



深圳市亿嘉欣盛科技有限公司

Shenzhen YiJiaXinSheng Technology Co., Ltd.

产 品 规 格 书

客 户： 国华

物料编码：

品 名： DM16J

规 格： WIFI-A: 33.10*16.20mm, 阻焊黑油, 线长 90mm+IPEX, ϕ 1.13mm, 黑色;

WIFI-B: 33.10*16.80mm, 阻焊黑油, 线长 90mm+IPEX, ϕ 1.13mm, 黑色

日 期： 2022-05-07

客户确认/日期

地址: 深圳市光明区公明街道冠城低碳产业园 G 栋 8 楼

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目 录

1. 规格书概述.....	3
2. 外观.....	3
3. 电性能.....	3
3.1. 天线频段.....	3
3.2. 匹配电路.....	3
3.3. 阻抗要求.....	3
3.4. 天线无源测试数据.....	4
4. 天线位置.....	12
5. 天线结构.....	13

1. 承认书概述

该承认书描述了国华 DM16J 机顶盒的 WIFI 天线状况，其频段为 **2.4G/5GHz**，厂家为深圳市亿嘉欣盛科技有限公司。

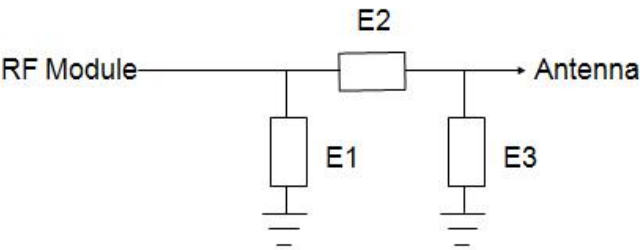
2. 产品图片

3. 电性能

3.1 天线频段

发射/接收频段(GHz)	WIFI	
	2.4G~2.5G	5.1G~5.9G

3.2 匹配电路



Element	Value
E1(0402)	原匹配
E2(0402)	原匹配
E3(0402)	原匹配

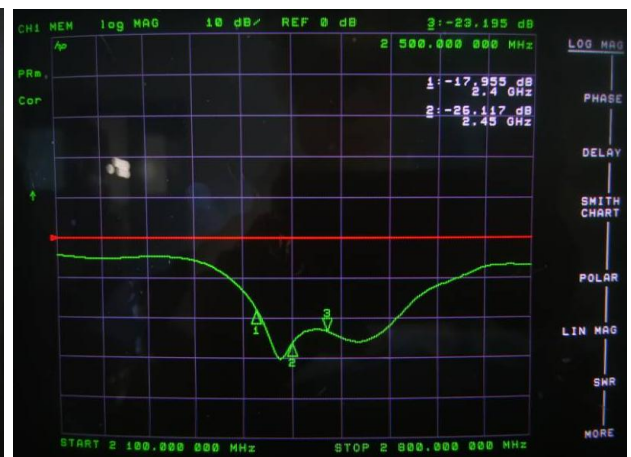
3.3 阻抗要求
50 ohm

3.4 天线无源测试数据:

WIFI-A 2.4G 电性能数据:

Electrical Properties	
Frequency	2.4G-2.5G
Impedance	50 ohm Nominal
V.S.W.R	1:1.10 Max
Return Loss	-25.79dBMax
Radiation	Omni-directional
Polarization	Linear, Vertical

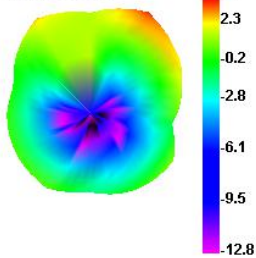
VSWR&Return Loss&Smith Chart:



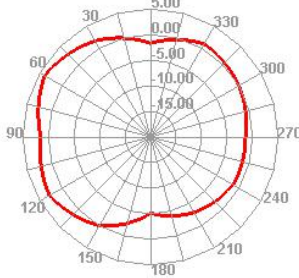
效率、增益、方向性:

