

天线样品承认书

The Main Antenna Sample Confirmation

客户名称 Customer	深圳慧源创新科技有限公司			
	Shenzhen Huiyuan Innovation Technology Co., LTD			
项目名称 Project Name	5G 天线		日期	2024-8-24
			Date	
物料编号 Project NO.	SN1079	备注	铜管天线	
		Notes		
频段 Frequency Range	WIFI5.8G（5150-5850MHz）			
设计 Designed By	RF Engineer		Structural Engineer	
	Zhang ping			
审核 Checked By	Engineering Manager			
客户确认 Client' s Approval				

设计单位：司南微电子（深圳）有限公司
Designer: SINAWELL Electronics(Shenzhen) Co., Ltd.

地 址：深圳市宝安区新安 28 区大宝路 49-1 号金富来大厦 A 座 712-717
Add: 712-717, Block A Jinfulai Building,49-1 Dabao Road,Xinan 28th area,Baoan District,Shenzhen,China

1. 规格书概述 Specification overview

该规格书描述 5G 铜管天线的状况，其频段为 5.8G。

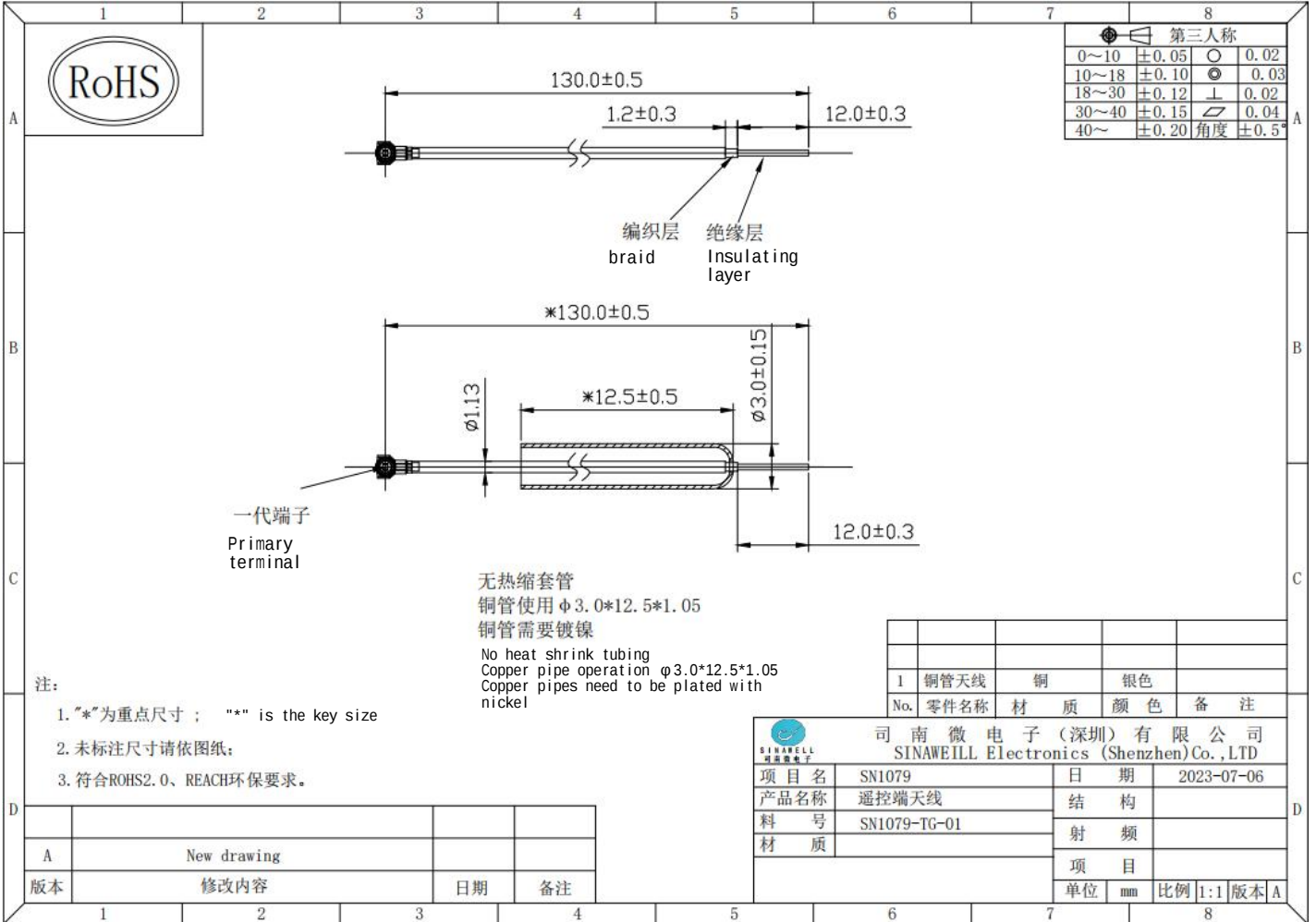
The specification describes the condition of 5G copper tube antennas, which have a frequency band of 5.8G.

