

深圳市泓德致新科技有限公司

Shenzhen Hongde Zhixin Technology Co., LTD

规格承认书
APPROVAL SHEET

客户：深圳升迈电子有限公司			项目名：B260	
频段：WGB		日期：2024.05.16		版本：R:A
研发	结构：诸葛冲			批准：张林
	射频：孙建			
客户审核：			客户批准：	

Shenzhen Shengmai Electronics Co., LTD			Project Name: B260	
Frequency band: WGB		May 16, 2024	Version: R:A	
Date				
Research and development	structure: Zhuge Chong		Approval: Zhang Lin	
	Radio Frequency: Sun Jian			
Customer Audit:			Customer approval	

HD-B260-WIFI 黑色 0.81L=90mm 4代端子

HD-B260-WIFI black 0.81L=90mm 4th generation

terminal

contents

contents	2
1. PROJECT INFORMATION AND ELECTRICAL SPECIFICATION	3
1-1 Project picture	3
1-2 Frequency Band:	3
1-3 Impedance matching	3
2. VSWR	4
2-1 Measuring Method:	4
2-2 S11 parameter values	4
3. EFFICIENCY AND GAIN	4
3-1 Efficiency/Gain- WIFI.....	5
4. THE PRODUCTION INDEX	7
5. STRUCTURAL DRAWINGS	错误！未定义书签。

Frequency Band	MHz
WiFi/BT 频率	2380-2500 4900~5800
天线增益	3.26dBi/1.37dBi
天线最大功率	15.38dbi
调试类别	同轴线+FPC 焊接
无线通讯标准	802.11
Frequency Band	MHz
WFi/BT Frequency	2380-2500 4900~5800

Antenna Gain	3.26dBi/1.37dBi
Antenna Maximum Power	15.38dbi
Debugging category	Coaxial +FPC welding
Wireless communication standard	802.11

1. Project information and Electrical Specification

Those specifications were specially defined for 2.4G model, and all characteristics were measured under the model's handset testing jig .

1-1Antenna picture

1-2 Frequency Band:

Frequency Band	MHz
2.4G/5G	2400-2500 4900~5800

1-3 Impedance matching

天线原匹配

2.VSWR

2-1 Measuring Method:

1. A 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,
2. Keeping this jig away from metal at least 20cm.

2-2 S11 parameter values

频率 (MHZ) frequency	2400	2450	5100	5800
驻波 standing wave	1.3	1.2	1.38	1.52



3. Efficiency and Gain

*measuring and test instruments:

微波暗室, Agilent 网络分析仪, Agilent 频谱分析仪, 8960 综合测试仪, 标准天线
Microwave anechoic chamber, Agilent network analyzer, Agilent spectrum analyzer, 8960 comprehensive tester, standard antenna

