

SPECIFICATION

Shenzhen Guandetong Electronic Limited



深圳市冠得通电子有限公司

Shenzhen Guandetong Electronic Co., Ltd.

2.4G 4.1Rubber sleeve antenna RP-SMA+9 thread SMA male feeder line)

Product Specification

customer	Shenzhen Strongshine Technology Co. Ltd.	Frequency Range	2400-2500MHZ
Material code		Version No	A1
RF designer	肖彬 (Xiao Bin)	RF Manager	刘亮 (Liu Liang)
Structural designer	王栋 (Wang Dong)	Structure Manager	王华 (Wang Hua)
Technical Director	叶定坤 (Ye Dingkun)	Date	2022-09-13

catalogue

Cover	1
catalogue.....	2
I.Product pictures	3
II.Product parameters	3
III.S11(VSWR、Return、Smith) data.....	4
IV.Structural drawings.....	5
V.Environmental performance test.....	6

I. Product pictures



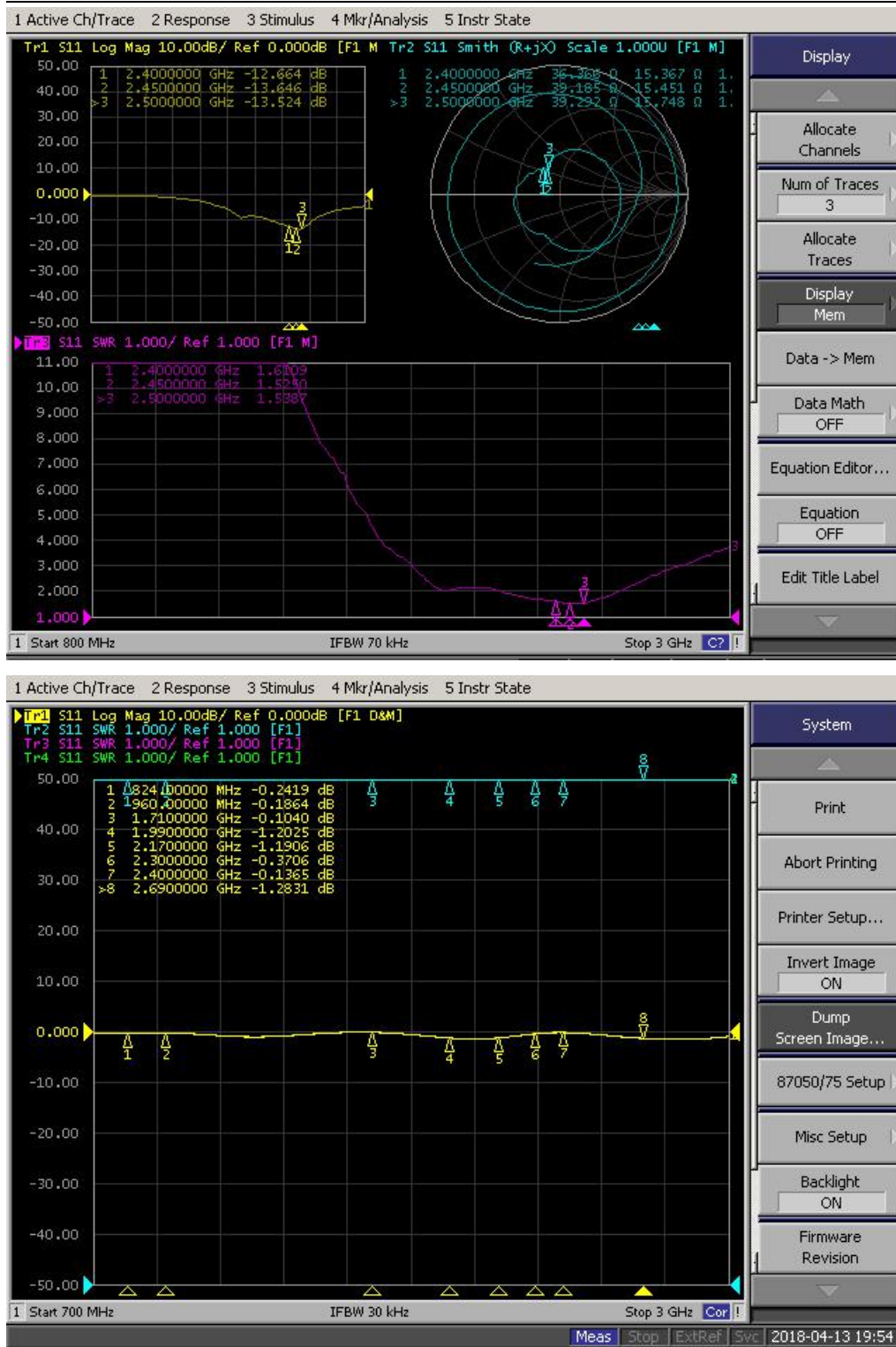
II. Product parameters

Product test parameters			
Product name	2.4G 4.1Rubber sleeve antenna	Model Type	GDT-P2.4-L200-53
Electrical Specifications			
Frequency Range	2400-2500MHZ	Polarization	perpendicular
Impedance	50 欧	Radiation	QXCOMM
