

深圳市千目通讯科技有限公司
Shenzhen Qianmu Communication Technology Co., Ltd

Antenna acknowledgement

Applicable model	A10_L		
Customer			
Specification description			
	Product content	Specification	Customer material code
Specification description	WIFI antenna	FPC/Black/Character QM-F101W-V1.1	
	WIFI antenna panel	PCB small board/coaxial line ϕ 0.81*142.5mm/conductive cloth	
Change resume			
NO.	Date	Version	Brief introduction of changes
1	2022-08-31	V1.0	New project
2	2022-09-06	V2.0	Change line length
3			

Supplier sample confirmation					
R&D	Structure	Audit	Judge		
			PASS <input checked="" type="checkbox"/>		
			FAIL <input type="checkbox"/>		
Customer sample confirmation					
Electron	Structure	Project	Procurement	Quality	Audit
Reasons for rejection or other precautions:					

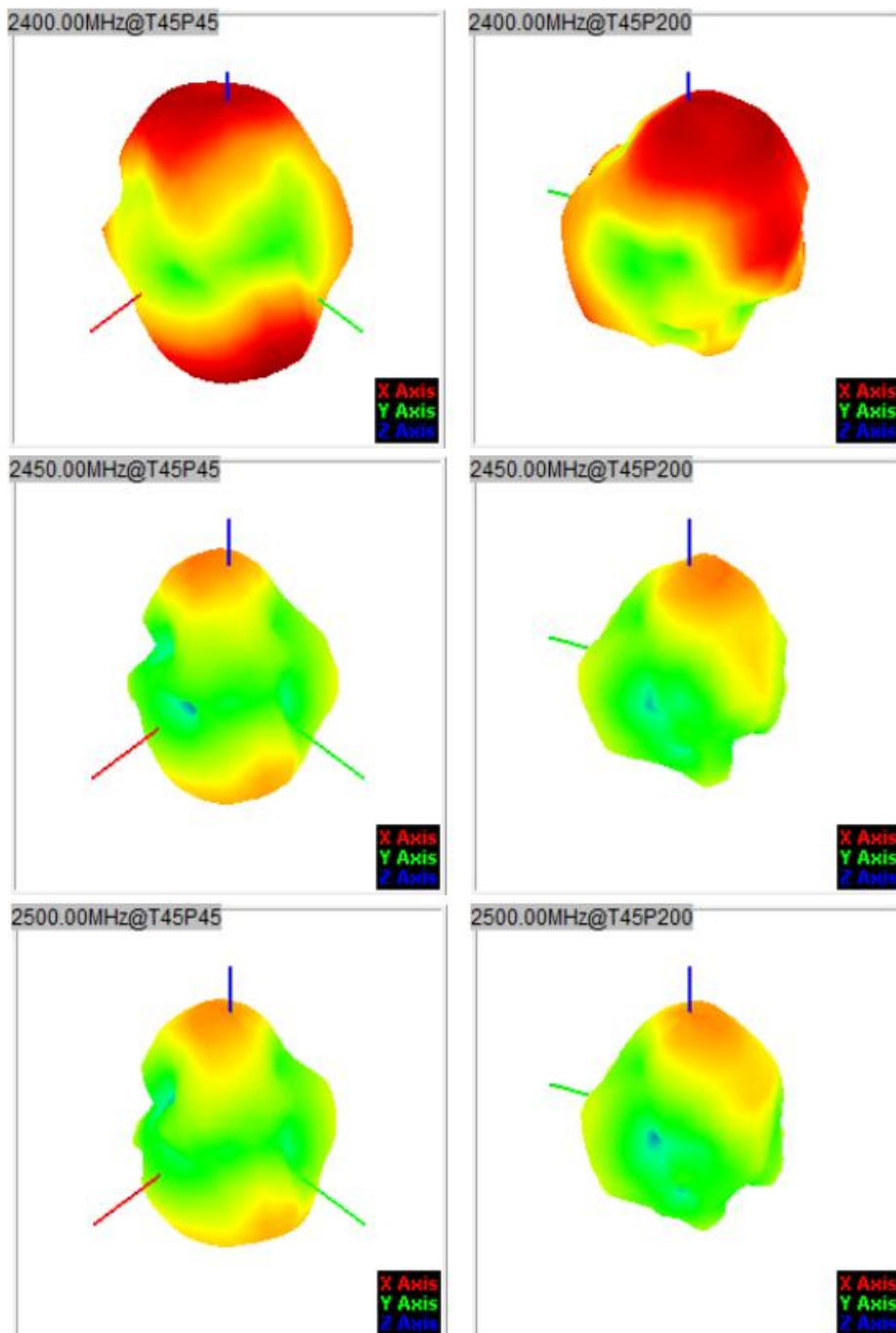
1. Active power test data

	WiFi 2400 ~ 2500Mz 802.11 b 11Mbps		
Channel	1	6	11
TRP	13.67	13.22	14.25
TIS	-76.66	-75.65	-76.54

