

# Red Dot Information Technology (Shenzhen) Co., Ltd

customer name: Shenzhen Guancheng Zhi Technology Co., LTD

Customer Model: \_\_\_\_\_

Customer Material Number: \_\_\_\_\_

Customer Specification Description: \_\_\_\_\_

Red dot material number: HD.T G -5.0-28.5-107-27

Red dot specification description: 2.4G copper tube  
antenna 1.13 Gray line, total length  
107mm

## acknowledgement

Confirm the signature and seal					
Red dot confirmation			Customer confirmation		
Sample making	examine and verify	ratify	test and verify	examine and verify	ratify
Zhou Luchao	Left qiang	Zhang Dongmei			
Red dot signature cover sheet			Customer signature sheet		

date	2022-05-04	date	2022-05-04
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Red Dot Information Technology (Shenzhen) Co., Ltd

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## 2. Document formulation / revision / abolition of the resume

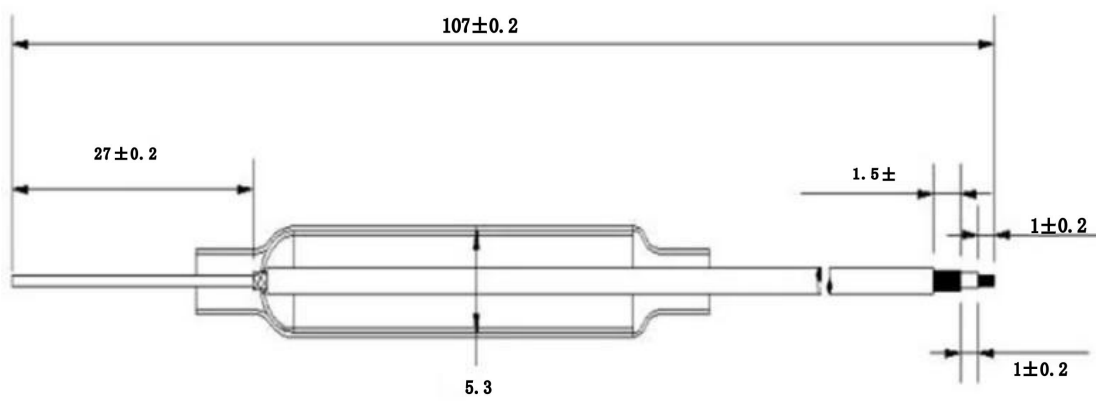
editi on	date	Make / revise the content	lay down	approv al	remarks
A 1	2022.05.04		Zhou Luchao	Left qiang	

