

SPECIFICATION



1 、主要部件组成 Part specification

产品名称 Name: 2.4G Antenna		型号 Part no: HC24011015225J
1	连接器 Connector Type	SMA
2	连接器镀层 Connector Coating	AU
3	线材 Cable Type	RG174
4	外壳 Cover	TPE、Black
5	特殊标识 Label	-
6	特殊工艺 Technology	Ultrasonic fusion
7	辐射阵子 Radiating Element	carbon steel

Explain : Applicable to ROHS

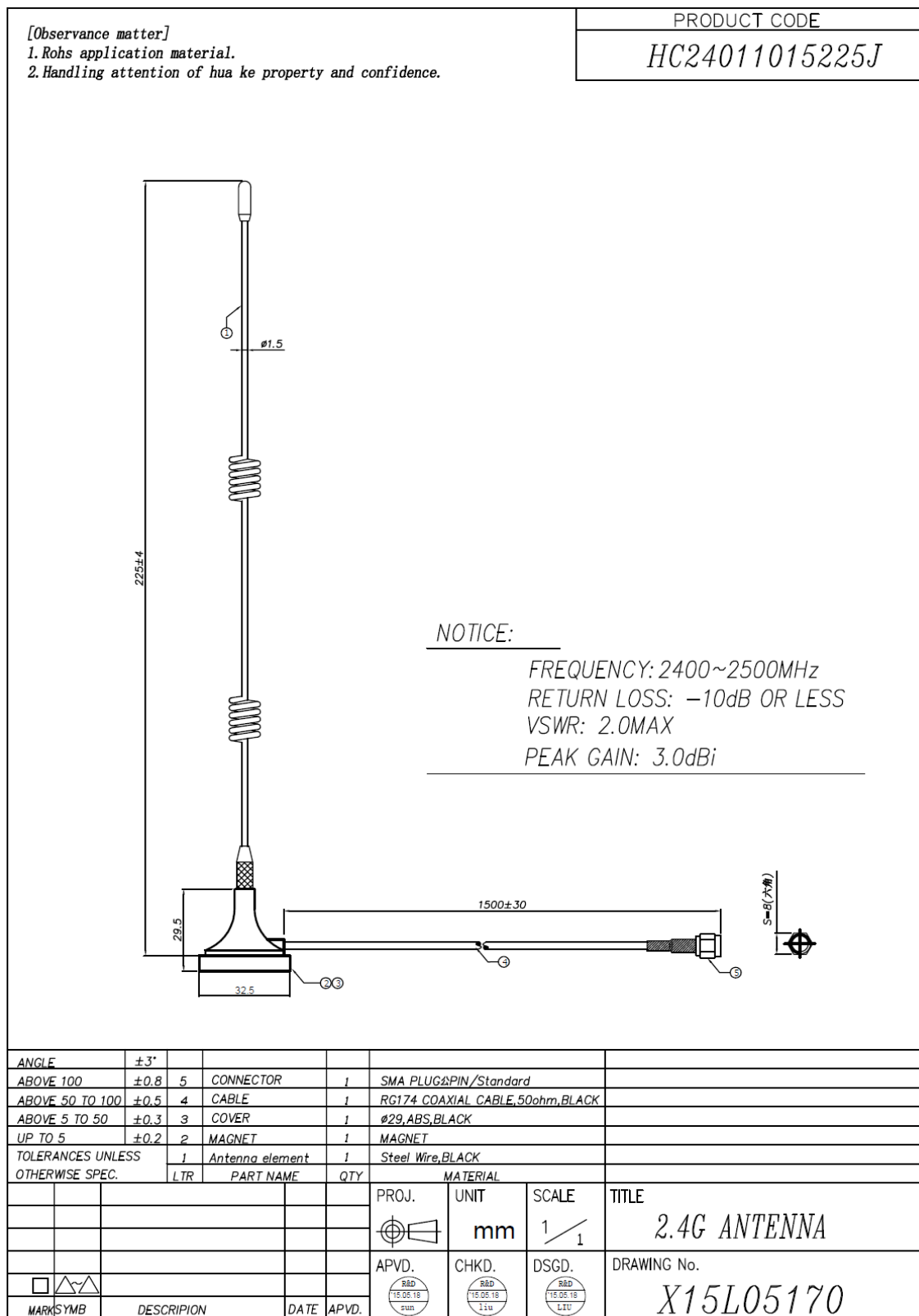
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2 、特性参数 Pharacteristic parameter