VSWR	≤ 2.0	Power	50W
Gain	2dBi	Bandwidth	100M
Mechanical Specifications			
Dimensions	50 $\pm$ 2mm	Chassis Color	black
Connector	SAM(K)	Cable Length	80 $\pm$ 3mm
Chassis Material	ABS		
Working Temperature	-40℃--+85℃	Limit Temperature	-40℃--+85℃

III.S11(VSWR、Return、Smith) data

Address: Floor 3 Building D Huanguan Nanmaoyuan Industrial Park Guanhu Street Longhua District Shenzhen Guangdong

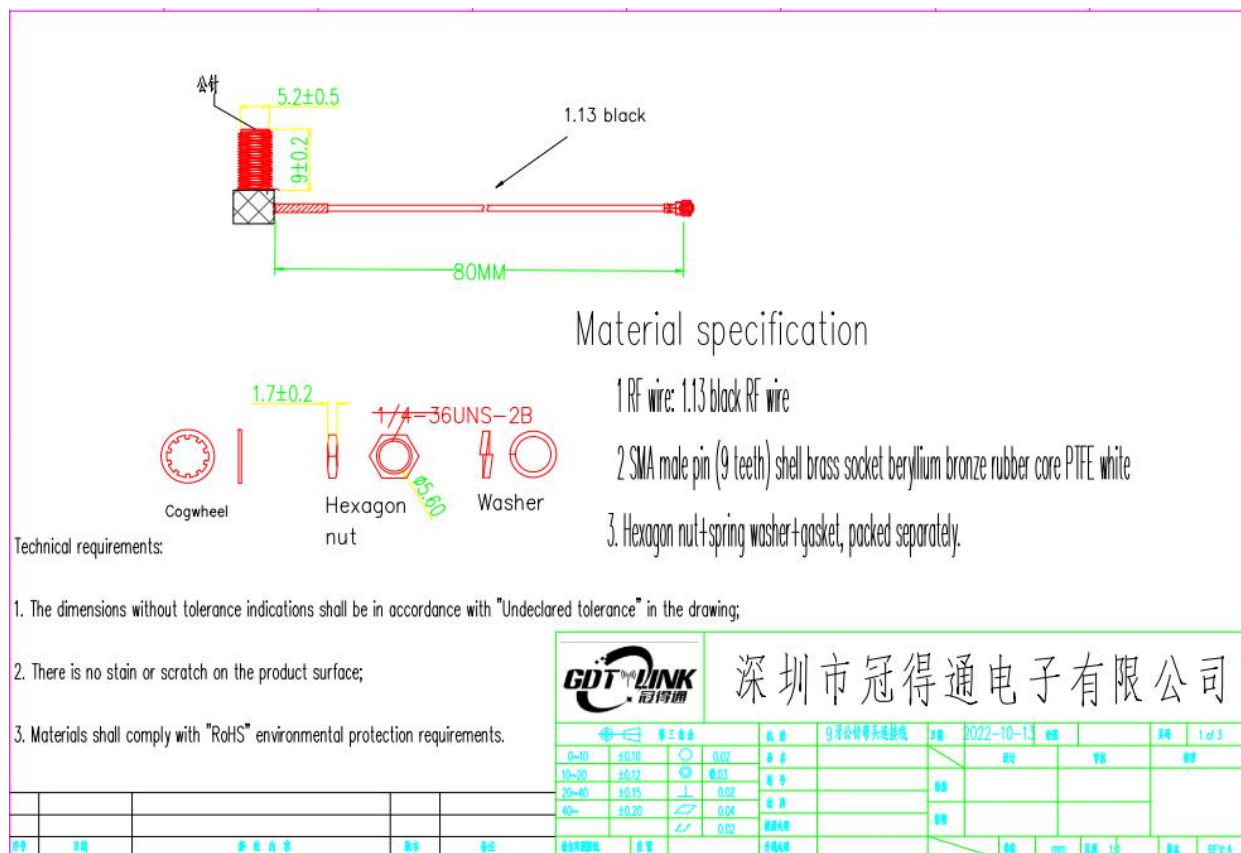
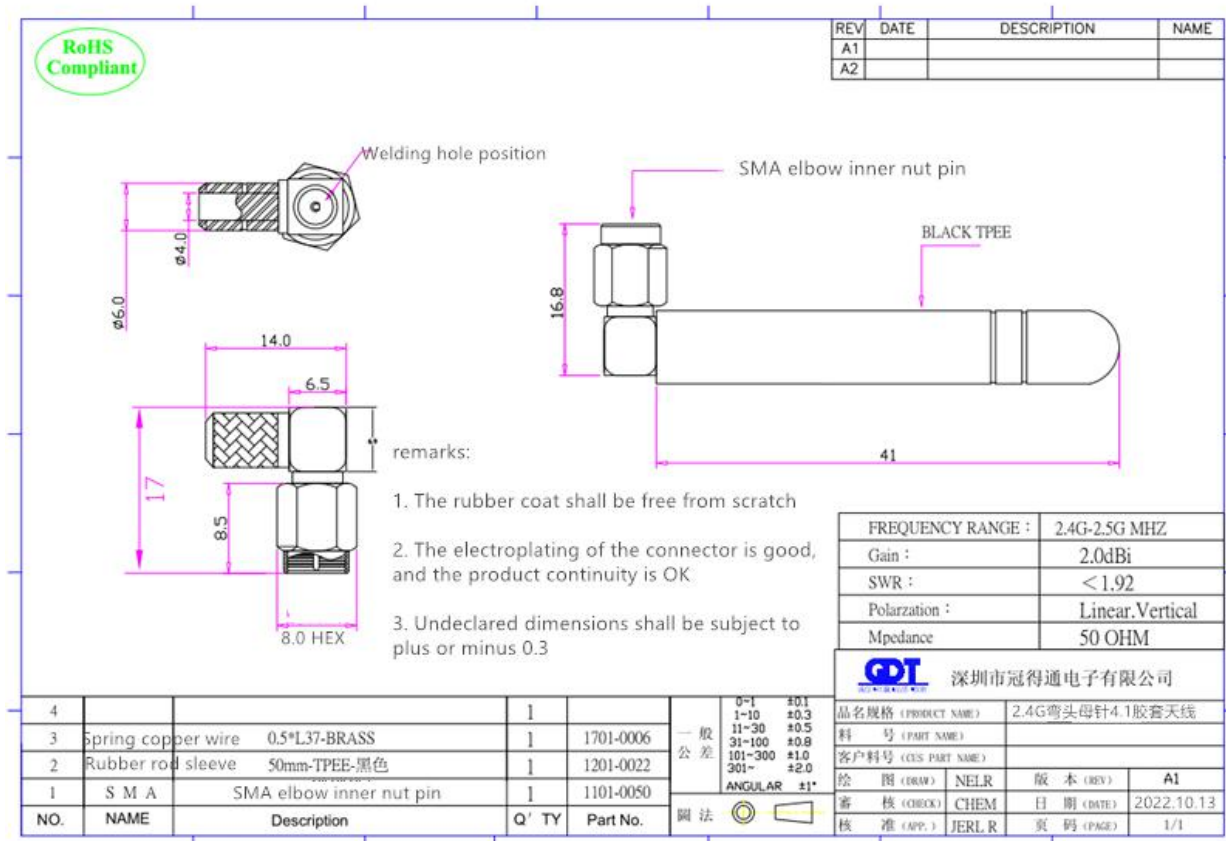
<http://www.szgdttrf.com>



IV. Structural drawings

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<http://www.szgdrf.com>



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V.Environmental performance test

project	Project test conditions	Specifications
Storage environment	The test temperature, humidity and air pressure are as follows when there is no specific condition: 1. The temperature is $-30\text{ }^{\circ}\text{C}\sim+80\text{ }^{\circ}\text{C}$ 2. Relative humidity: 45% - 85% 3. The air pressure is 86kpa-106kpa	Normal electrical and mechanical performance
High and low temperature test	5 cycles between $70\text{ }^{\circ}\text{C}$ and $40\text{ }^{\circ}\text{C}$, then under normal conditions 1-2H, check the appearance quality.	The size shall meet the requirements and Mechanical and electrical performance
Constant damp heat resistance test	Relative humidity: $95 \pm 3\%$, test temperature: $40\text{ }^{\circ}\text{C}$. After lasting for 2h, The electrical performance shall be measured within 5 minutes after the test object is taken out, and the test object shall be within the normal range Part 1-2H, check the appearance quality	The size shall meet the requirements and Mechanical and electrical performance
vibration test	Vibration frequency range: 10-55HZ, displacement amplitude: 0.35MM, acceleration amplitude: 50.0M/s, frequency sweep cycles: 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