

样品承认书

Confirmation of products

客户名称 Customer	REOLINK INNOVATION LIMITED				
项目名称 Project Name	B26	版本 Version	A. 1	日期 Date	2024/11/14
项目料号 Project NO.	03. 14. 03. 001	客户料号 Customer NO.	53. 05. 004. 0017		
频段 Frequency Range	2400~2500MHz 5100~5800MHz	备注 Notes	灰色壳		
设计 Designed By	张海燕 田秋奎 王宇				
审核 Approved By	解瑞洁				
客户确认 Clients' Approval					

设计单位：深圳市林荣科技有限公司

Designer: SHENZHEN 3GTX ANTENNA TECHNOLOGY CO.,LTD.

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1、Specification

This report mainly provides the testing conditions of various electric and structural performance parameters for cell phone antenna ----B26 Picture 1 shows the antenna designed by LR.



2、 VSWR Testing

2.1 Testing connection

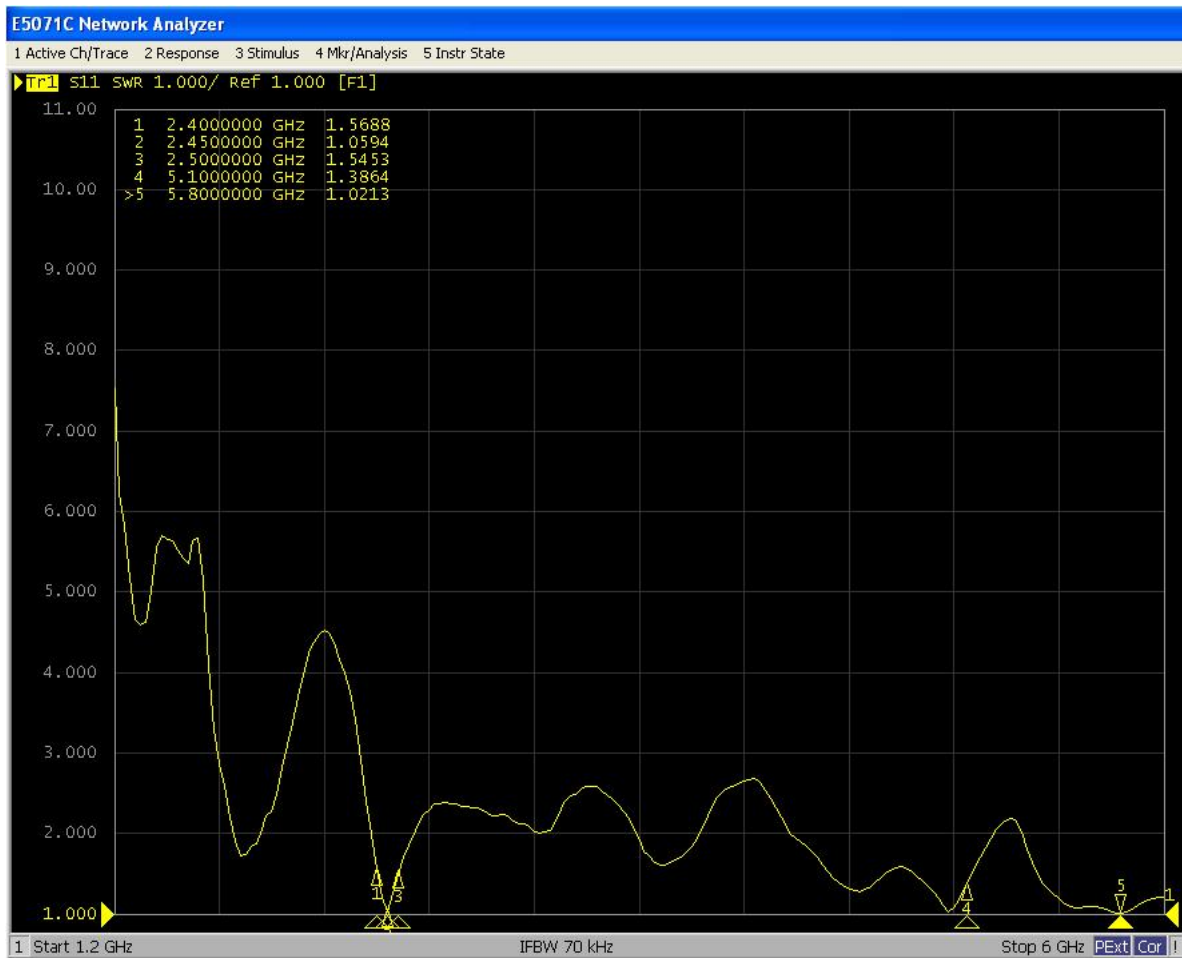
The **Return Loss** testing devices are connected in sequence: Agilent5071C Network Analyzer →Testing Cable → Customer-providing Devices.

