

REDDOTINFORMATIONTECHNOIOGYSHENZHENCO, LTD

PRODUCT SPECIFICATION

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

Directory

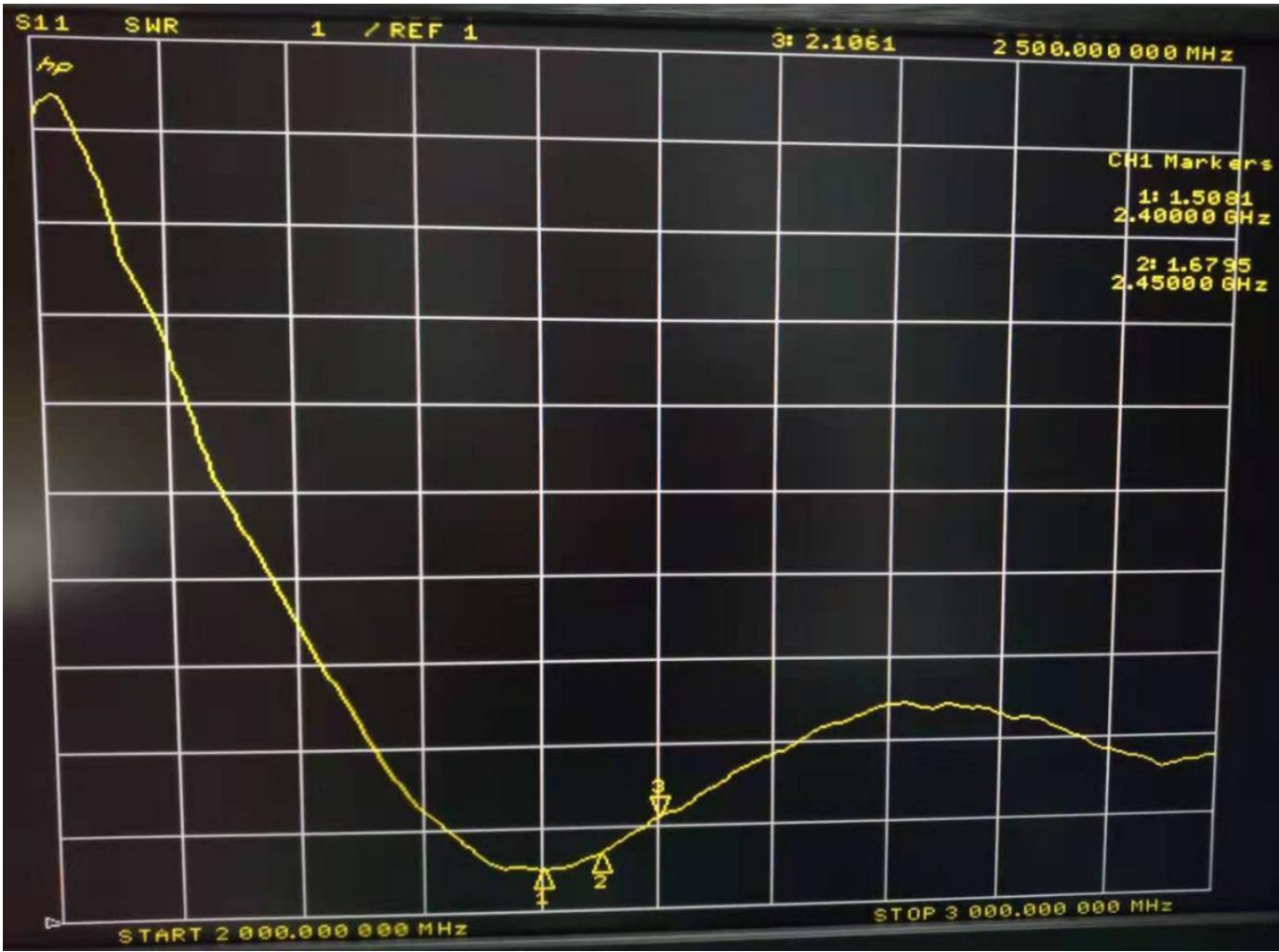
Cover	1
Directory	2
One、Product paraneters	3
Two、Vswr	4
Three、Efficiency/Gain/Directivi tyDiagram.....	5-6
Four、Product drawing	7

One 、PRODUCTTECHNICALSPECIFICATION

FrequencyRange (MHz)	2400-2500
InputImpendence(Ω)	50
VSWR	≤2.0
Radiation	Omni-directional
Gain(dBi)	3.53
PolarizationType	Liner polarization
AdmittedPower Connector	2W
ConnectType	weld
Bandwidth (MHz)	100
ChassisColor	Black
Operation temperature(℃)	-40~+85
Storetemperat(℃)	-40~+85