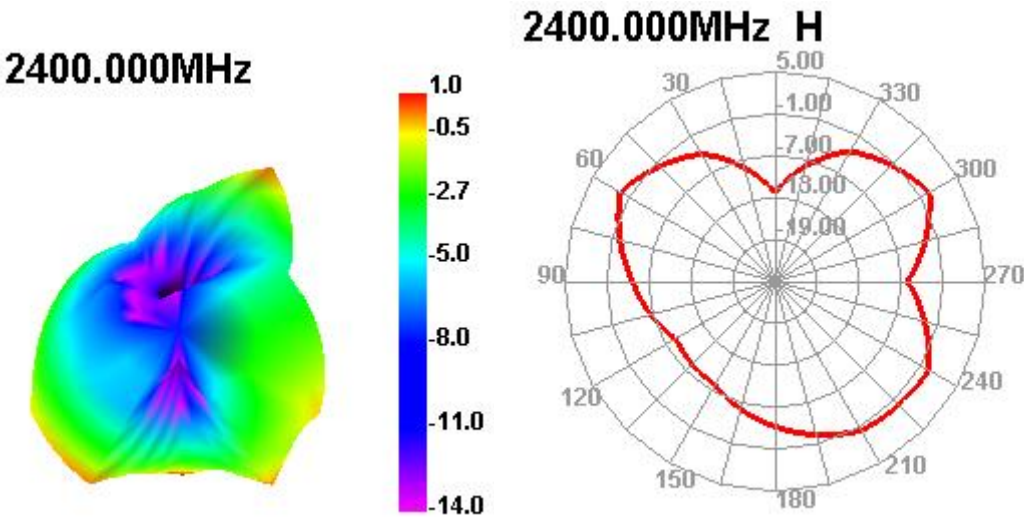
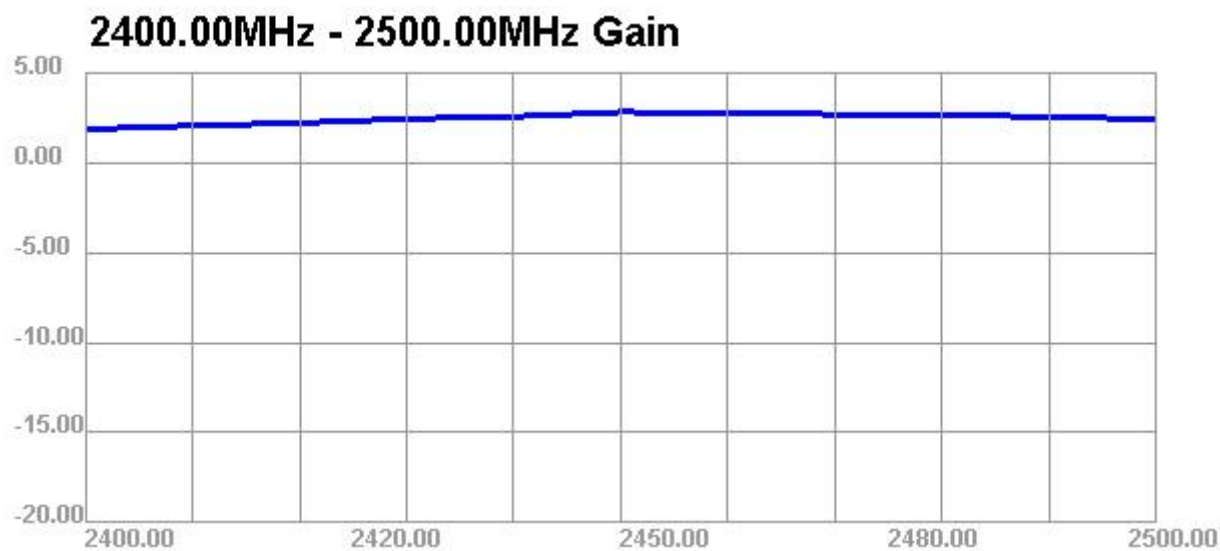
*test method:

equipment 以 H 面放于转台中心位置固定, 与喇叭天线中心位置在同一个水平线上。

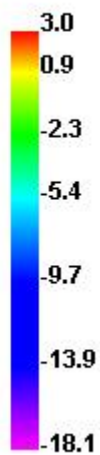
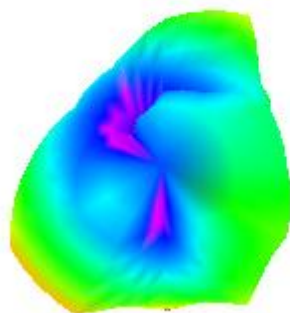
The equipment is placed at the center of the turntable on the H plane and fixed, on the same horizontal line as the center of the horn antenna

3-1 Efficiency/Gain- WIFI

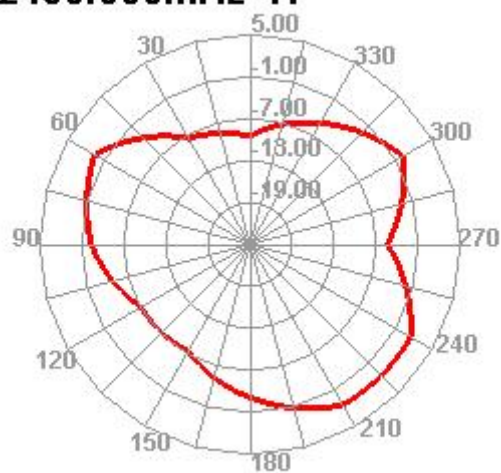
Passive Test For wifi2.4G-2								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	49.29	-3.07	1.01	-1.14	1.01	-13.99	51.11	50.57
2450	53.42	-2.72	3.01	0.86	3.01	-18.1	51.94	51.53
2500	51.25	-2.9	3.26	1.11	3.26	-17.39	51.98	51.64