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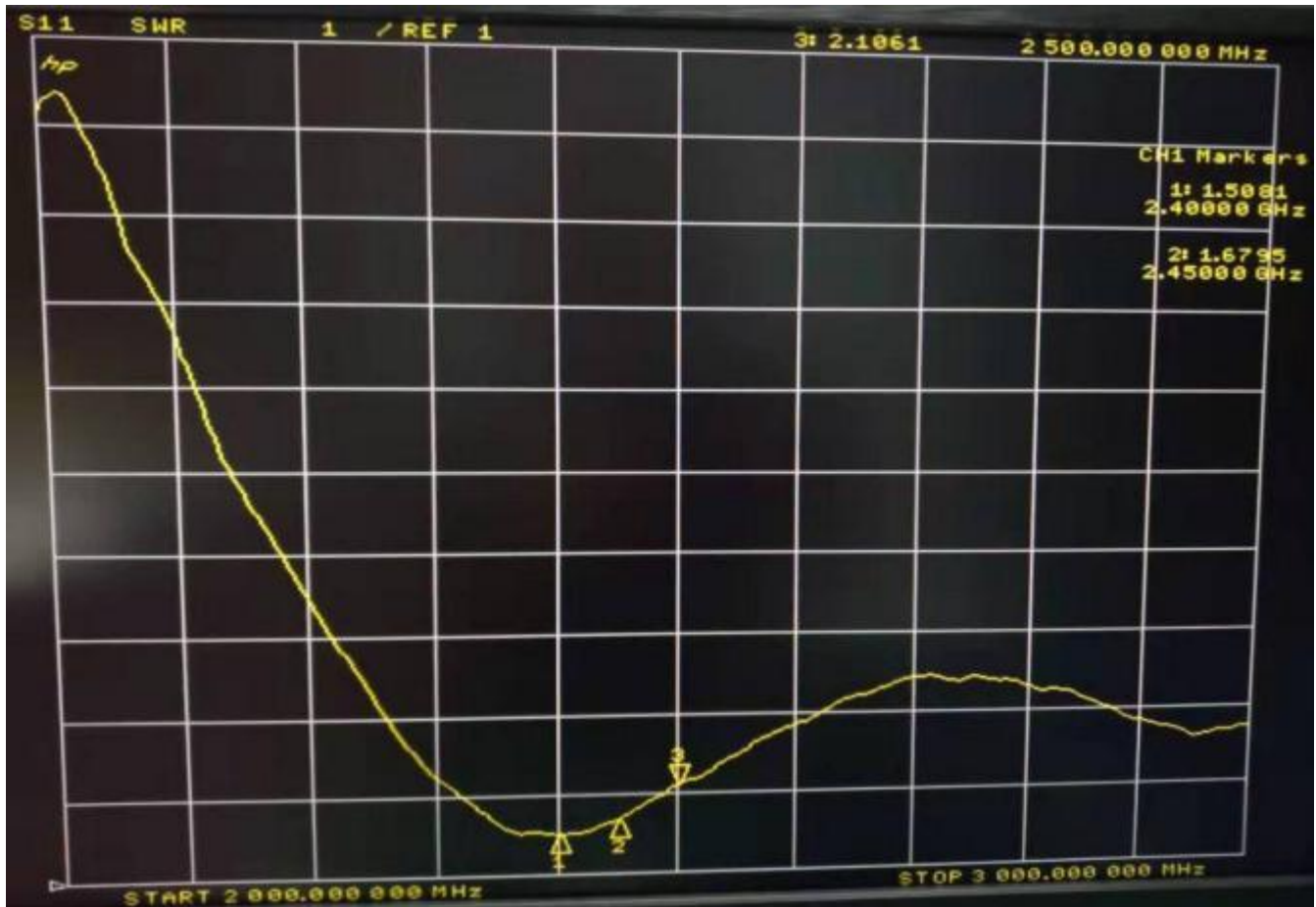
4. Product drawings Unit: mm



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## 5. passive performance test parameters

Frequency (MHz)	2400	2450	2500
V SWR	1.5	1.67	2.1

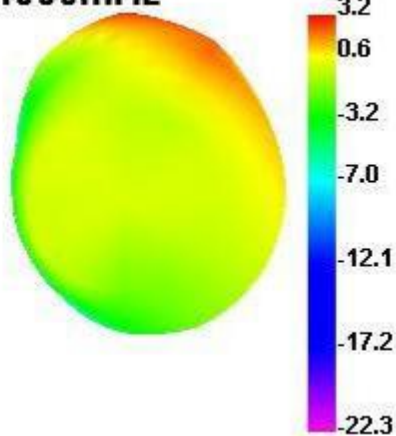


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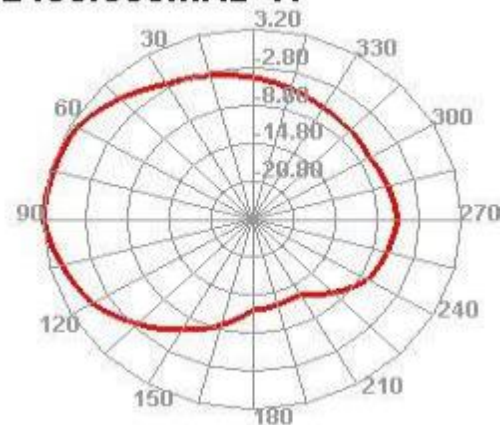
## 6, 2D, 3D, and performance Fig

Passive Test For WIFI2.4								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)
2400	55.29	-2.57	3.08	0.93	28.28	27.014	3.08	-18.25
2410	61.2	-2.13	3.47	1.32	30.896	30.3	3.47	-19.3
2420	63.94	-1.94	3.53	1.38	31.939	31.999	3.53	-18.55
2430	64.68	-1.89	3.38	1.23	32.155	32.526	3.38	-16.77
2440	63.58	-1.97	3.2	1.05	31.789	31.788	3.2	-15.03
2450	65.3	-1.85	3.32	1.17	33.055	32.242	3.32	-14.27
2460	61.48	-2.11	3.06	0.91	31.727	29.753	3.06	-13.36
2470	58.24	-2.35	2.64	0.49	30.739	27.501	2.64	-13.45
2480	55.89	-2.53	2.26	0.11	30.404	25.486	2.26	-14.1
2490	54.23	-2.66	1.72	-0.43	30.407	23.827	1.72	-13.87
2500	50.83	-2.94	1.4	-0.75	29.198	21.631	1.4	-13.6

