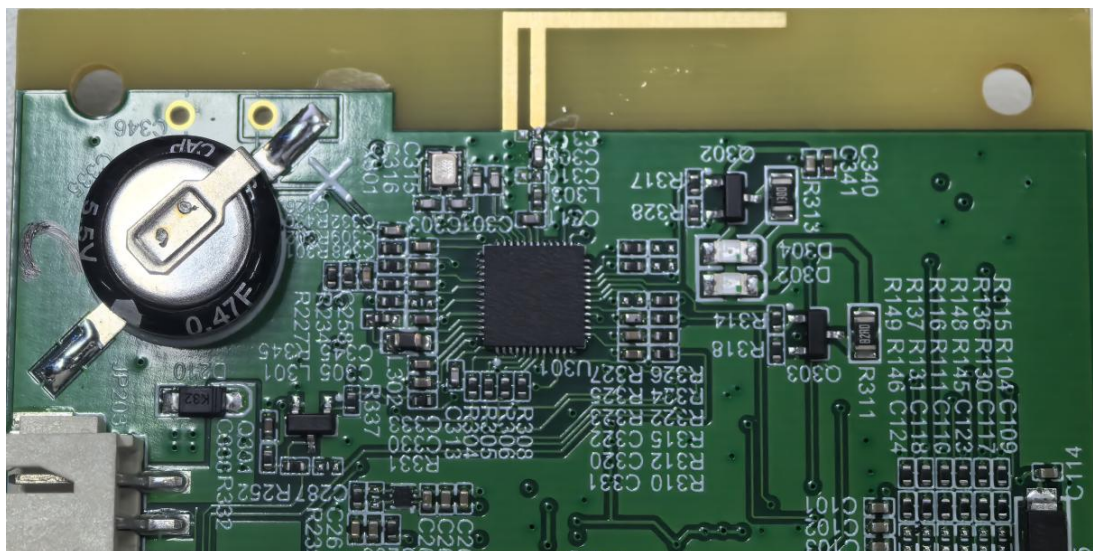
Manufacturer: Chengdu Chendian Intelligent Technology Co., Ltd.
Manufacturer add.: Sichuan, Chengdu, Gaoxinqu Xiqu, Tianchenlu
88Hao, 1Dong 1Danyuan 6022, 6023Hao

一、天线简介/ Introduction of antenna

我司使用的蓝牙/ANT+天线采用集成在 PCB 上的方式，天线为铜箔加沉金工艺，铜厚度：1OZ，板材为 FR-4，厚度 2.0mm，天线工作频段为 2400MHz~2500MHz。

The Bluetooth /ANT+ antenna used by our company is integrated on the PCB. The antenna is made of copper foil with gold plating process. The copper thickness is 1OZ, the board is FR-4, and the thickness is 2.0mm. The working frequency band of the antenna is 2400MHz~2500MHz.