2450.000MHz



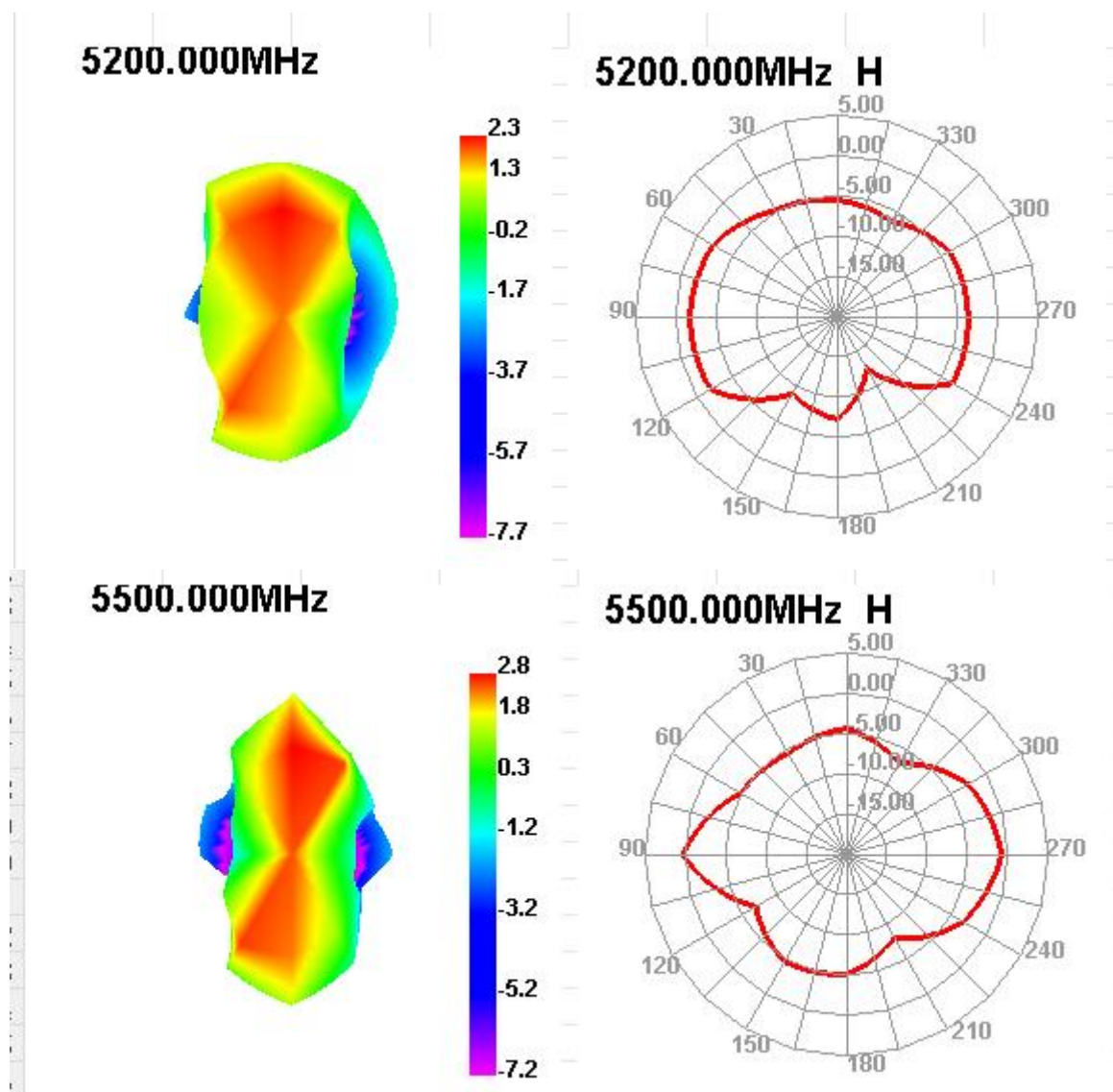
2450.000MHz H



Passive Test For D6									
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	irectivityB (dBi)
5150	41.83	-3.78	1.18	-0.97	24.883	16.952	1.18	-11.82	4.97
5500	43.45	-3.62	1.37	-0.78	25.318	18.129	1.37	-13.67	4.99
5650	42.21	-3.75	1.15	-1	23.662	18.548	1.15	-17.14	4.89
5800	41.57	-3.81	1.13	-1.02	22.572	18.996	1.13	-15.95	4.95
5850	45.18	-3.45	1.13	-1.02	24.137	21.041	1.13	-13.32	4.58

5150.00MHz - 5850.00MHz Efficiency





4. The production index

天线量产时，以驻波比作为量产测试标准。

根据项目本身的差异,给出如下标准:

When antennas are mass-produced, the standing wave ratio is used as the mass production test standard.

Based on the differences of the projects themselves, the following standards are provided

频率	量产标准
WIFI (2400-2500 4900-5800)Mhz	VSWR (量产产品) < VSWR(设计样品)+0.5

