

承认书
APPROVAL

客 户

Shenzhen Excelland Technology Co. Ltd.

CUSTOMER

品 名 规 格

DESCRIPTION: 2.4G Antenna Internal Antenna

料 号

PART NO.: YG-TX2.4GM012

客 户 料 号

CUS PART NO.: NXX0000004306

日 期

DATE: 2022-09-01

深圳市圆规科技有限公司呈样签章

(Shenzhen Compass Technology Co., Ltd)

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	业 务 SALES DEPARTMENT
陈远平	王丰	肖尊元

客户承认签章

(Customer First Article Inspection Approval)

工 程 ENGINEERING DEPARTMENT	品 保 QC DEPARTMENT	采 购 PURCHASING DEPARTMENT
Hunter Wang	Dylan Liu	Winson Su

Shenzhen Compass Technology Co., Ltd

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Shenzhen Compass Technology Co., Ltd

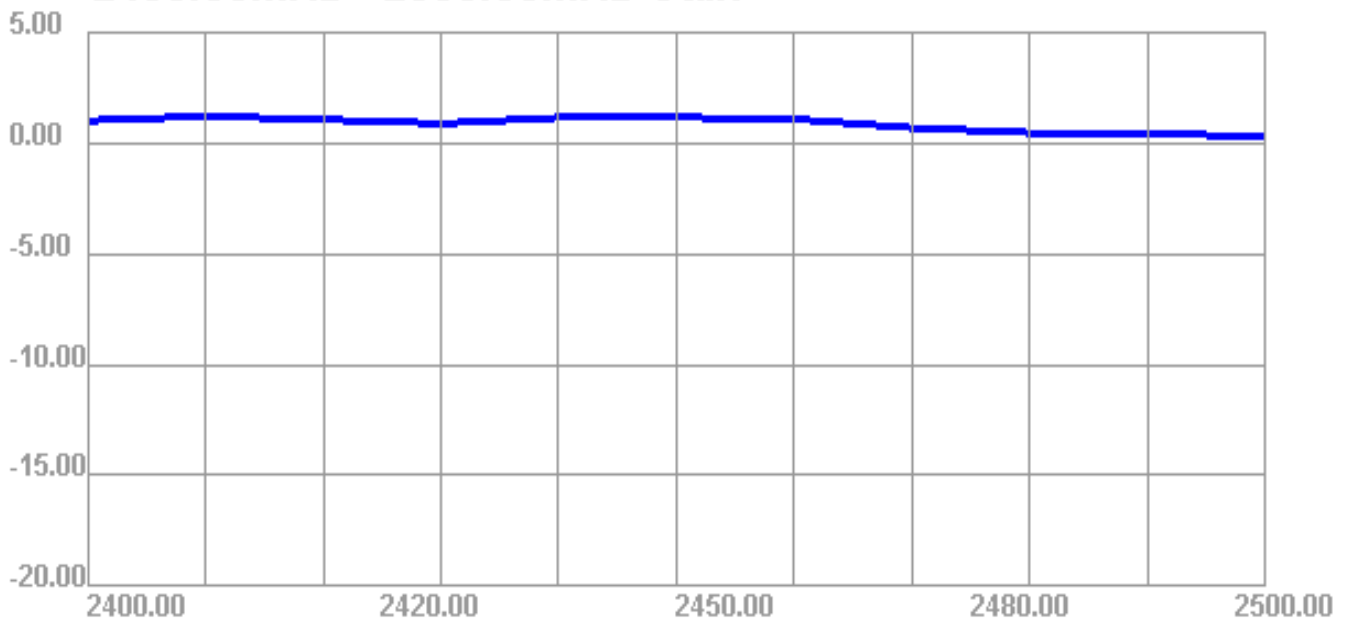
1. Pictures of products



2. Electrical performance

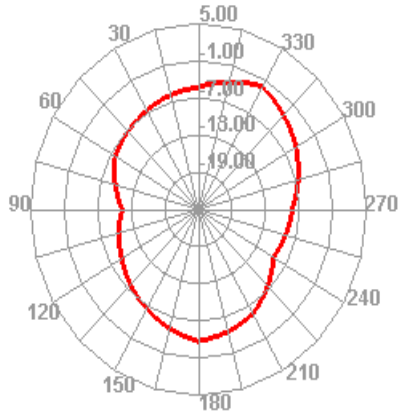
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	irectivity (dBi)