2.2 VSWR

The following table expresses the VSWR value of antenna's two edges of its frequency range. With regard to the relevant diagram of VSWR

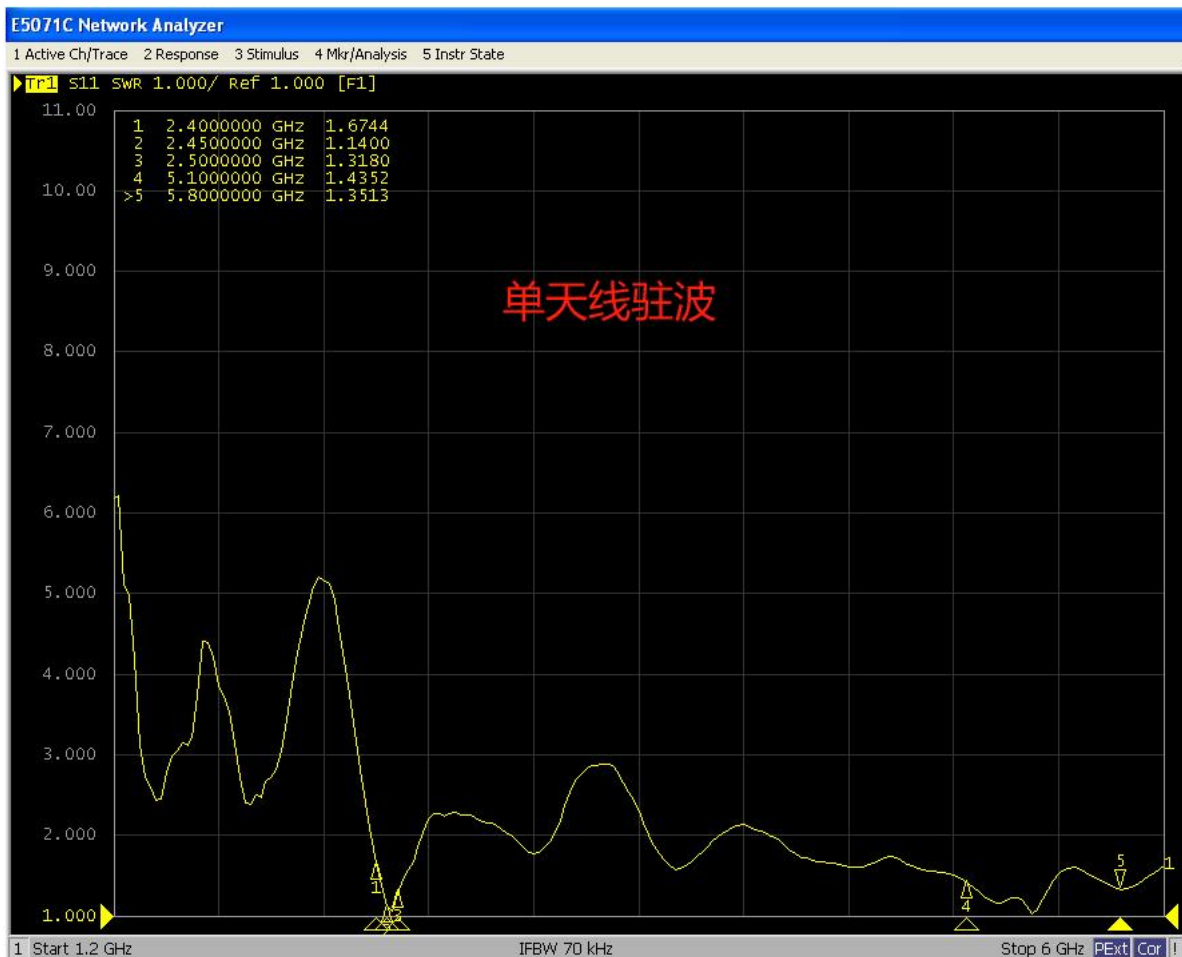
B26 WIFI VSWR					
Frequency (MHz)	2400	2450	2500	5100	5800
VSWR	1.56	1.05	1.54	1.38	1.02

2.3 Testing data



B26 antenna VSWR

2.4 Single antenna test VSWR



3、Power、Sensitivity Testing

3.1 Testing field

LR Microwave Anechoic Chamber : testing frequency ranges from 400MHz to 6GHz and the 40cm diameter spherical quiet zone, the chamber provides less than -90dB reflectivity from 400MHz—6GHz.