Passive Test For wifi 2.4G						
Freq	Effi	Effi	Gain	Gain	Max	Min
(MHz)	(%)	(dB)	(dBi)	(dBd)	(dB)	(dB)
2400	70.66	-0.93	3.91	1.76	3.95	-12.81
2450	65.5	-0.68	2.66	0.51	2.66	-11.24
2500	64.03	-0.76	2.97	0.82	2.97	-11.62

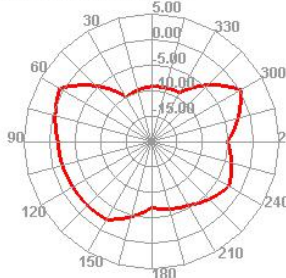
2400.000MHz



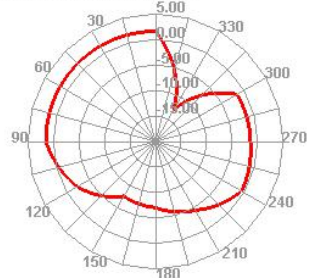
2400.000MHz H



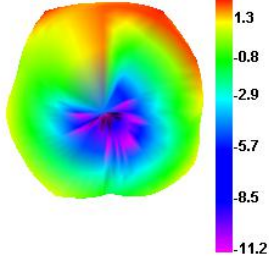
2400.000MHz E1



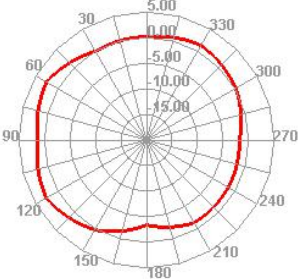
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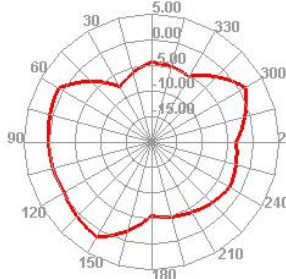
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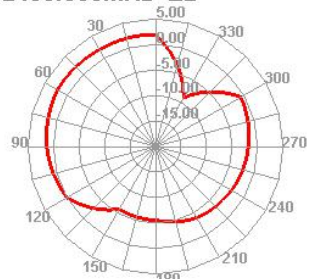
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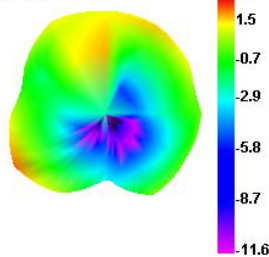
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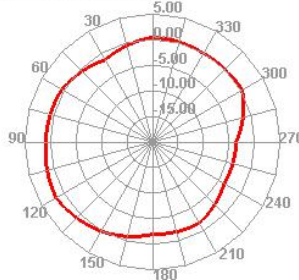
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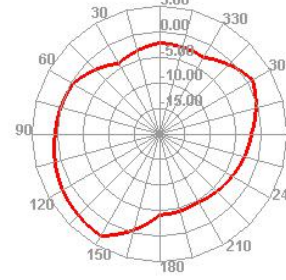
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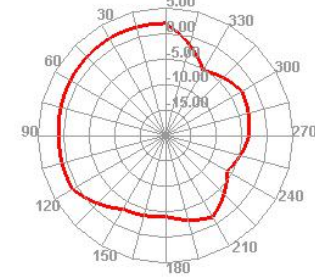
2500.000MHz H