2400	51.56	-2.88	1.01	-1.14	19.828	31.729	1.01	-11.4	3.88
2410	51.76	-2.86	1.21	-0.94	19.667	32.09	1.21	-11.1	4.07
2420	49.63	-3.04	1.06	-1.09	18.959	30.671	1.06	-10.6	4.1
2430	47	-3.28	0.88	-1.27	18.181	28.821	0.88	-10.42	4.16
2440	49.8	-3.03	1.15	-1	19.643	30.16	1.15	-11.76	4.18
2450	49.68	-3.04	1.16	-0.99	19.894	29.784	1.16	-15.74	4.2
2460	48.38	-3.15	1.08	-1.07	19.535	28.841	1.08	-20.03	4.23
2470	43.85	-3.58	0.68	-1.47	17.752	26.1	0.68	-18.57	4.26
2480	42.03	-3.76	0.46	-1.69	16.873	25.16	0.46	-14.23	4.23
2490	41.7	-3.8	0.42	-1.73	16.509	25.187	0.42	-11.35	4.22
2500	40.68	-3.91	0.3	-1.85	15.78	24.895	0.3	-9.43	4.21

2400.00MHz - 2500.00MHz Gain

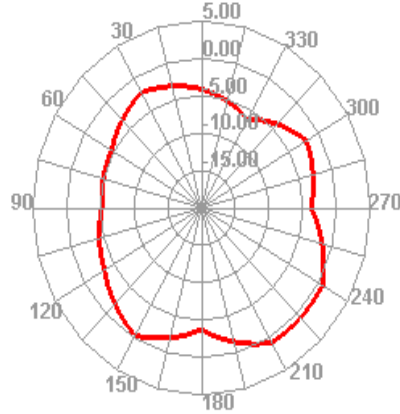


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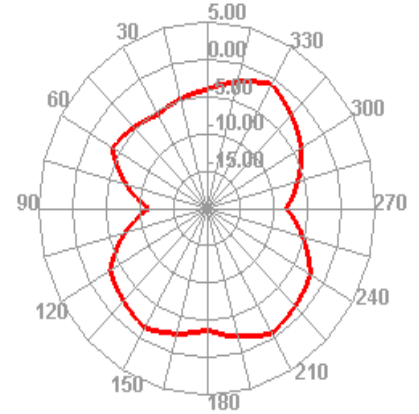
2400.000MHz H