3.2 Testing results

The following table indicates the testing results related to Power and Sensitivity in Microwave Anechoic Chamber, concerning the relative diagram.

3.3 Active testing.

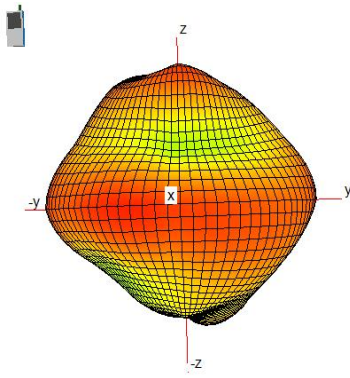
B26 Antenna efficiency:

Freq (MHz)	Gain	Efficiency (%)	Freq (MHz)	Gain	Efficiency (%)	Freq (MHz)	Gain	Efficiency (%)
2300	2.27	53.21	2530	3.06	64.14	5400	2.75	60.60
2310	2.63	55.77	2540	2.83	63.40	5420	2.92	63.62
2320	2.67	57.39	2550	2.74	63.38	5440	2.72	61.62
2330	3.12	60.32	2560	3.20	62.82	5460	2.72	61.65
2340	3.38	63.75	2570	3.31	62.97	5480	2.64	60.01
2350	3.72	66.76	2580	3.14	61.84	5500	2.55	56.26
2360	3.83	68.47	2590	3.06	61.17	5520	2.10	53.45
2370	4.08	70.69	2600	3.13	60.00	5540	2.49	56.41
2380	3.91	70.40	5100	3.03	67.81	5560	2.04	56.07
2390	3.85	70.46	5120	3.15	67.68	5580	2.22	57.50
2400	3.85	69.43	5140	2.96	64.96	5600	1.71	56.26
2410	3.60	68.78	5160	3.17	67.81	5620	2.00	55.08
2420	3.81	69.29	5180	2.78	62.80	5640	1.34	54.65
2430	3.69	69.57	5200	2.91	63.93	5660	1.53	53.43
2440	3.69	70.17	5220	3.13	68.90	5680	1.65	54.40
2450	3.69	70.25	5240	2.77	64.98	5700	1.74	55.32
2460	3.62	69.61	5260	2.74	61.72	5720	1.89	55.38
2470	3.50	67.19	5280	2.71	62.57	5740	1.87	51.40
2480	3.39	67.61	5300	2.76	59.81	5760	2.42	53.93
2490	3.46	67.84	5320	2.62	57.58	5780	2.46	53.99
2500	3.36	67.86	5340	2.92	61.02	5800	2.44	54.81
2510	3.07	66.07	5360	3.21	63.23			
2520	3.21	65.75	5380	3.01	62.54			

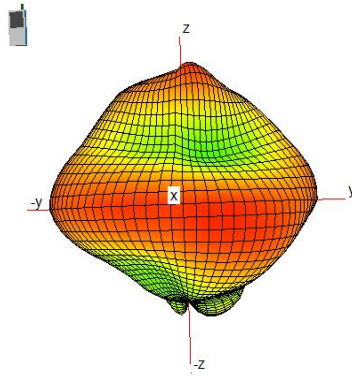
B26 Active data:

WIFI	TRP		TIS
11B-11M	1	15.60	-85.93
	6	15.88	
	11	15.63	-84.68
11G-54M	1	13.79	
	6	13.80	
	11	13.83	-72.64
11N-65M	1	15.68	
	6	15.94	
	11	15.78	-68.65
11A-54M	36	13.58	
	56	13.77	
	161	12.82	-73.25