2500.000MHz E1



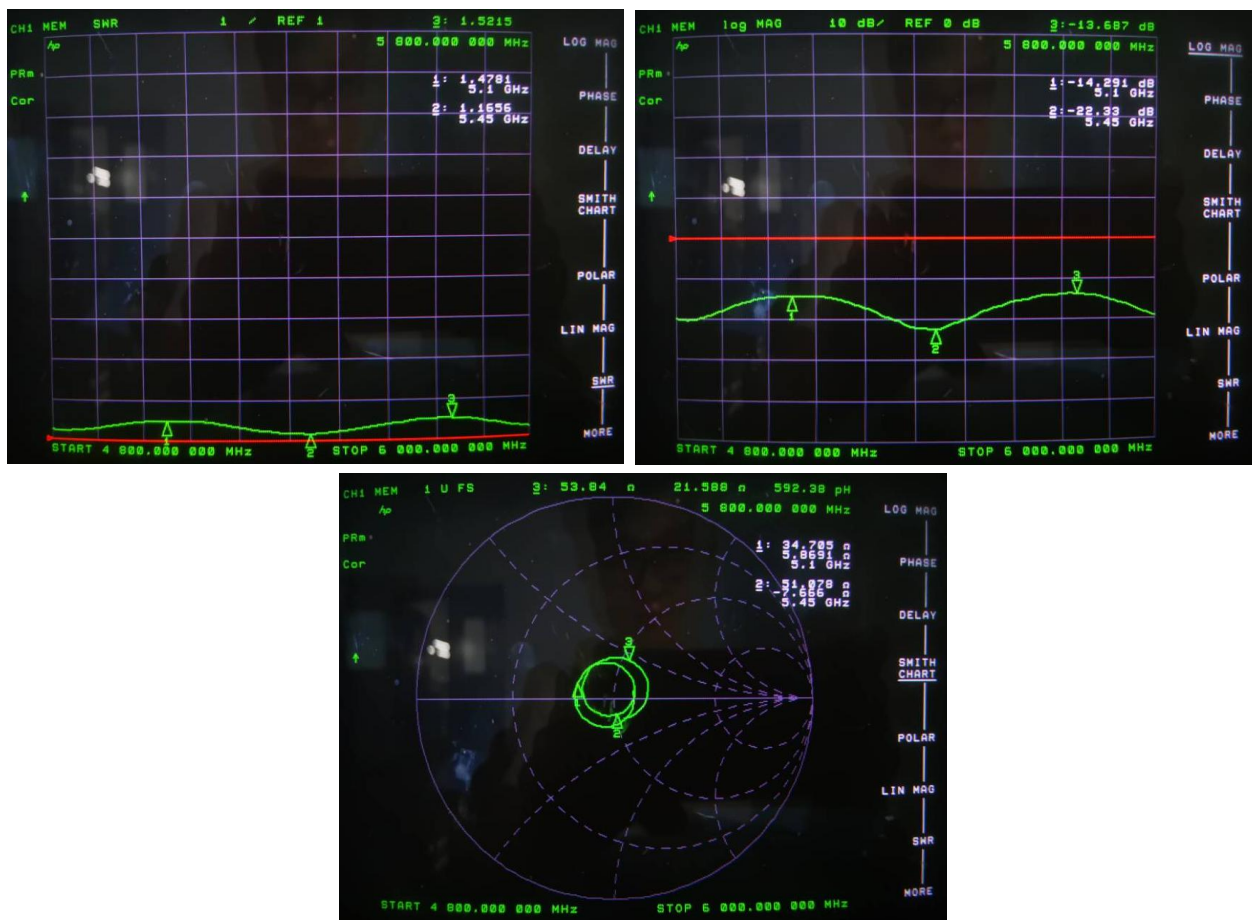
2500.000MHz E2



WIFI-A 5G 电性能数据:

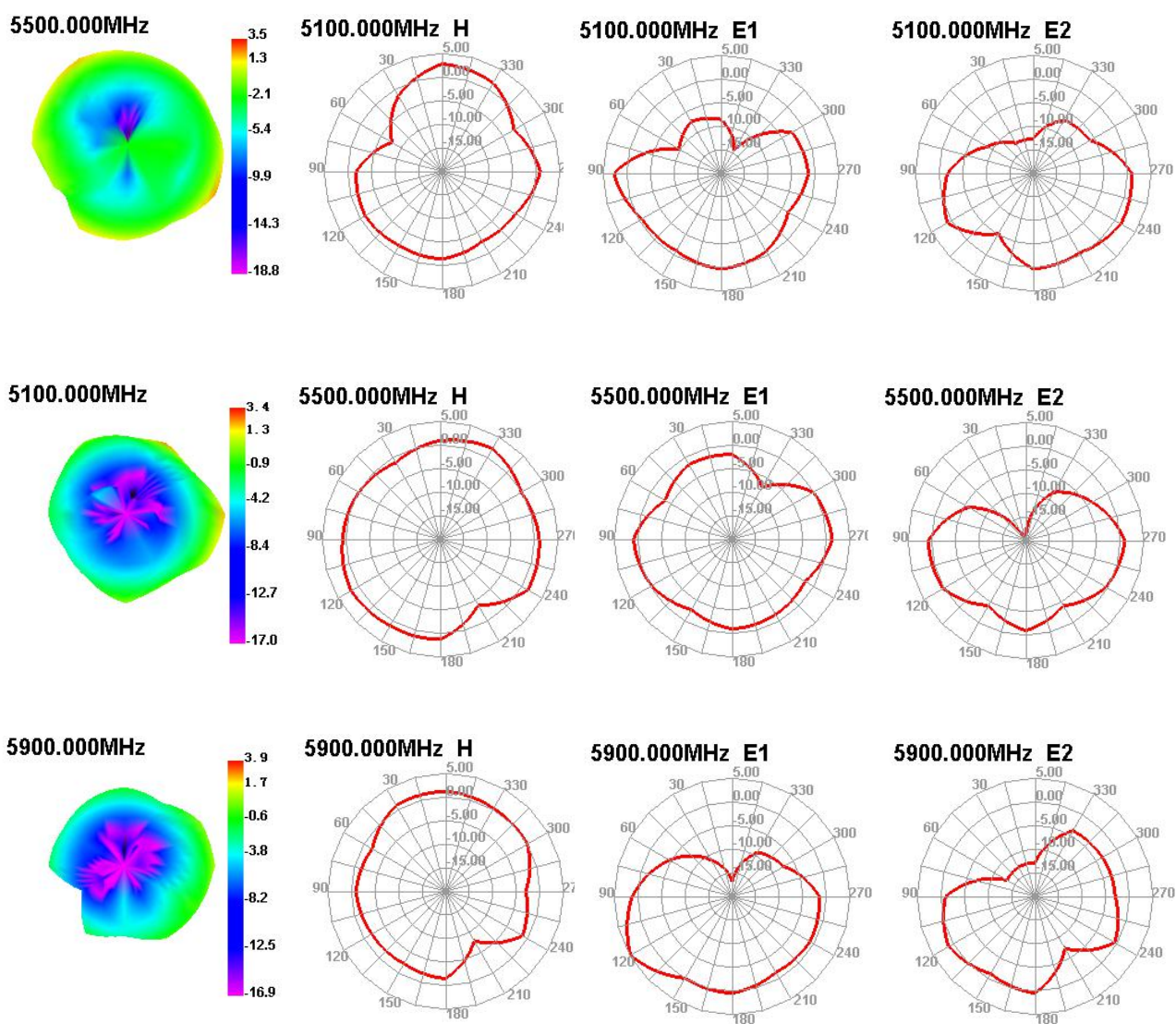
Electrical Properties	
Frequency	5.15G-5.85G
Impedance	50 ohm Nominal
V.S.W.R	1:1.16 Max
Return Loss	-22.33dBMax
Radiation	Omni-directional
Polarization	Linear,Vertical

VSWR&Return Loss&Smith Chart:



效率、增益、方向性:

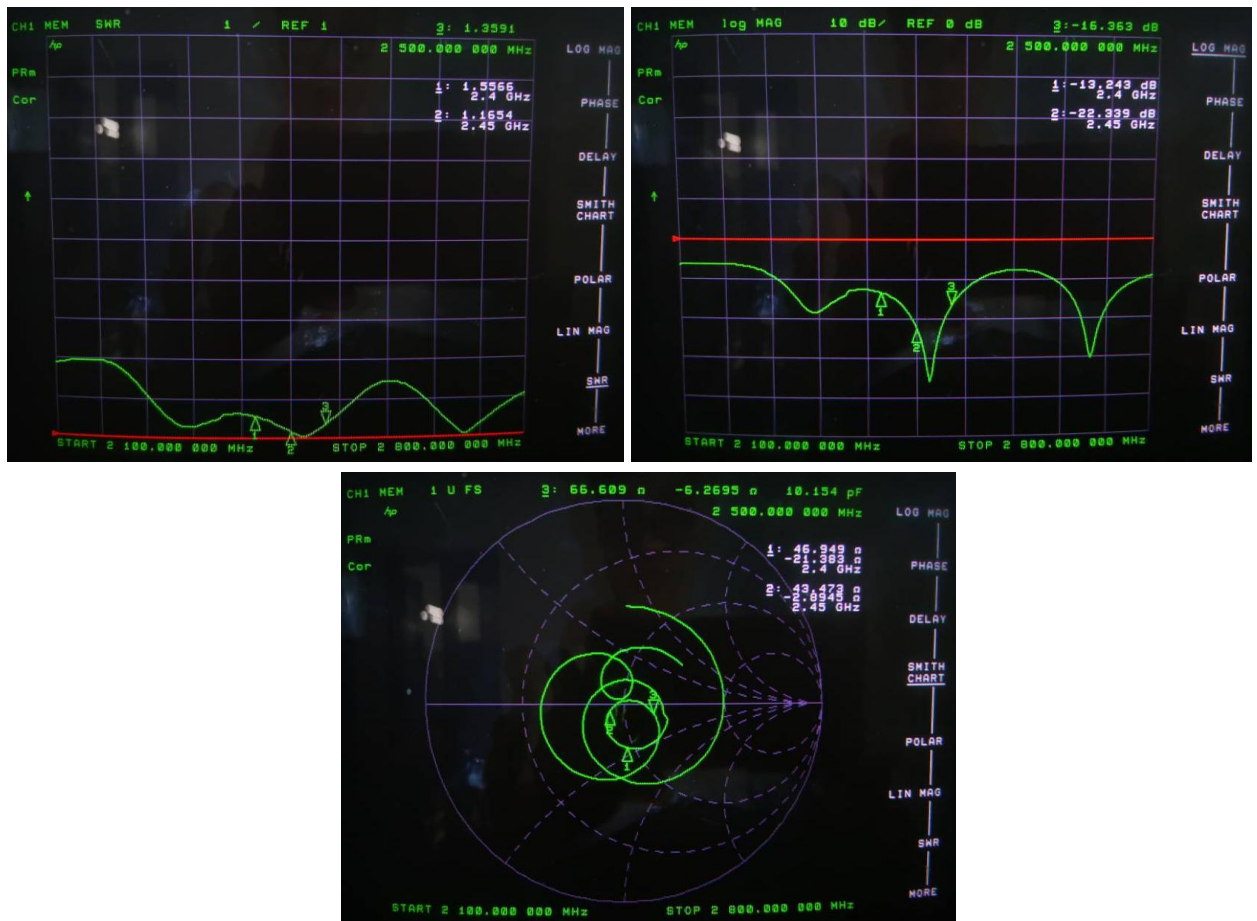
Passive Test For wifi 5G						
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)
5100	67.49	-1.71	3.4	1.25	3.4	-16.99
5500	64.67	-1.27	3.49	1.34	3.49	-18.81
5900	59.75	-2.24	3.86	1.71	3.86	-16.9



WIFI-B 2.4G 电性能数据:

Electrical Properties	
Frequency	2.4G-2.5G
Impedance	50 ohm Nominal
V.S.W.R	1:1.16 Max
Return Loss	-22.33dBMax
Radiation	Omni-directional
Polarization	Linear, Vertical

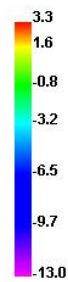
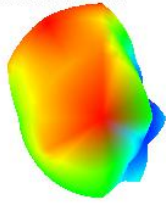
VSWR&Return Loss&Smith Chart:



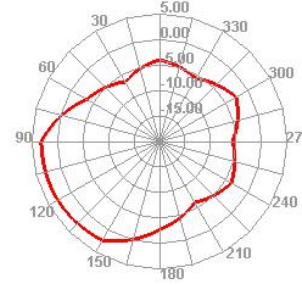
效率、增益、方向性:

Passive Test For wifi 2.4G						
Freq	Effi	Effi	Gain	Gain	Max	Min
(MHz)	(%)	(dB)	(dBi)	(dBd)	(dB)	(dB)
2400	72.04	-1.42	3.26	1.11	3.26	-12.98
2450	75.87	-1.2	3.41	1.26	3.41	-15.23
2500	63.43	-1.98	2.31	0.16	2.31	-14.12