2. 电性能 Electrical property

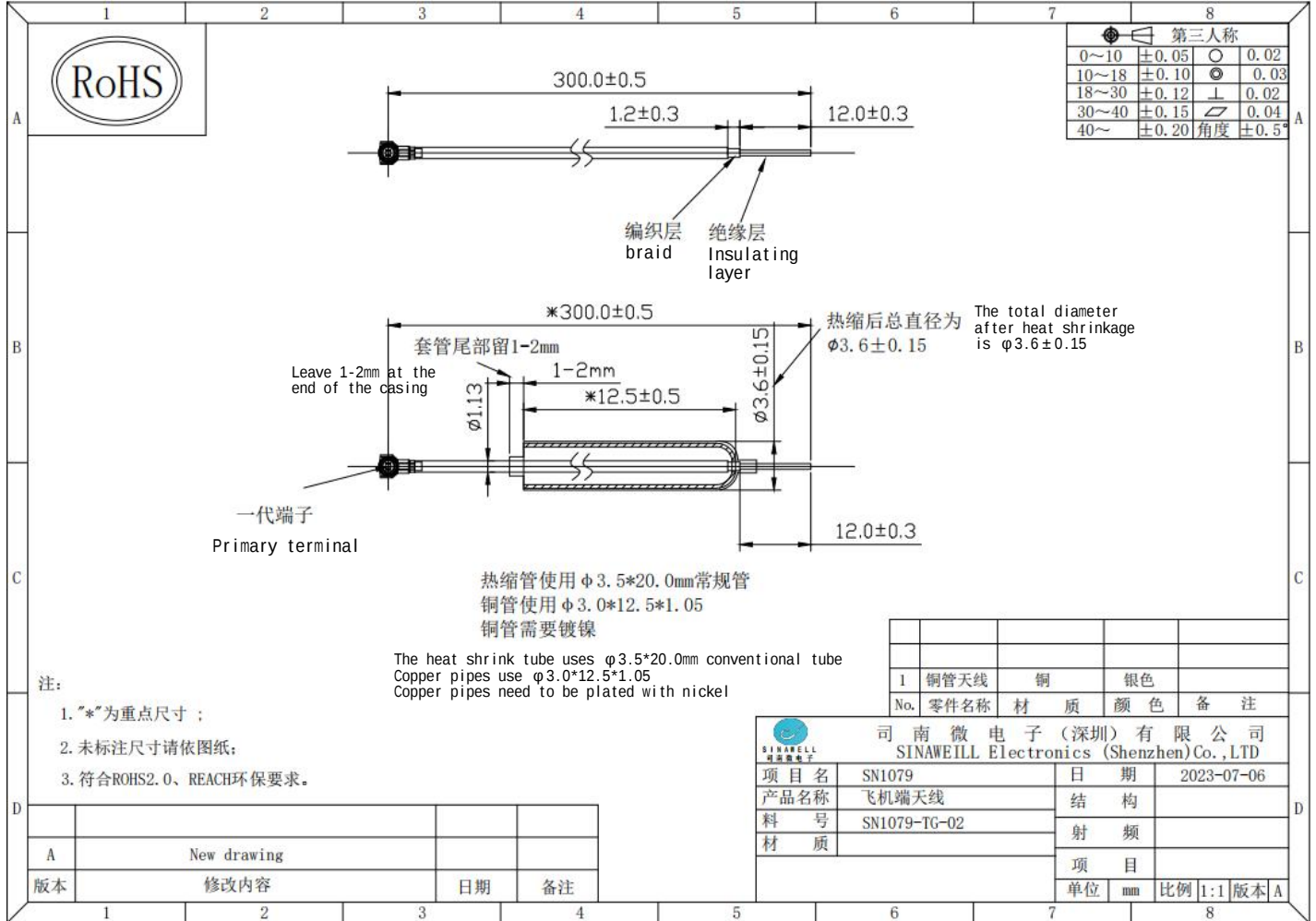
2.1. 天线频段 Antenna band

	5.8G
Transmitting band (MHz)	5180-5850MHz

天线图纸-遥控端 Antenna drawings - Remote control end

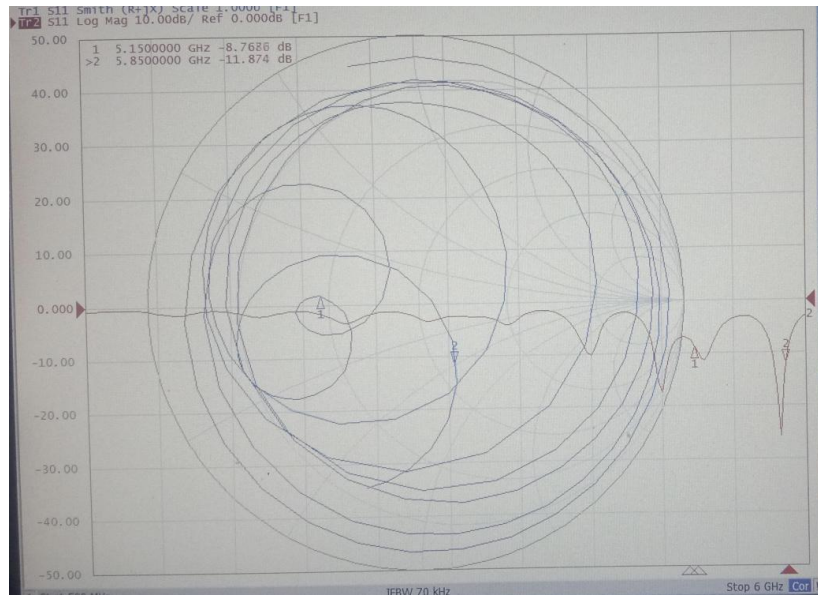


天线图纸-飞机端 Antenna drawings - Aircraft end

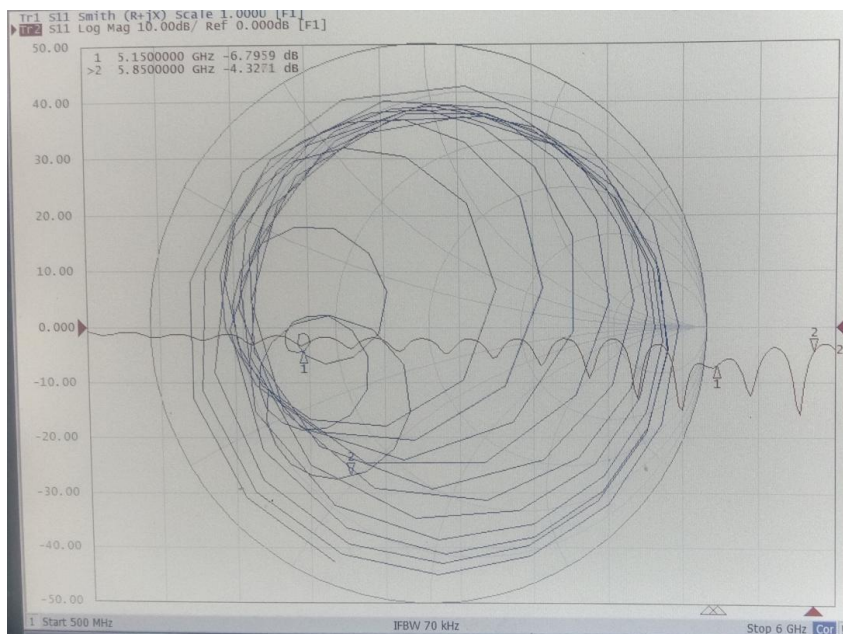


4.无源参数 Passive parameter

S11 图-遥控端 S11 Figure - Remote control



S11 图-飞机端 S11 Figure - Aircraft end

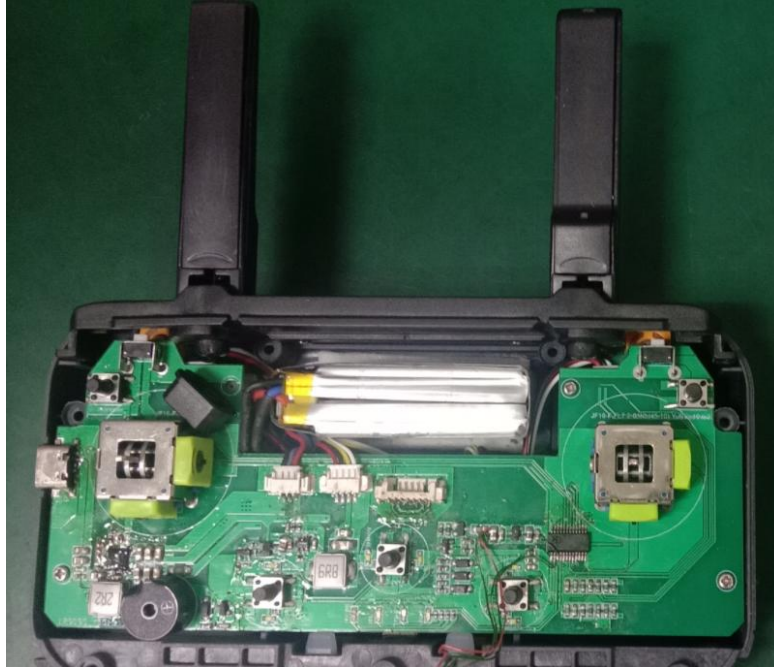


天线无源数据 Antenna passive data

飞机端 Aircraft terminal			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	56.84	-2.45	1.69
5175	59.9	-2.23	1.47
5200	61.57	-2.11	1.43
5225	60.54	-1.9	2