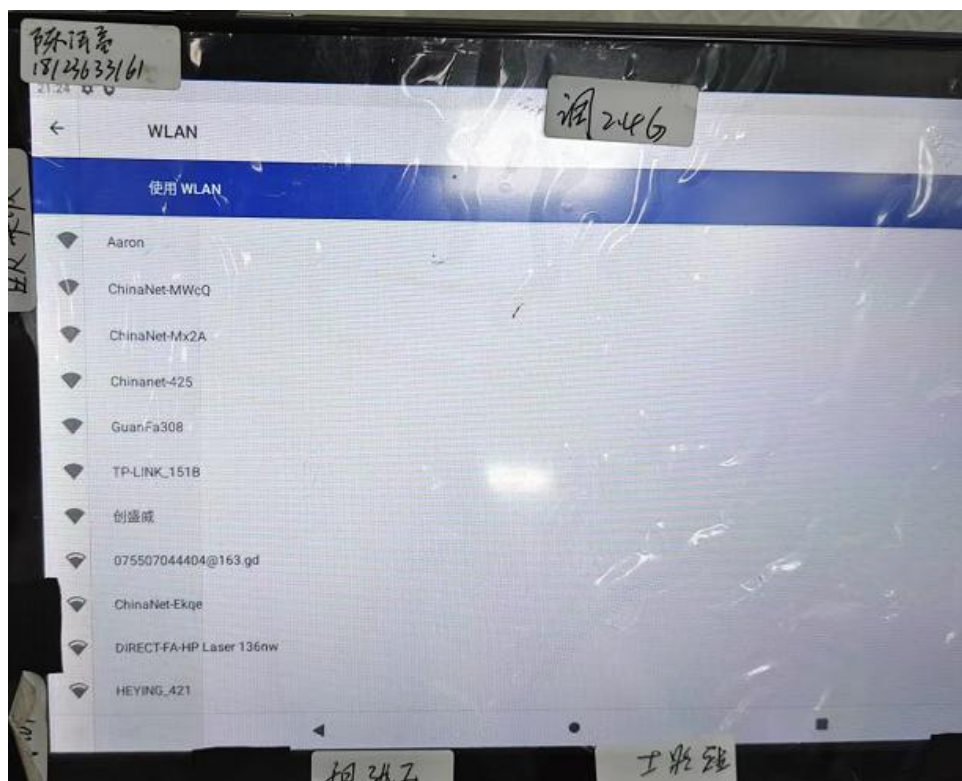
2. Passive 2.4G test

Frequency ID	1	2	3	4	5	6	7	8	9	10
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490
Ant. Port Input Pwr.	0	0	0	0	0	0	0	0	0	0
Tot. Rad. Pwr. (dBm)	-5.85	-5.9	-5.89	-5.72	-5.72	-5.5	-5.64	-5.91	-5.88	-5.71
Peak EIRP (dBm)	-0.15	-0.44	-0.32	-0.1	0.03	0.27	0.1	-0.25	-0.17	0.03
Directivity (dBi)	5.7	5.46	5.56	5.62	5.74	5.77	5.75	5.66	5.72	5.74
Efficiency (dB)	-5.85	-5.9	-5.89	-5.72	-5.72	-5.5	-5.64	-5.91	-5.88	-5.71
Efficiency (%)	26	25.7	25.8	26.8	26.8	28.2	27.3	25.6	25.8	26.9
Gain (dBi)	-0.15	-0.44	-0.32	-0.1	0.03	0.27	0.1	-0.25	-0.17	0.03
NHPRP $\pm\pi/4$ (dBm)	-7.69	-7.78	-7.8	-7.64	-7.63	-7.4	-7.52	-7.77	-7.73	-7.55
NHPRP $\pm\pi/6$ (dBm)	-9.13	-9.23	-9.25	-9.09	-9.09	-8.85	-8.98	-9.26	-9.24	-9.05
NHPRP $\pm\pi/8$ (dBm)	-10.24	-10.35	-10.38	-10.21	-10.2	-9.97	-10.12	-10.4	-10.38	-10.19
Upper Hem. PRP (dBm)	-8.83	-8.84	-8.82	-8.67	-8.67	-8.45	-8.6	-8.89	-8.88	-8.71
Lower Hem. PRP (dBm)	-8.89	-8.99	-8.97	-8.79	-8.79	-8.57	-8.71	-8.96	-8.91	-8.73
Upper Hem. PRP (%)	13.1	13.07	13.12	13.58	13.58	14.29	13.81	12.92	12.95	13.46
Lower Hem. PRP (%)	12.92	12.63	12.67	13.21	13.23	13.89	13.46	12.72	12.85	13.39