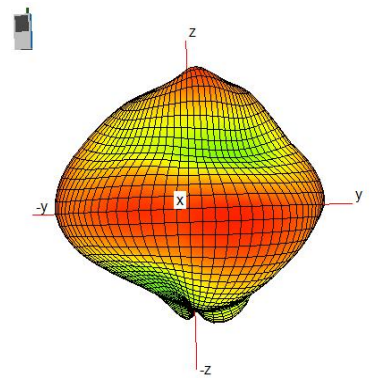
3.4 Antenna 3D pattern



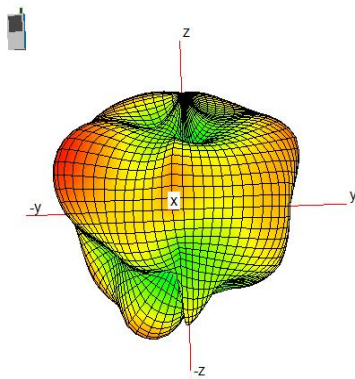
2400MHz



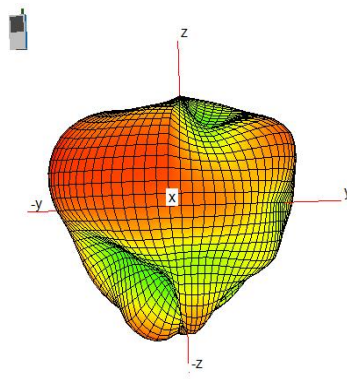
2450MHz



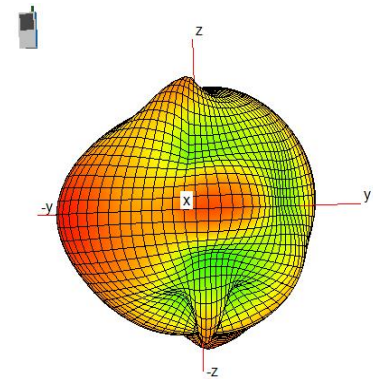
2500MHz



5100MHz



5500MHz

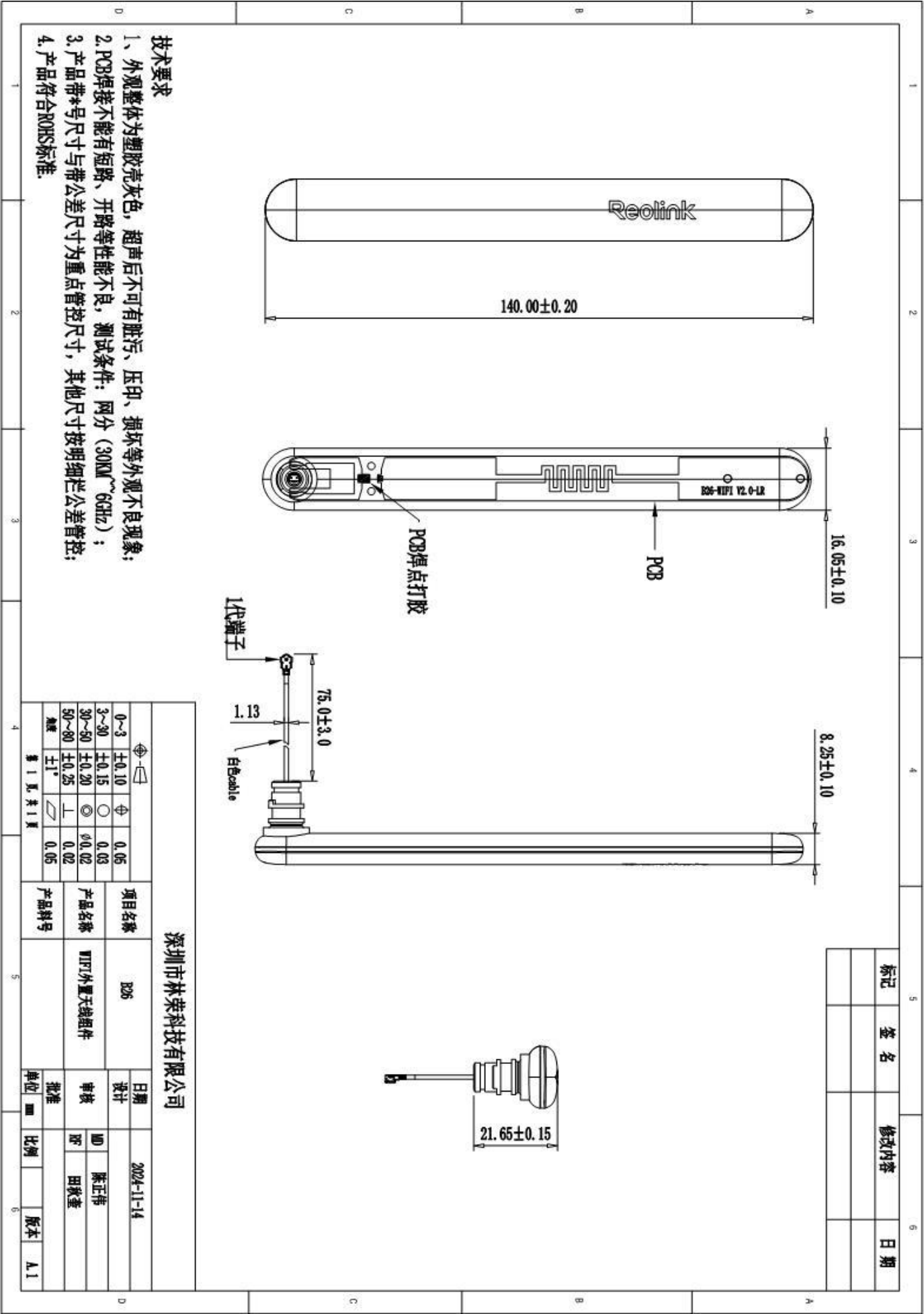


5800MHz

4、Environmental treatment

Original overall environment

5、Mechanical Dimension Drawing



6. Mechanical Dimension Testing report

全尺寸测量报告

Vendor(供应商)		材质名称		PCB		Part NO(料号)		03.14.03.001		Tool Number (模号)		Cav. Number(穴数)		Unit(单位)		Quality(品质签字)										
林荣科技		材质 牌子		/		Part Name (零件名称)		B26 WIFI天线		/		Rev(版本)		A.1		MILLIMETERS ☐ INCHES		万江华								
日期		2024-11-14				MEASURED DIMENSION(实测尺寸)					% TOLERANCE USED (公差使用百分比)			DISPOSITION					ACCEPTABLE VARIANCE							
#	DIMENSION	DRAWING ZONE		+ TOL.	- TOL.	NOTE		SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	UPPER	LOWER	0%-25%	25%-50%	50%-75%	75%-100%	100%+	Re-Measure	Accept	Fix Tool	Accept With Variance	DIMENSION	+ TOL.	- TOL.
1	140.00			0.20	(0.20)			140.08	140.10	140.12	140.02	140.12	60%	0%	X		X							140.00	140.12	140.02
2	16.05			0.10	(0.10)			16.05	16.03	16.06	16.04	16.07	20%	-20%	X				X					16.05	16.07	16.03
3	75.00			3.00	(3.00)			78.00	76.00	75.00	77.00	76.00	100%	0%	X				X					75.00	78.00	75.00
4	8.25			0.10	(0.10)			8.31	8.27	8.28	8.29	8.28	60%	0%	X		X							8.25	8.31	8.27