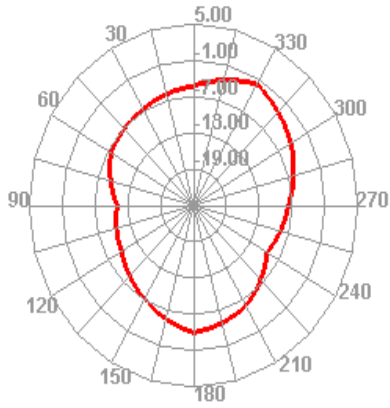
2400.000MHz E1



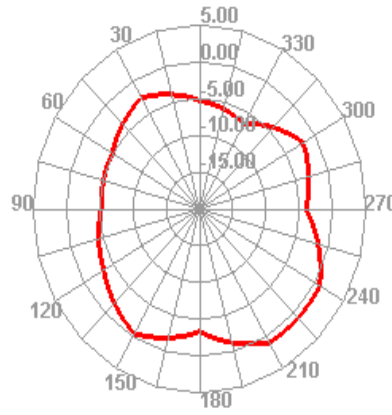
2400.000MHz E2



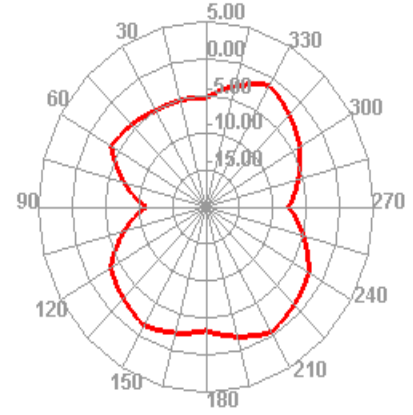
2410.000MHz H



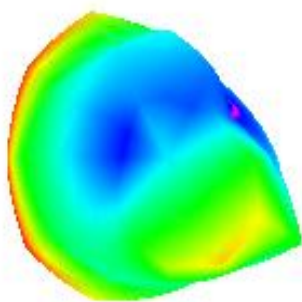
2410.000MHz E1



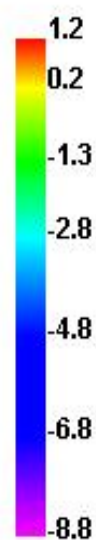
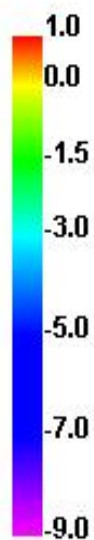
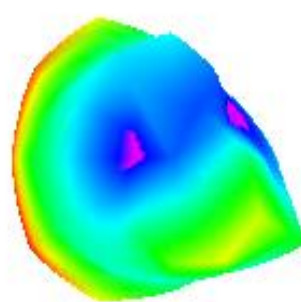
2410.000MHz E2



2400.000MHz



2410.000MHz



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Environmental Performance Test Items	Test Conditions	Specifications
Storage environment	The test temperature, humidity and air pressure without specification are as follows: 1. Temperature: - 40 °C ~ + 80 °C 2. Relative humidity: 45% - 85% 3. The air pressure is 86kpa-106kpa	Normal electrical and mechanical performance
High and low temperature test	Conduct 5 cycles between 70 °C and 40 °C, and then check the appearance quality under normal conditions for 1-2h.	The dimension shall meet the requirements and meet the mechanical and electrical performance
Constant damp heat resistance test	The relative humidity was $95 \pm 3\%$ and the test temperature was 40 °C. After 2 hours, The electrical performance shall be measured within 5 mins after the test article is taken out, and the test article shall be in normal condition Check the appearance quality for 1-2h under the part	The dimension shall meet the requirements and meet the mechanical and electrical performance
Vibration test	Vibration frequency range: 10-55Hz, displacement amplitude: 0.35mm, acceleration amplitude: 50.0m/s, frequency sweep cycle times: 30 times	Normal electrical and mechanical performance
Drop test	Free fall for 3 times in the direction of mutually perpendicular axes at a height of 1m	Normal electrical and mechanical performance

SMA射频同轴连接器

RF COAXIAL CONNECTORS

编号: 1101

主要技术特性 (TECHNICAL SPECIFICATIONS) :

温度范围 (Temp.range) :	-55~+155° C	
特性阻抗 (Impedance) :	50 Ω	
频率范围 (Frequency Range) :	DC~12.4GHz	
工作电压 (Working Voltage) :	335Vmax (有效值)	
耐压 (Withstand Voltage) :	1000V rms (海平面最小值)	
接触电阻 (Contact resistance) :	内导体之间 (Center Contact)	$\leq 3m \Omega$
	外导体之间 (Outer Contact)	$\leq 2m \Omega$
绝缘电阻 (Insulation resistance) :	$\geq 5000m \Omega$	
电压驻波比 (VSWR) :	直式 (Right angle)	≤ 1.10
耐用性 (Durability) :	≥ 500 次	

材料与涂覆 (MATERIAL AND PLATING) :

壳体 (Shell) :	黄铜 (Brass)	镀硬金 (Gold plated)
插针 (contact pin) :	黄铜 (brass)	镀硬金 (Gold plated)
插孔 (socket contact)	铍青铜 (brylliumbrass)	镀硬金 (Gold plated)
绝缘体 (Insulator) :	聚四氟乙烯 (PTFE)	
压接套 (Crimping suite) :	铜合金 (Copper alloy)	镀金 (Gold plated)
O型密封件 (O-ring sealing) :	硅橡胶 (6146 silastic)	