

REDDOTINFORMATIONTECHNOIOGYSHENZHENCO, LTD

PRODUCT SPECIFICATION

<b>Customer</b>	
<b>Customers part number</b>	
<b>ProductMaterialCode</b>	HD. TG-5. 0-28. 5-107-27
<b>Working Band</b>	2400MHz-2500MHz
<b>Issue Date</b>	2022-05-04
<b>ReleaseVersion</b>	A1
<b>Author</b>	Zou yang cheng

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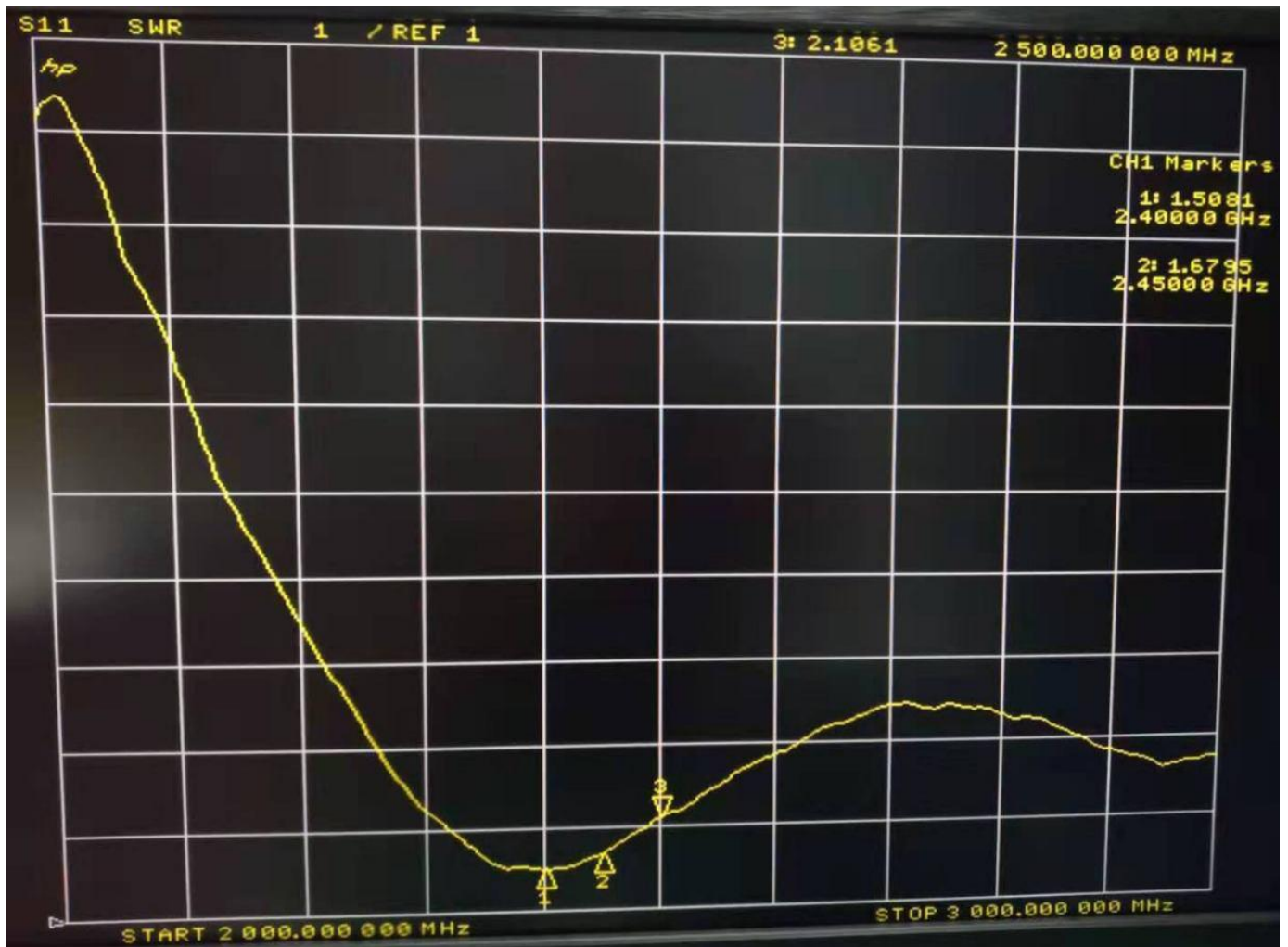
## One 、PRODUCT TECHNICAL SPECIFICATION

Frequency Range (MHz)	2400-2500
Input Impedance ( $\Omega$ )	50
VSWR	$\leq 2.0$
Radiation	Omnidirectional
Gain ( dBi)	3.53
Polarization Type	Linear polarization
Admitted Power Connector	2W
Connect Type	weld
Bandwidth (MHz)	100
Chassis Color	Black
Operation temperature ( $^{\circ}\text{C}$ )	$-40^{\sim}+85$
Store temperature ( $^{\circ}\text{C}$ )	$-40^{\sim}+85$

