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Xinhengyang antenna test data report

Customer name	Xinhuabang	model	Tianhe V2
NO	directory	specification	
1	Frequency band	2400MHZ-2500MHZ+5100MHZ-5800MHZ	
2	Item type	Flat plate	
3	terminal	Fourth generation terminal	
4	Feed point type	CABLE	
5	Line length	∅ 0.81 L=175MM	
6	Antenna type	PIFA	
7	Antenna material	FPC	
8	remarks		
RF	Xiao Tanping	17347352784	xinhengyang1116@163.com

directory

1. Introduction to the test darkroom
2. Machine picture
3. Passive field pattern diagram
4. Passive gain & efficiency
5. WiFi measured distance
6. Environmental treatment
7. Antenna assembly

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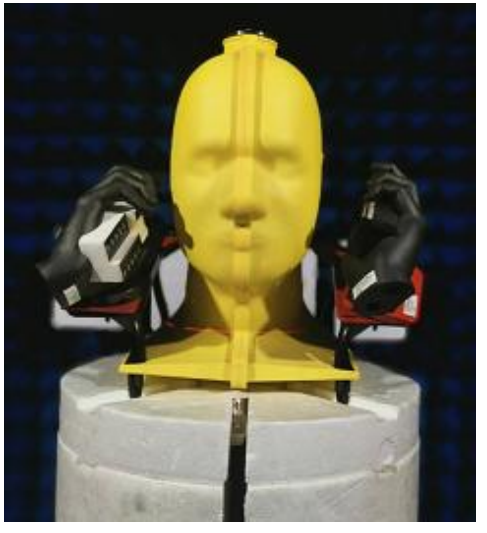
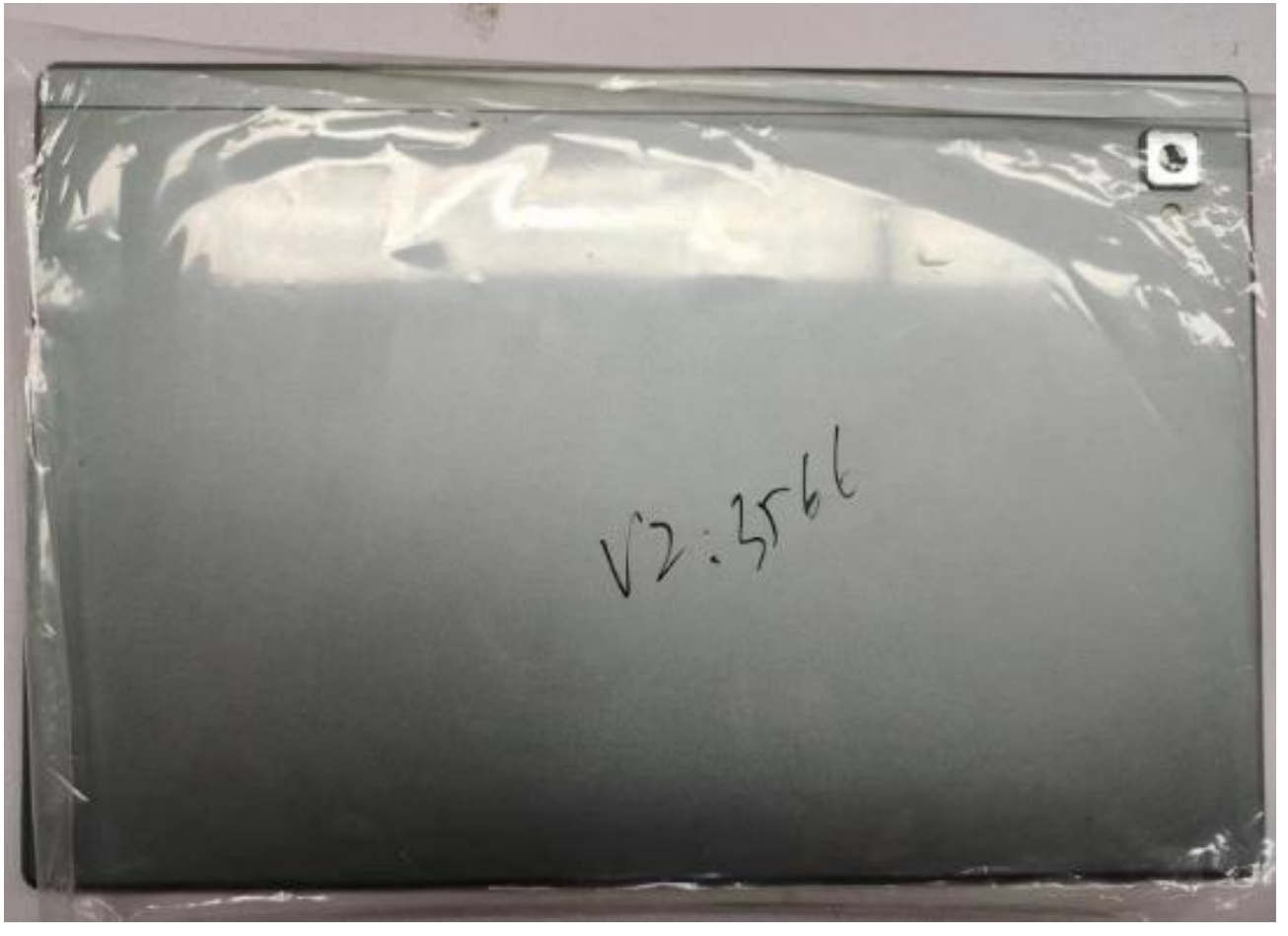
1. Introduction to the test darkroom