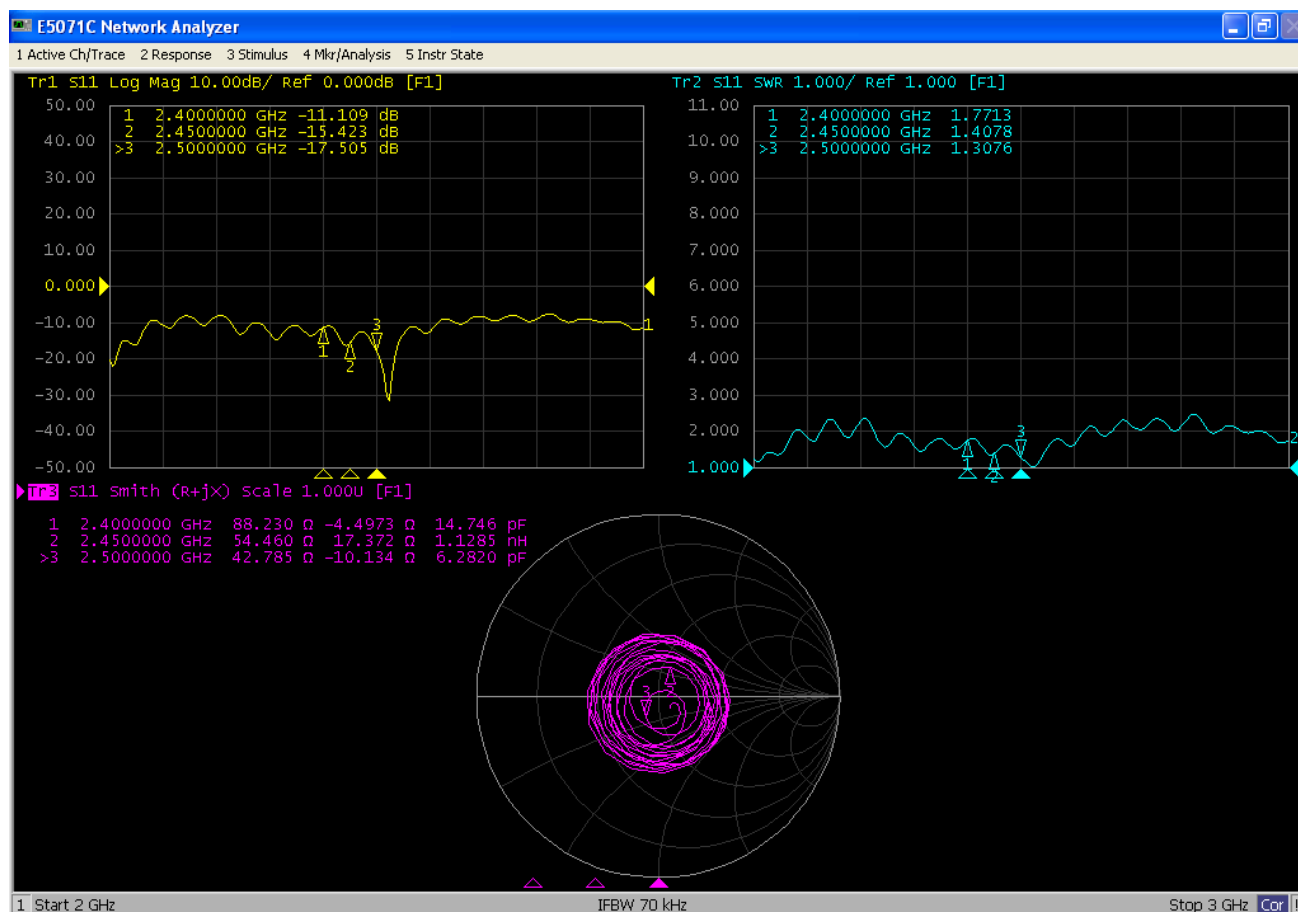
频率范围 Frenquency Rang	2400-2500MHz
输入阻抗 Impedance	50Ω
驻波比 VSWR	< 2.0
增益 Gain	4.55dBi
辐射方向 Radiation	全向
极化方式 Polarization	Vertical
镀层 Coating	-
天线高度 Height	225±4mm
馈线长度 Cable Length	1500±30mm
工作温度 working Temperature	-45- + 85℃
存储温度 Storage Temperature	-45- + 85℃
适用频段 Applicable Band	WIFI、Bluetooth
湿度 Humidity	< 95%

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3、尺寸规格 Drawing



4、电性能测试 VSWR experiment



Frequency (MHz)	VSWR	VSWR RANGE			
		reference value	Judge	reference value	Judge
2400MHz	1.77	≤2.0	PASS	> 2.0	NG
2450 MHz	1.40	≤2.0	PASS	> 2.0	NG
2500 MHz	1.30	≤2.0	PASS	> 2.0	NG
-					
-					
Test Instrument : 5071C					