## Two 、 VSWR

Frequency (MHz)	2400	2450	2500
VSWR	1.5	1.67	2.1

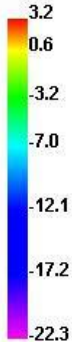
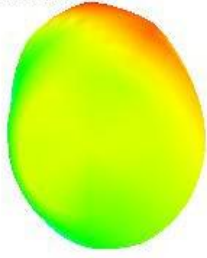
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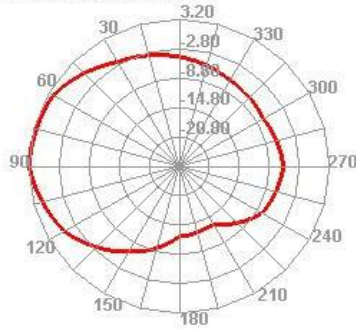
### Three、Efficiency/Gain/Directivity Diagram

Passive Test For WIFI2.4								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	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

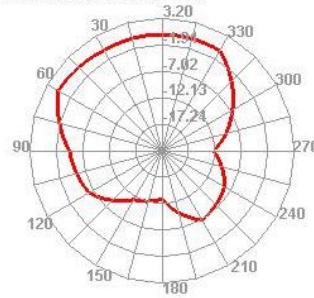
2400.000MHz



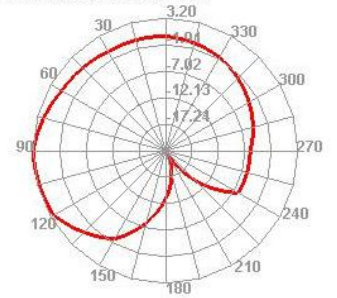
2400.000MHz H



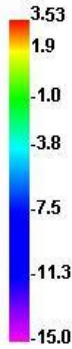
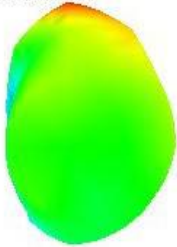
2400.000MHz E1



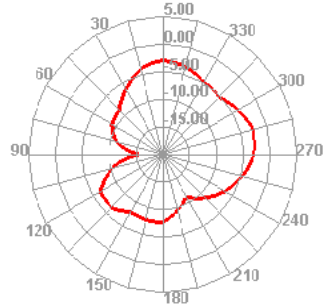
2400.000MHz E2



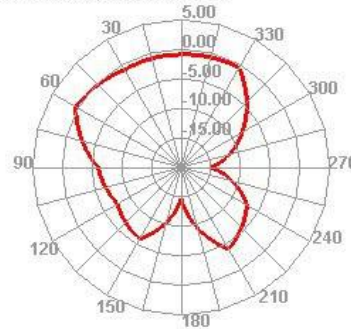
2450.000MHz



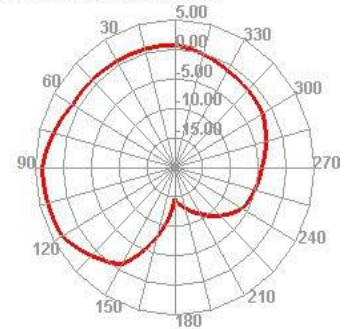
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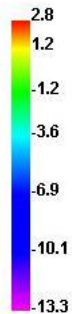
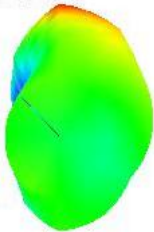
2450.000MHz E1



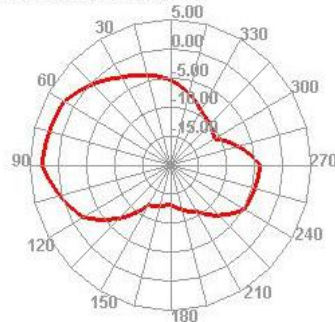
2450.000MHz E2



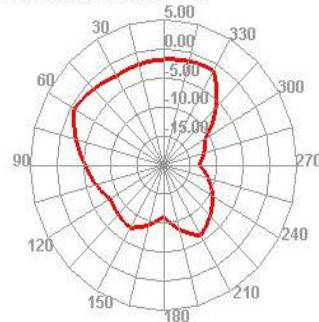
2500.000MHz



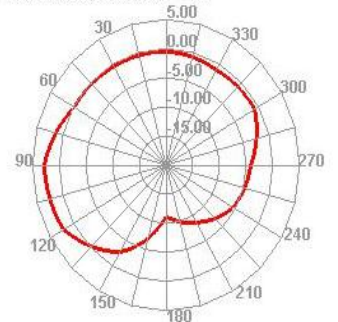
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



## Four、Product drawing