5	21.65			0.15	(0.15)			21.67	21.69	21.70	21.68	21.65	33%	0%	X	X								21.65	21.70	21.65
6	以下空白																									
7																										
8																										
9																										
10																										
11																										
12																										
13																										

备注：除了上述标注的填写内容外，须输入的内容：
1. DIMENSION, +TOL, -TOL, SAMPLE1, SAMPLE2, SAMPLE3
2. 注意1中描述的内容输入时，请：
a. 在%TOLERANCEUSED(公差使用百分比)中无论是UPPER还是LOWER>100%，须：
(1) 检查输入数据是否输入错误；(2) 测量数据是否操作有误差或是仪器测量不准；(3) 测量时间是否不适宜；(4) 排除了(1)(2)(3)外，仍然>100%，请设计师对每个尺寸的后面作出选择即从“Re-measure, Accept, Re Tool, Accept Variance”中选一，若是选Accept with variance, 必须完成后面的Dimension, +TOL, -TOL；
b. DIMENSION栏中的即尺寸前—栏中的DIM.#必须与图面上的一致，同时注意，在作Cpk的尺寸的编号与FAT全尺寸测量报告中的尺寸的编号必须是相同的，且Cpk尺寸必须被用符号标注，此标注号必须表示的意思是该尺寸为重点管控尺寸，要做Cpk；
c. 测量工具代号Measure No.：A=callipers(0.00) B=micrometer(0.000) C=Pin Gauge(0.000) D=High Gauge(0.000) E=CM(0.000) F=Plug Gauge(0.00) G=R Gauge(0.0) I=Deep Gauge(0.000)

7. Packaging standard

包装说明：具体包装数量以实物为准，图片只显示包装的方式，并非此项目实物。
 Packaging Description: the specific packaging quantity is subject to the physical object. The picture only shows the way of packaging, not the physical object of the project



天线用 PE 袋包装
 The top cover board, with PE film packaging



防潮防水 PET 袋封装，放于纸箱或胶筐内
 Moistureproof waterproof PET bag packaging,
 Put in the cartons



纸箱用胶带封口
 Carton sealing with duct tape



包装箱整箱外观 ()
 Cases appearance