5250	59.14	-2.28	1.59
5275	57.93	-2.01	1.77
5300	56.83	-1.95	1.88
5325	58.27	-1.99	1.84
5350	58.99	-1.87	1.88
5375	55.01	-2.84	1.32
5400	54.4	-2.81	1.33
5425	53.18	-2.87	1.57
5450	53.1	-3.18	1.16
5475	53.24	-2.06	1.73
5500	53.97	-2.68	1.14
5525	53.77	-4.13	1.51
5550	52.63	-3.98	1.77
5575	52.81	-3.69	1.69
5600	57.95	-2.01	1.75
5625	57.72	-1.69	1.79
5650	55.1	-1.86	1.89
5675	57.38	-3.24	1.98
5700	58.15	-3.17	1.78
5725	55.16	-3	1.75
5750	55.02	-3.01	1.86
5775	53.8	-3.12	1.7
5800	54.33	-3.16	2
5825	52.43	-2.8	1.8
5850	56.89	-2.45	1.98

遥控端 Remote control terminal			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	58.54	-1.91	1.55
5175	59.72	-2.24	1.55
5200	60.63	-1.7	1.69
5225	60.32	-1.59	1.78
5250	58.83	-1.32	1.88
5275	58.93	-1.31	1.88
5300	57.83	-1.95	1.88
5325	58.42	-1.65	1.78
5350	60.13	-1.54	1.75
5375	55.78	-1.5	1.75
5400	53.4	-2.81	1.33
5425	54.45	-1.11	2
5450	55.13	-1.48	1.76
5475	56.57	-2.11	1.43
5500	55.9	-2.23	1.47
5525	53.27	-1.99	1.84
5550	53.14	-2.28	1.59
5575	54.42	-2.64	1.36
5600	56.69	-2.46	1.83
5625	55.2	-2.99	1.45
5650	53.16	-2.74	1.54
5675	57.05	-3.27	1.84
5700	58.55	-3.14	1.82
5725	56.14	-3.18	1.8
5750	56.33	-3.07	1.7
5775	52.93	-2.01	1.77
5800	52.01	-2.84	1.32
5825	55.35	-1.85	1.88
5850	56.84	-2.45	1.69

天线图-遥控端 Sky chart - remote control end



天线图-飞机端 Sky chart - Aircraft end