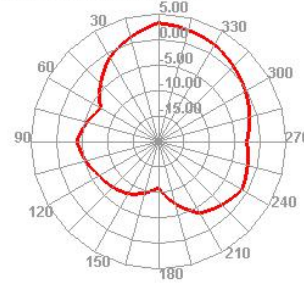
2400.000MHz



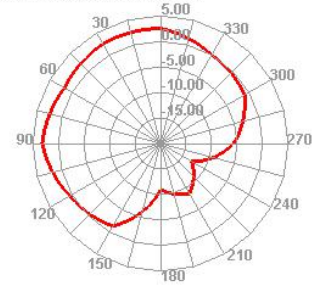
2400.000MHz H



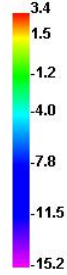
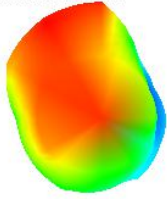
2400.000MHz E1



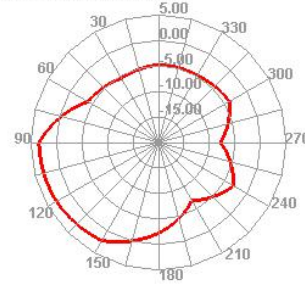
2400.000MHz E2



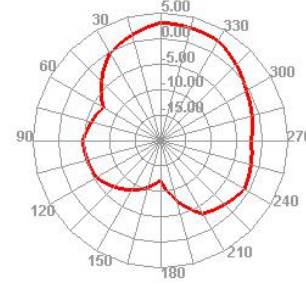
2450.000MHz



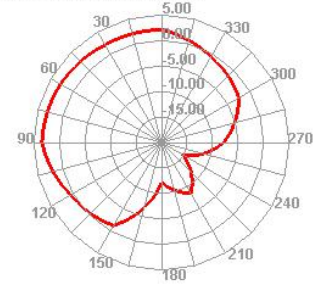
2450.000MHz H



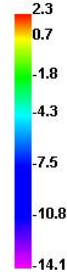
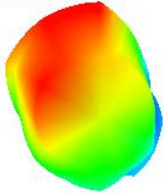
2450.000MHz E1



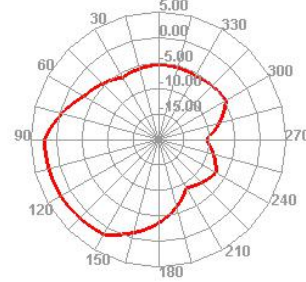
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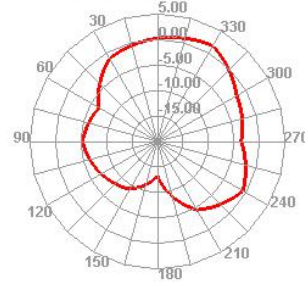
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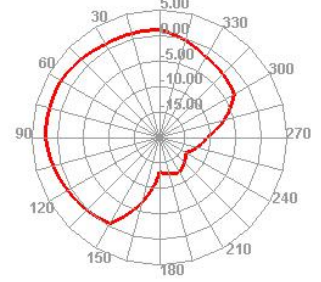
2500.000MHz H