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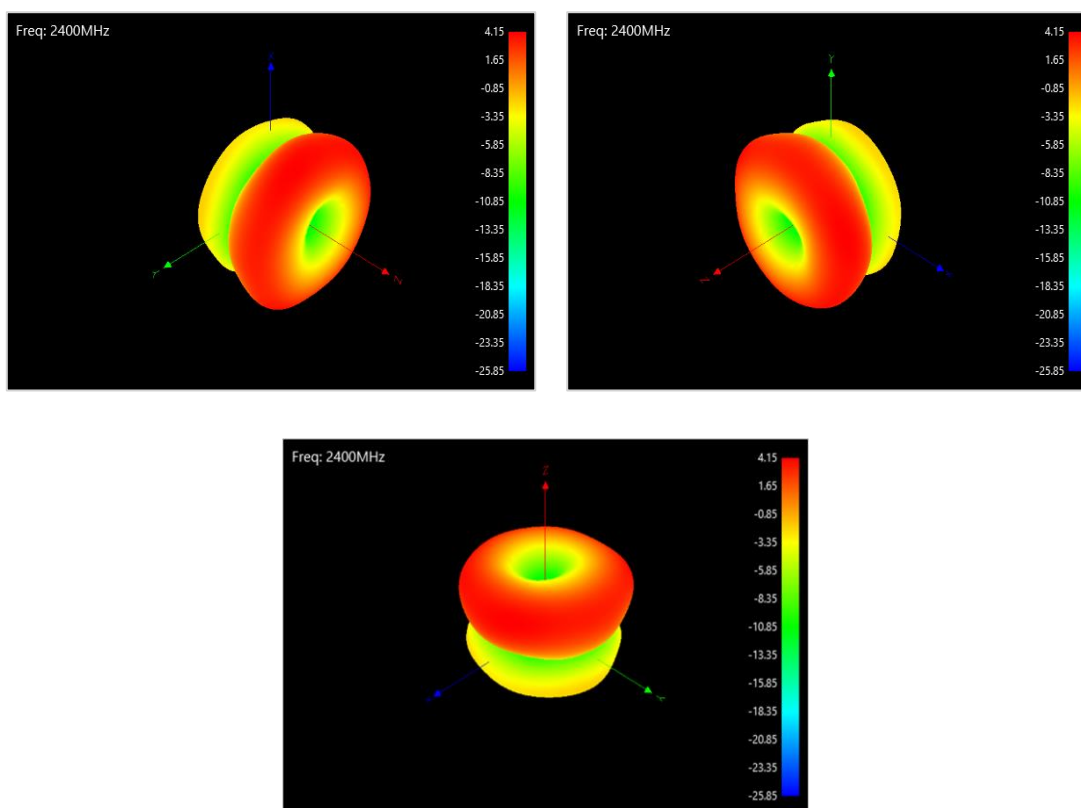
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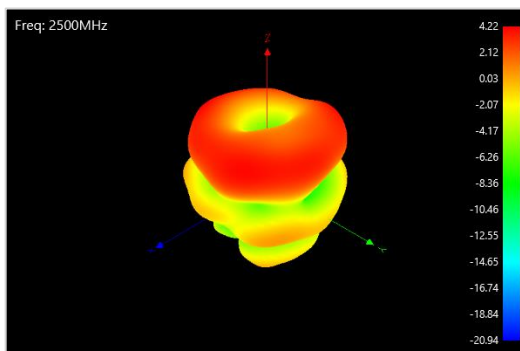
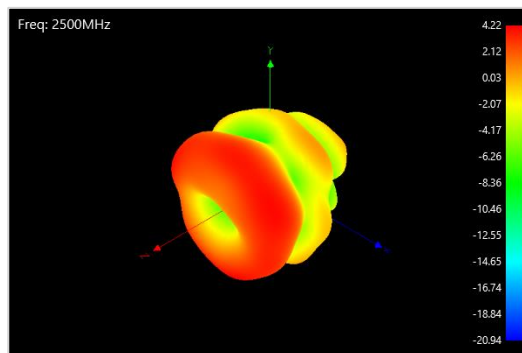
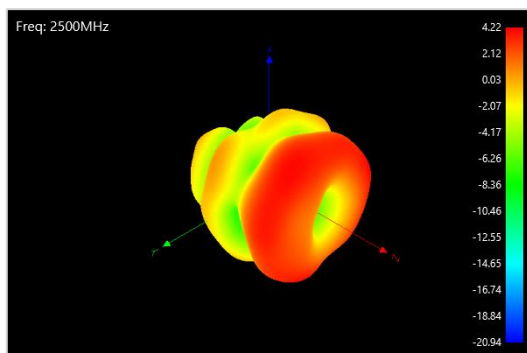
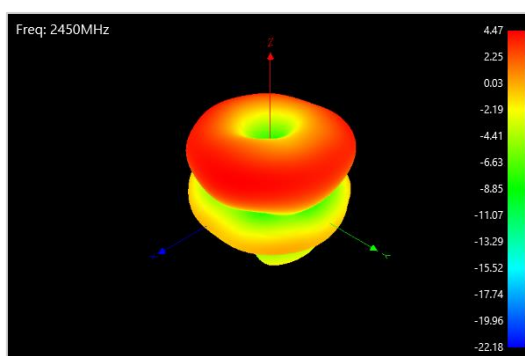
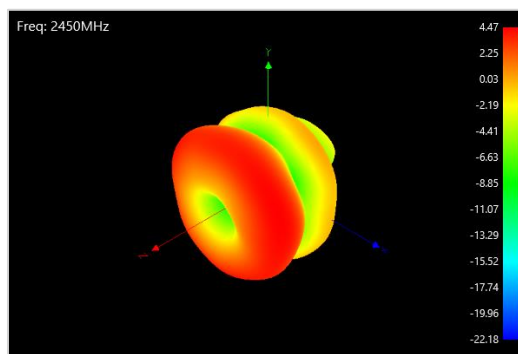
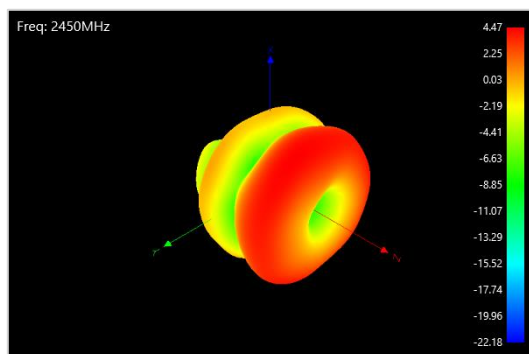
5、效率与增益 Efficiency and Gain