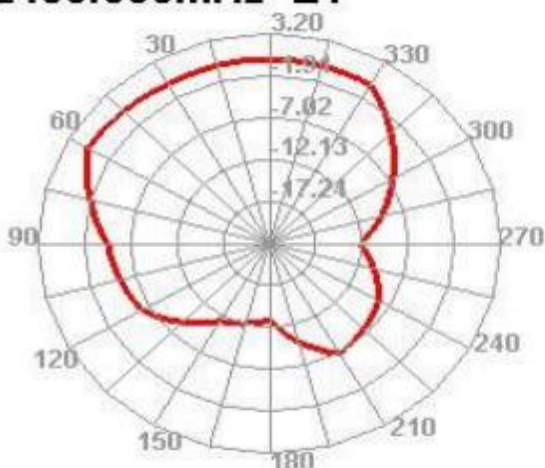
2400.000MHz



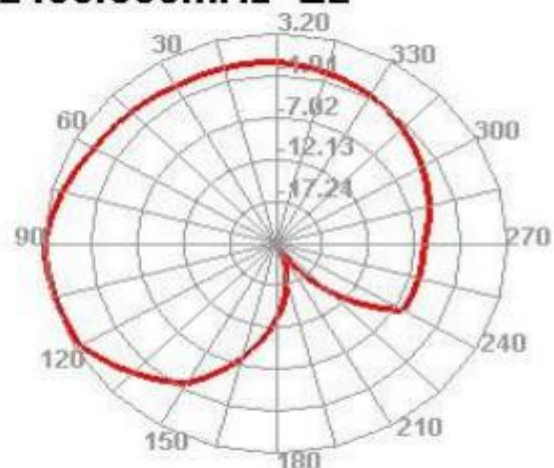
2400.000MHz H



2400.000MHz E1



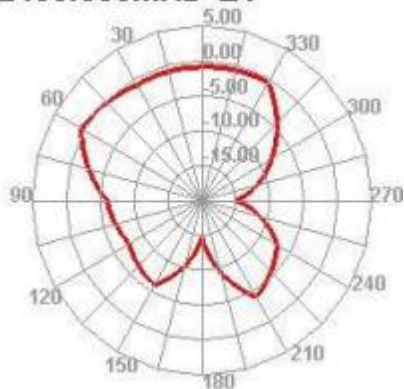
2400.000MHz E2



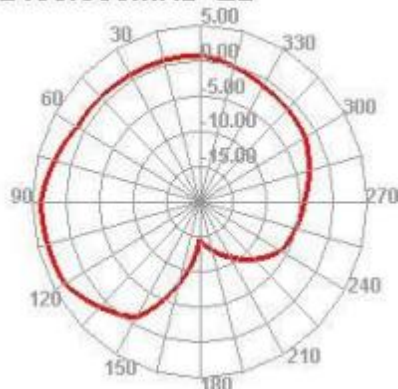


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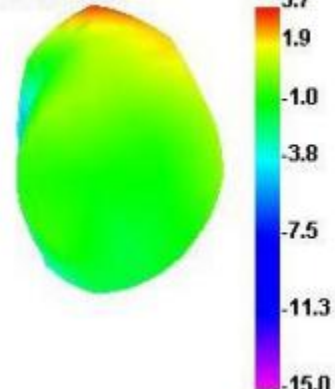
2450.000MHz E1