2500.000MHz E1



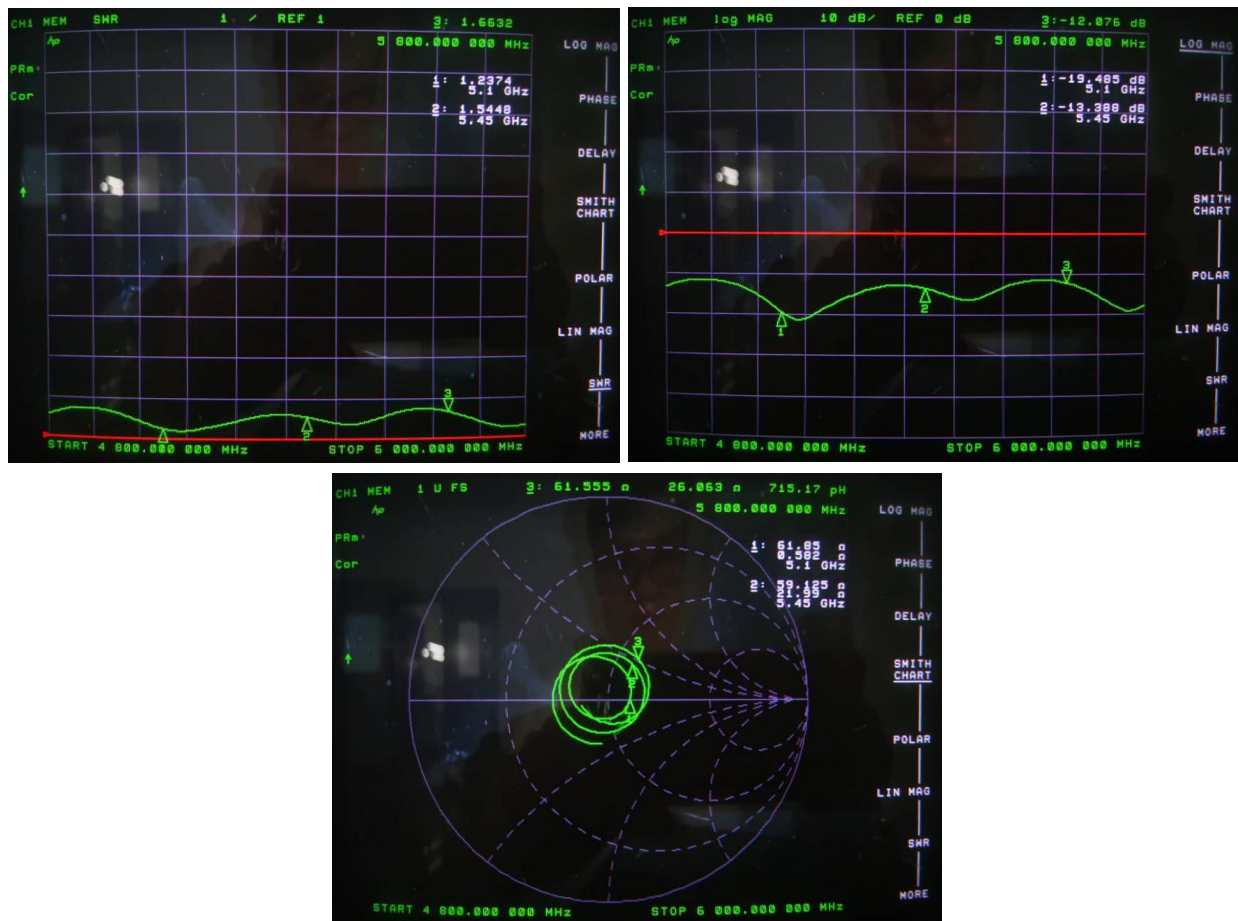
2500.000MHz E2



WIFI-B 5G 电性能数据:

Electrical Properties	
Frequency	5.15G-5.85G
Impedance	50 ohm Nominal
V.S.W.R	1:1.23 Max
Return Loss	-19.48dBMax
Radiation	Omni-directional
Polarization	Linear,Vertical

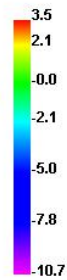
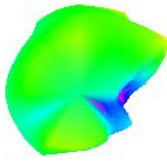
VSWR&Return Loss&Smith Chart:



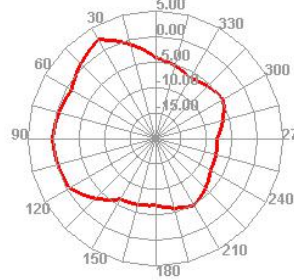
效率、增益、方向性:

Passive Test For wifi 5G						
Freq	Effi	Effi	Gain	Gain	Max	Min
(MHz)	(%)	(dB)	(dBi)	(dBd)	(dB)	(dB)
5100	64.33	-1.92	3.52	1.37	3.52	-10.65
5500	63.25	-1.99	2.74	0.59	2.74	-12.07
5900	64.06	-1.93	3.65	1.5	3.65	-17.99