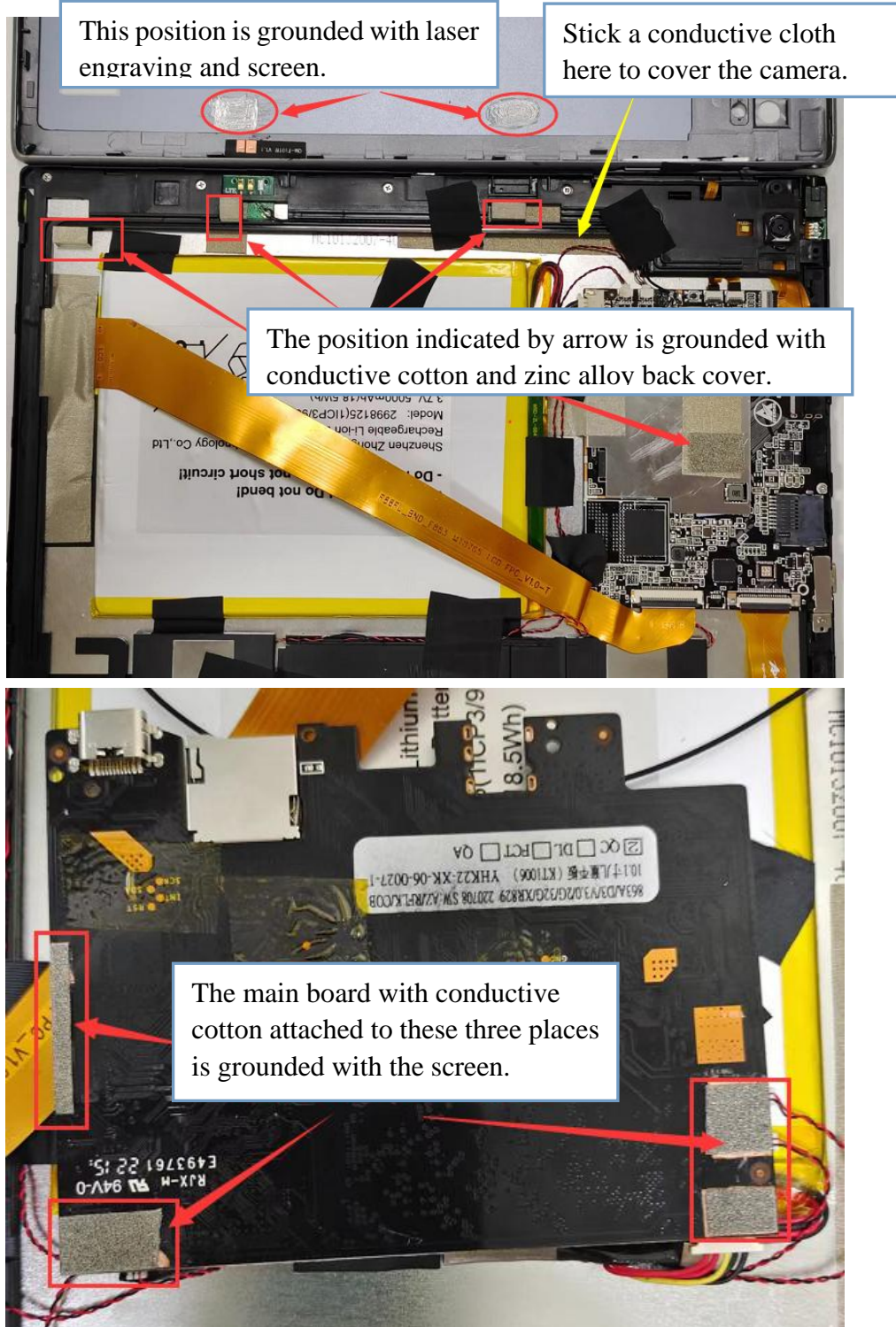
3.2.4G direction map



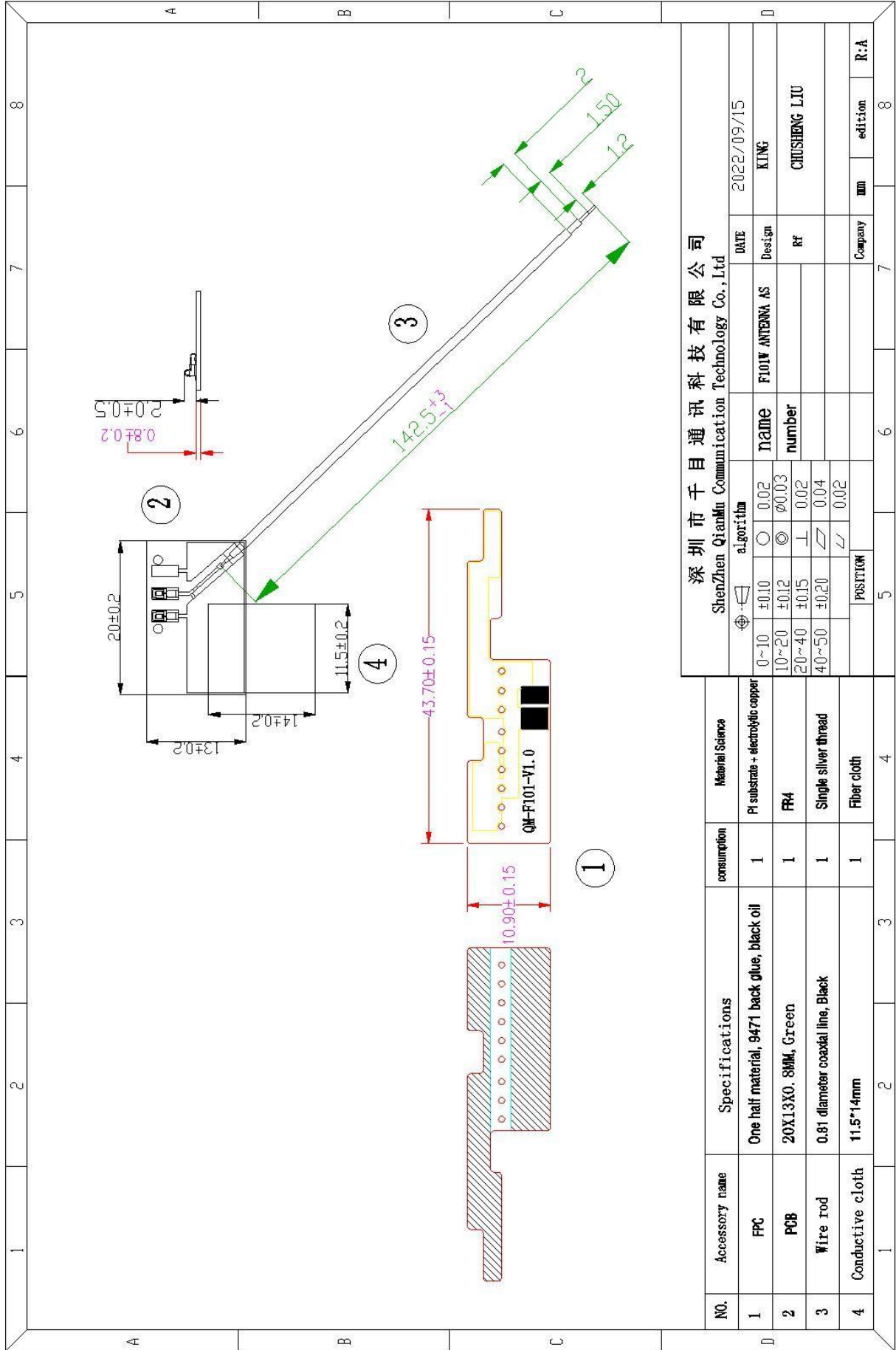
4. Wifi measurement



5. Description of environmental treatment



6.Structural drawings



深圳市千目通讯科技有限公司
Shenzhen Qianmu Communication Technology Co., Ltd

NO.	Accessory name	Specifications	consumption	Material Science	DATE		Company	
					Design	DATE	mm	edition
1	FPC	One half material, 9471 back glue, black oil	1	PI substrate + electrolytic copper	KLING	2022/09/15		R:A
2	PGB	20X13X0.8MM, Green	1	FR4				
3	Wire rod	0.81 diameter coaxial line, Black	1	Single silver thread				
4	Conductive cloth	11.5*14mm	1	Fiber cloth				