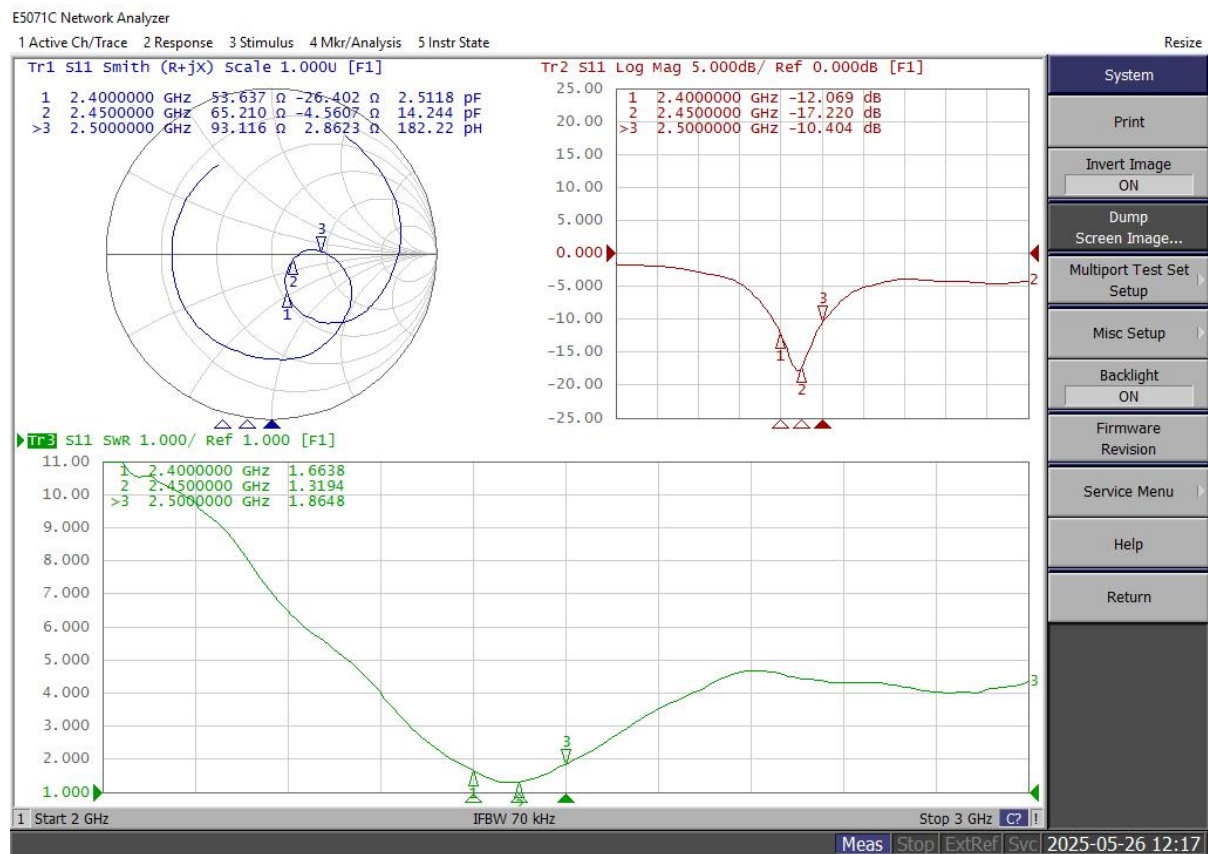
二、天线外形/ Antenna shape



三、天线增益/ Antenna gain

Frequency/ Mhz	Efficiency / %	MaxGain/ dBi	Frequency/ Mhz	Efficiency / %	MaxGain/ dBi
2400	58.61	2.51	2452	57.02	2.8
2402	58.08	2.51	2454	57.15	2.78
2404	56.1	2.48	2456	56.75	2.78
2406	55.59	2.57	2458	57.02	2.77
2408	57.41	2.69	2460	56.36	2.75
2410	56.89	2.74	2462	58.21	2.96
2412	56.1	2.59	2464	57.54	3.08
2414	58.21	2.59	2466	58.08	3.1
2416	58.75	2.65	2468	58.75	3.07
2418	58.08	2.65	2470	60.39	3.03
2420	57.15	2.56	2472	57.15	2.71
2422	59.16	2.65	2474	53.83	2.35
2424	59.02	2.85	2476	51.88	2.25
2426	59.84	3.02	2478	52	2.45
2428	59.98	3.09	2480	52.97	2.66
2430	58.75	2.97	2482	54.58	2.83
2432	56.1	2.66	2484	56.75	2.99
2434	54.2	2.39	2486	57.94	2.96
2436	53.7	2.37	2488	57.54	2.86
2438	54.7	2.58	2490	56.36	2.67
2440	56.62	2.76	2492	57.41	2.78
2442	57.41	2.77	2494	57.94	2.82
2444	57.28	2.8	2496	57.68	2.83
2446	57.41	2.86	2498	57.54	2.9
2448	57.81	2.92	2500	58.48	3.02
2450	57.81	2.89			

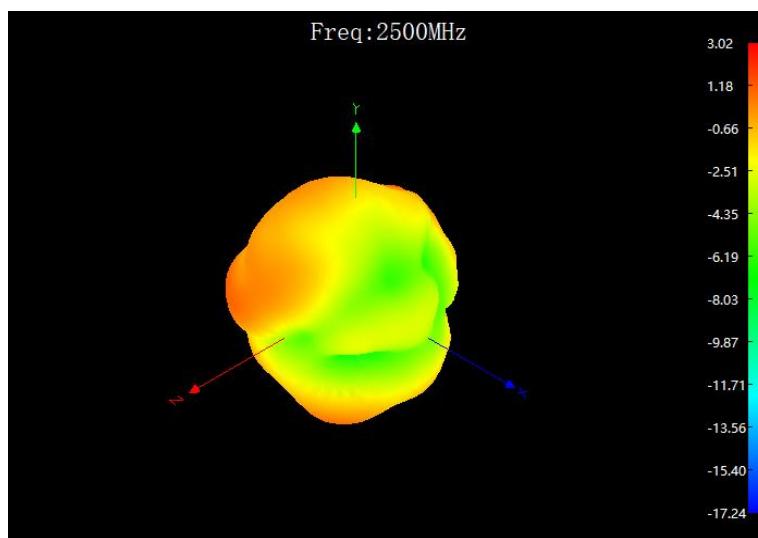
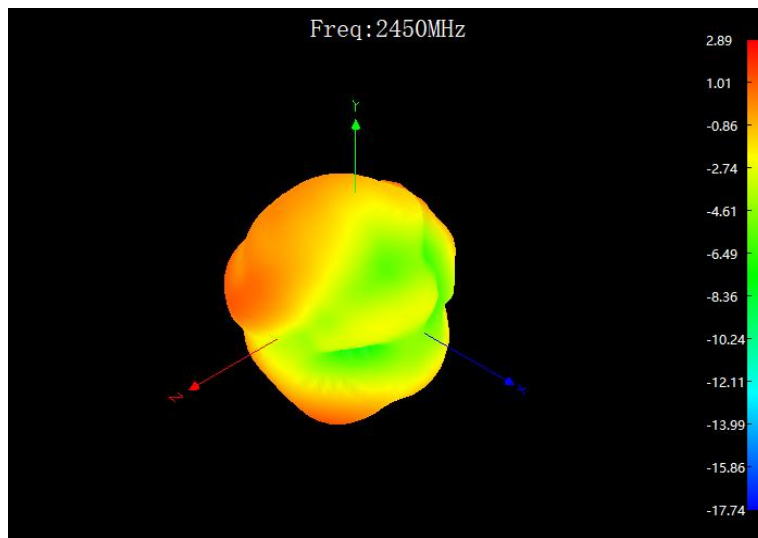
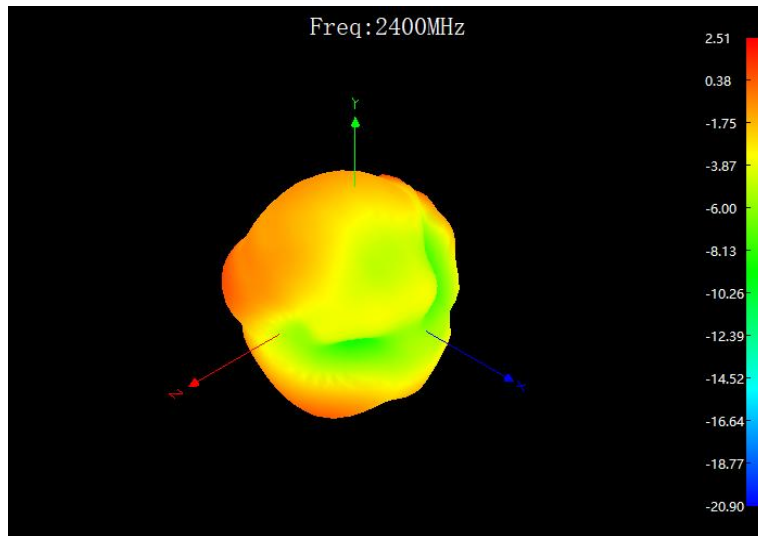
四、S11测试结果/Test result