Two 、 VSWR

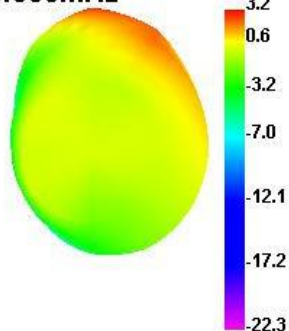
Frequency (MHz)	2400	2450	2500
VSWR	1.5	1.67	2.1



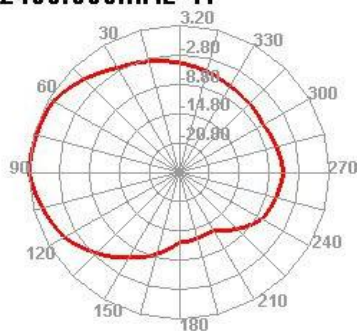
Three、Efficiency/Gain/DirectivityDiagram

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

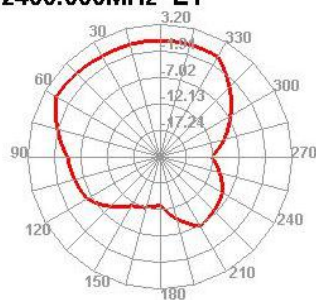
2400.000MHz



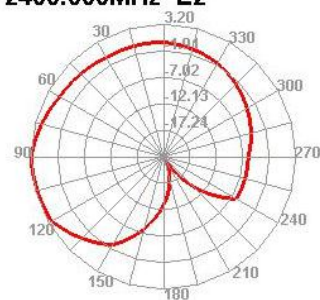
2400.000MHz H



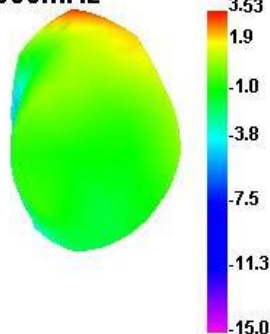
2400.000MHz E1



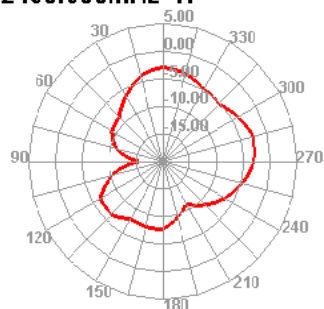
2400.000MHz E2



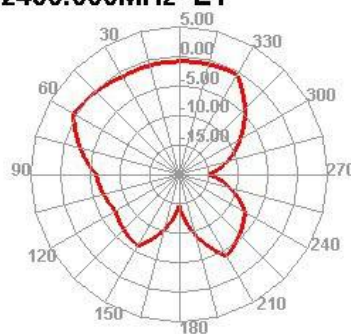
2450.000MHz



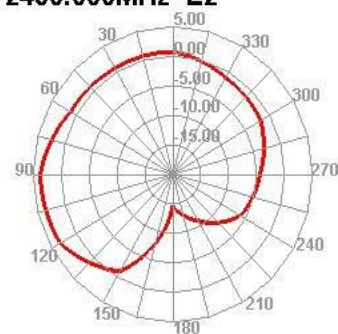
2450.000MHz H



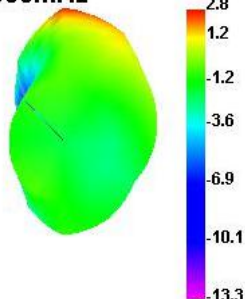
2450.000MHz E1



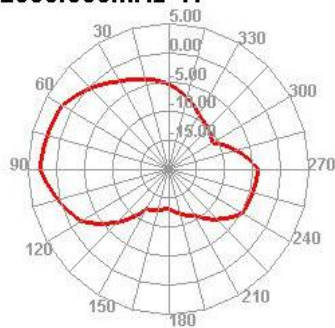
2450.000MHz E2



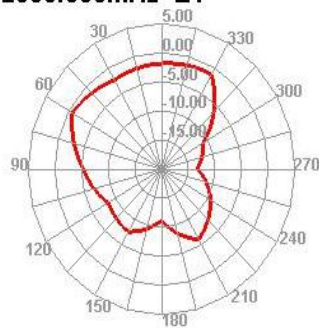
2500.000MHz



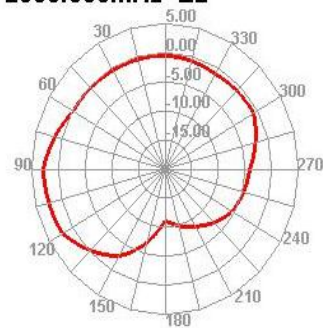
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



Four、Product drawing

