

REDDOTINFORMATIONTECHNOIOGYSHENZHENCO, LTD

PRODUCT SPECIFICATION

Customer	
Customers part number	
ProductMaterialCode	HD. TG-3. 0-16-76-29
Working Band	2400MHz-2500MHz
Issue Date	2024-03-27
ReleaseVersion	A2
Author	Zou yang cheng

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One 、PRODUCTTECHNICALSPECIFICATION

FrequencyRange (MHz)	2400-2500
InputImpendence(Ω)	50
VSWR	≤2.0
Radiation	Omni-directional
Gain(dBi)	2.75
PolarizationType	Liner polarization
AdmittedPower Connector	2W
ConnectType	weld
Bandwidth (MHz)	100
ChassisColor	Black
Operation temperature(℃)	-40~+85
Storetemperat(℃)	-40~+85

Antenna model number:2.4G Antenna

Manufacturer:Manufacturer Address:

Two 、 VSWR

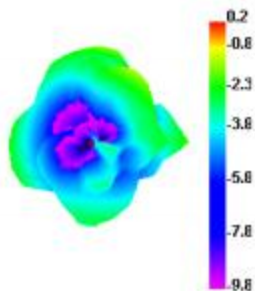
Frequency (MHz)	2400	2450	2500
VSWR	1.42	1.31	1.60



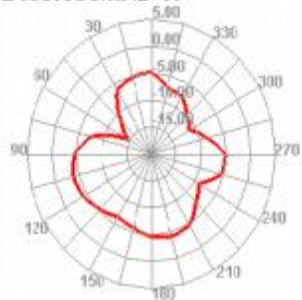
Three、Efficiency/Gain/Directivity Diagram

Passive Test For WiFi2.4									
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)
2400	45.31	-6.14	2.4	1.52	8.822	15.489	0.23	-17.58	6.37
2410	41.83	-6.61	2.23	1.38	7.935	13.9	-0.4	-19.07	6.21
2420	45.21	-5.98	2.2	1.29	9.195	16.015	0.02	-19.36	6.01
2430	35.54	-5.93	2.07	1.38	9.36	16.176	-0.07	-19.55	5.86
2440	48.33	-5.48	2.56	1.35	10.467	17.86	0.26	-19.01	5.74
2450	41.16	-5.06	2.26	1.3	11.634	19.522	0.56	-17.89	5.62
2460	43.2	-4.79	2.39	1.09	12.559	20.643	0.69	-17.93	5.48
2470	42.94	-4.82	2.6	1.21	12.617	20.324	0.6	-18.48	5.42
2480	45.11	-4.55	2.24	1.41	13.661	21.454	0.95	-17.98	5.49
2490	48.71	-4.12	2.35	1.51	15.308	23.402	1.35	-18.23	5.48
2500	49.18	-3.08	2.75	1.71	19.866	29.315	2.24	-18.2	5.32

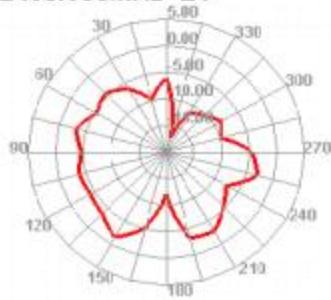
2400.000MHz



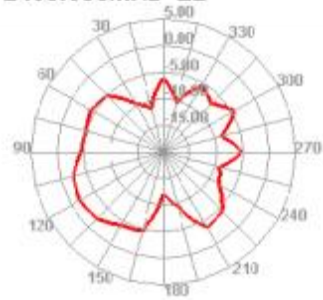
2400.000MHz H



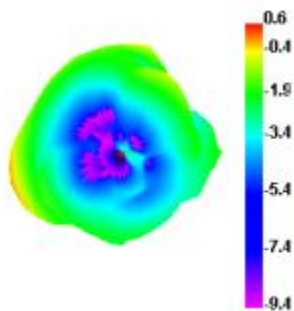
2400.000MHz E1



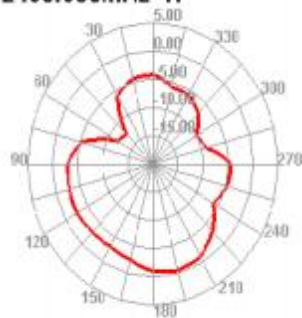
2400.000MHz E2



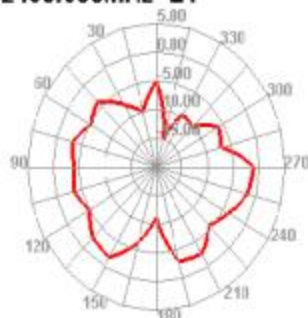
2450.000MHz



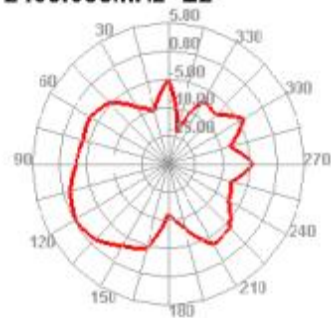
2450.000MHz H



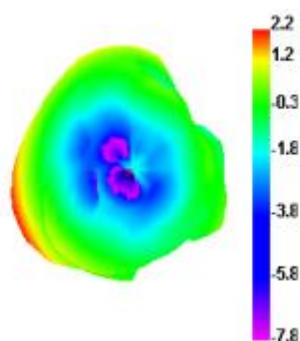
2450.000MHz E1



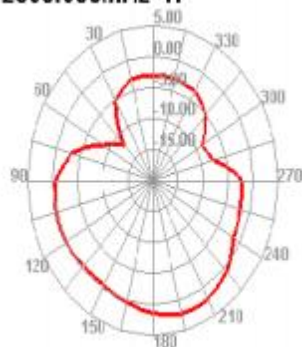
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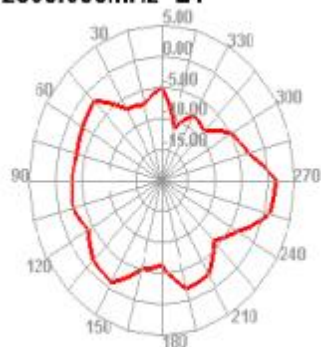
2500.000MHz



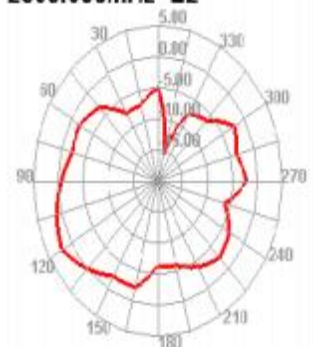
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



Four、Product drawing