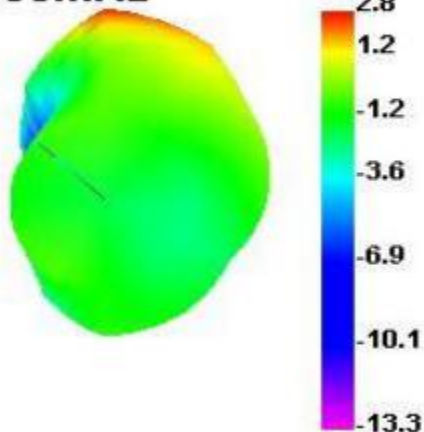
2450.000MHz E2



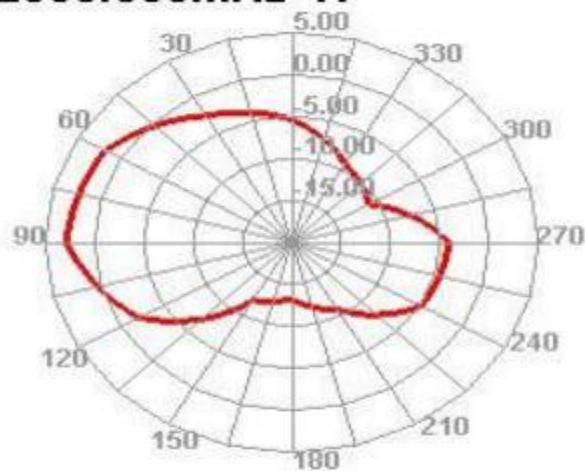
2450.000MHz



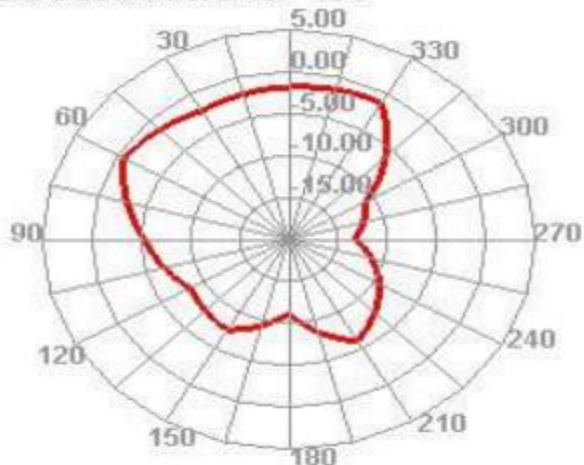
2500.000MHz



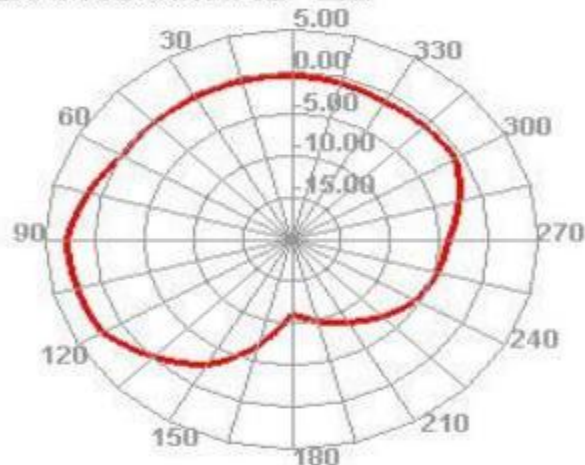
2500.000MHz H



2500.000MHz E1



2500.000MHz E2





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## 7. Electrical performance parameters

name project	The 2.4G antenna	N ame	.42G Antenna
Frequency Range (MHz)	24000~2500	Frequency (MHz )	24000~2500
Bandwidth (MHz)	100	Bandwidth (MHz )	100
Polarization mode	linear polarization	Polarization Type	linear polarization
Antenna gain (dBi)	3.53	Gain (dBi )	3.53
radiation direction	omnidirectional	Radiation Pattern	Omni directional
voltage standing-wave ratio	$\leq 2.5$	VSWR	$\leq 2.5$
input impedence ( $\Omega$ )	50	Input Impedance ( $\Omega$ )	50
Cable line length (mm)	107	Cable length (mm )	107
Cable color	gray	Cable Colour	gr ey
Interface form	weld	Connector Type	weld
working temperature ( $^{\circ}\text{C}$ )	-40~+85	O peration temperature ( $^{\circ}\text{C}$ )	-40~+85
Storage temperature of ( $^{\circ}\text{C}$ )	-40~+85	Store temperat ( $^{\circ}\text{C}$ )	-40~+85

# Red Dot Information Technology (Shenzhen) Co., LTD

Product Material No.: HD.TG -5.0-28.5107-27			
Product specification: 2.4G copper tube antenna 1.13 gray wire, total length of 107mm			
1. labeling requirement			
Inner label length 45 wide 70		Outer label long 45 wide 70	
demand			demand
supplier	Red Dot Information Technology (Shenzhen) Co., Ltd		supplier Red Dot Information Technology (Shenzhen) Co., Ltd
Customer order number			Customer order
Customer material number			Customer material number
material code			material code
Product name specificati on		examinati on clerk	Product name specificatio n
Quantity / unit		date of manufactu re	Quantity / unit
remarks			remarks
2. The packing requirements			
1. Internal packaging Product xxx PCS / zha xxx PCS / bag			
2. Packaging xxx PCS Box			
matters need attention:			