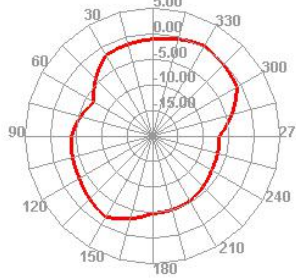
5100.000MHz



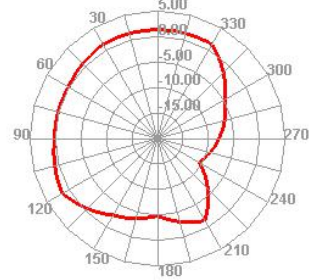
5100.000MHz H



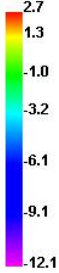
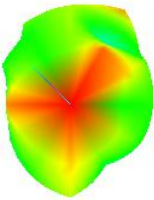
5100.000MHz E1



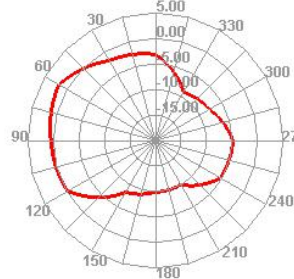
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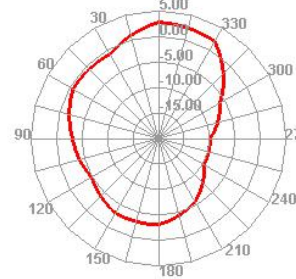
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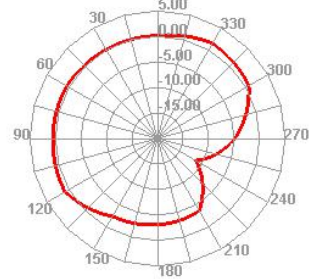
5500.000MHz H



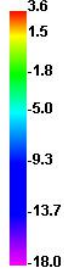
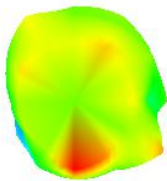
5500.000MHz E1



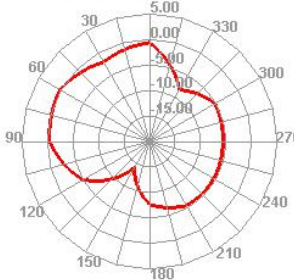
5500.000MHz E2



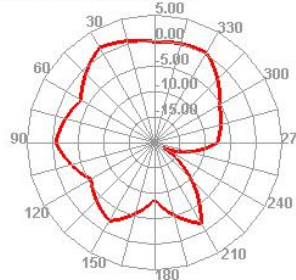
5900.000MHz



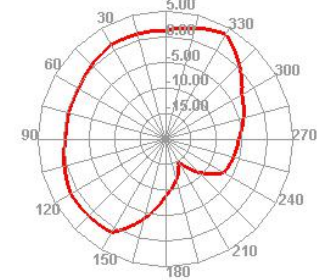
5900.000MHz H



5900.000MHz E1

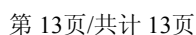


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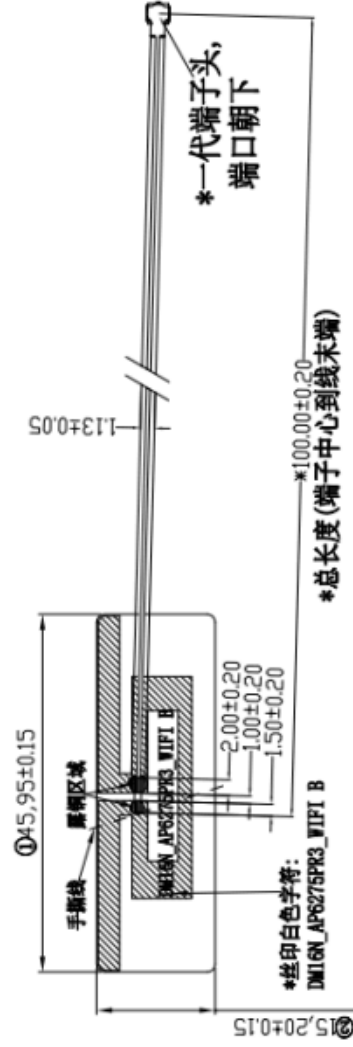


4.天线位置





WIFI B



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电解铜一对半哑黑

天频智能物联科技（深圳）有限公司

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