Frequency(MHz)	Gain(dbi)	Efficiency(db)	Efficiency(%)
2400	4.15	-2.35	58.26
2410	4.29	-2.14	61.12
2420	4.45	-1.96	63.69
2430	4.51	-1.84	65.4
2440	4.55	-1.77	66.49
2450	4.47	-1.74	66.97
2460	4.35	-1.79	66.19
2470	4.23	-1.87	65.05
2480	4.17	-1.92	64.32
2490	4.31	-1.93	64.12
2500	4.22	-1.98	63.44

6、方向图 Radiation Patterns



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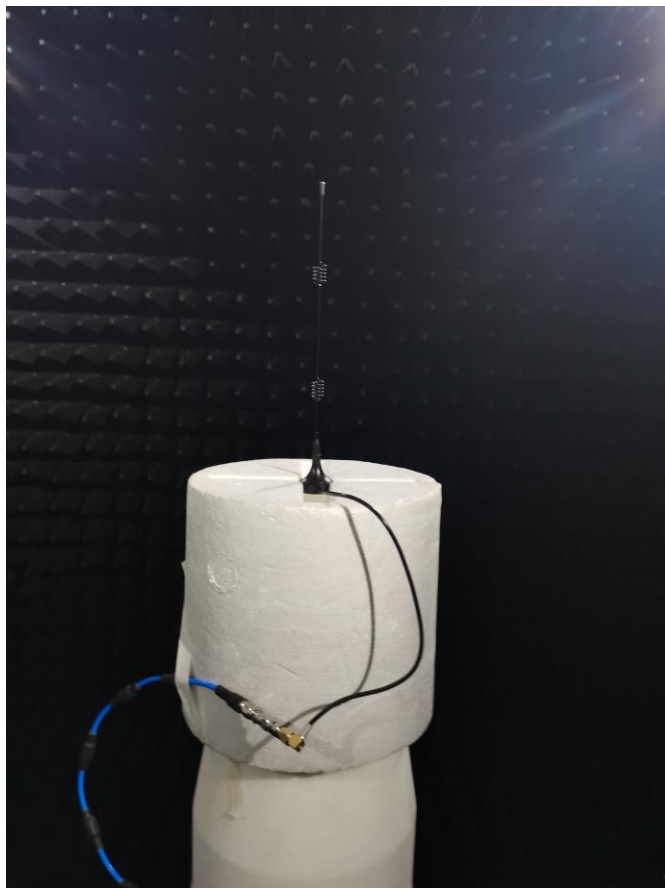


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6、测试环境 Test environment



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