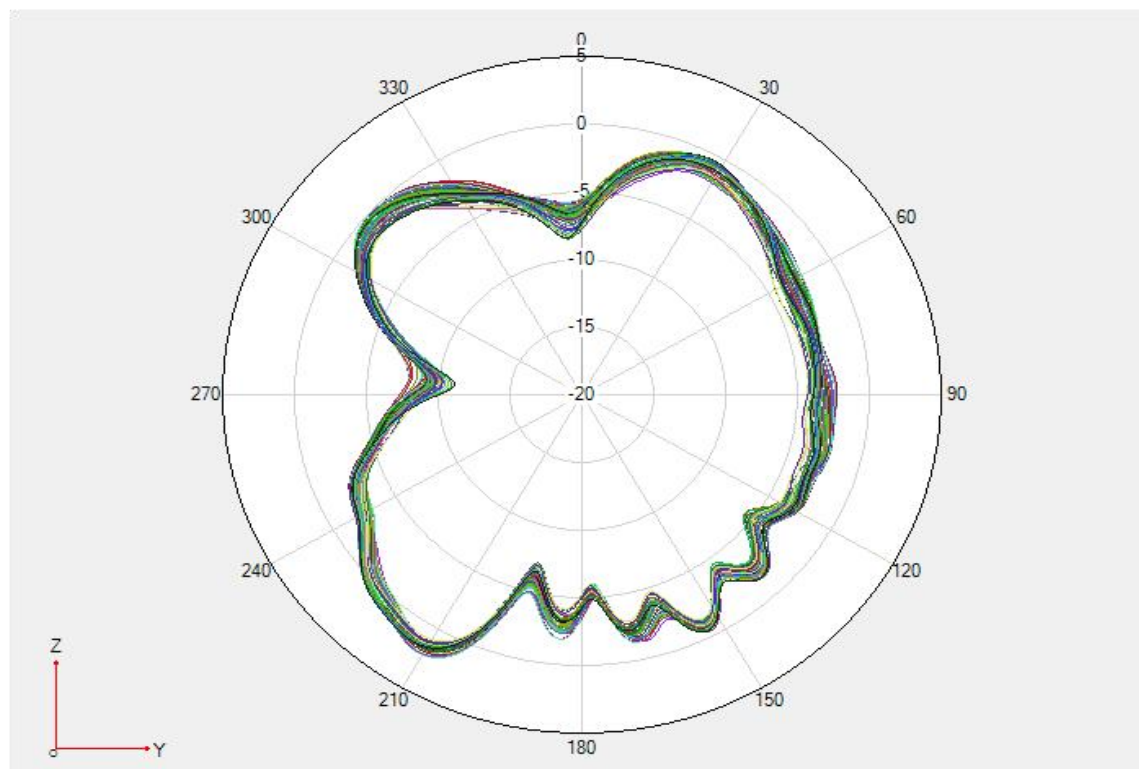
Frequency	VSWR
2400MHz-2500MHz	≤2.0

五、方向图/ Directional map

- 3D



- E面



- H面