1. Active test: Support 2.3.4.5G standard multi-mode measurement NB-IoT, eMTC, CAT-1, Bluetooth1-5, WIFI802.11abgn, TRPTIS can be measured
2. Passive test: Can test the gain, efficiency
3. TWS headset test head mold Full head hand



2.Machine picture



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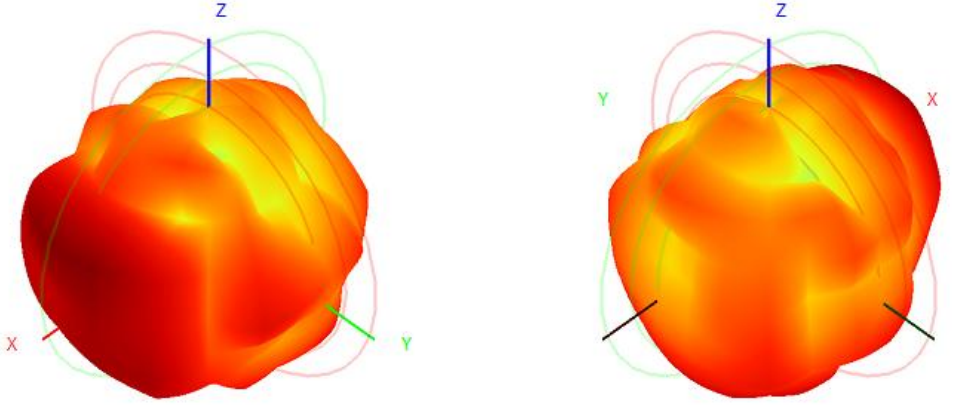
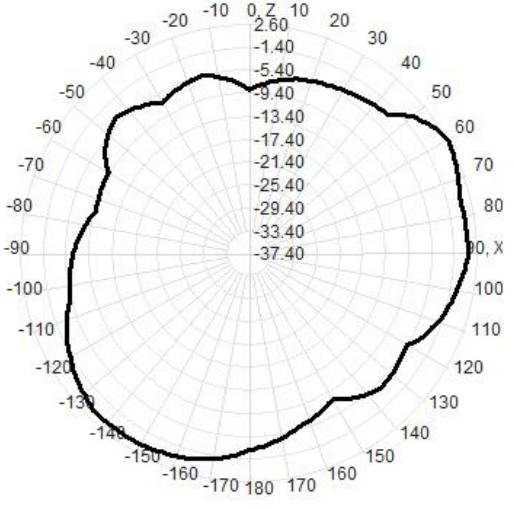
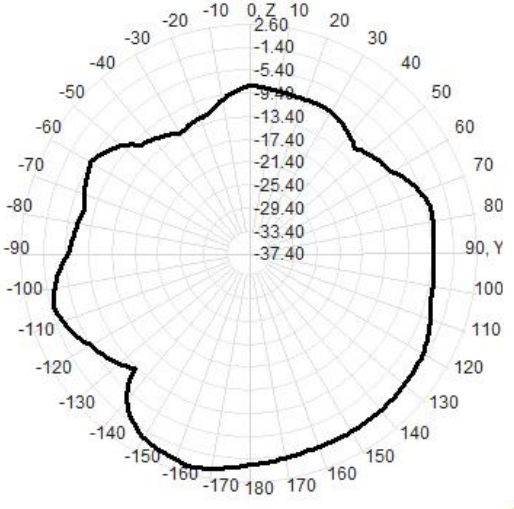
2. Passive field pattern diagram（2400-2500MHz）



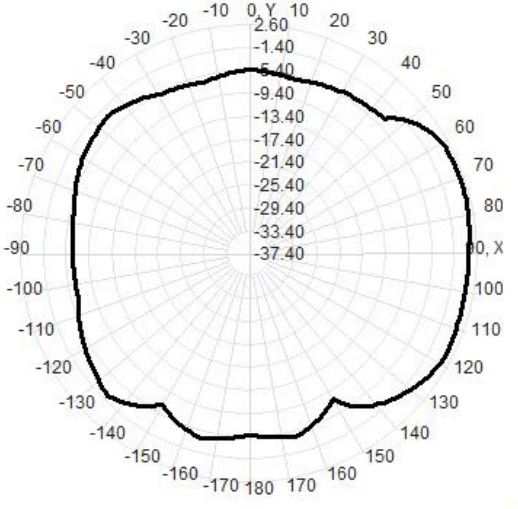
2400.0MHz Total(E1-XZ), Max= 2.60dBi



2400.0MHz Total(E2-YZ), Max= 1.01dBi



Total(H-XY), Max= 1.63dBi, CirD=9.85



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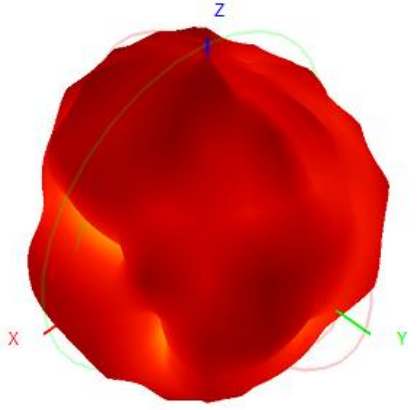
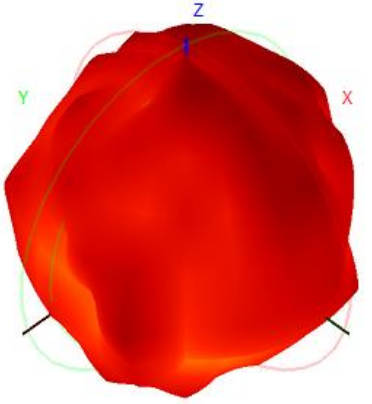
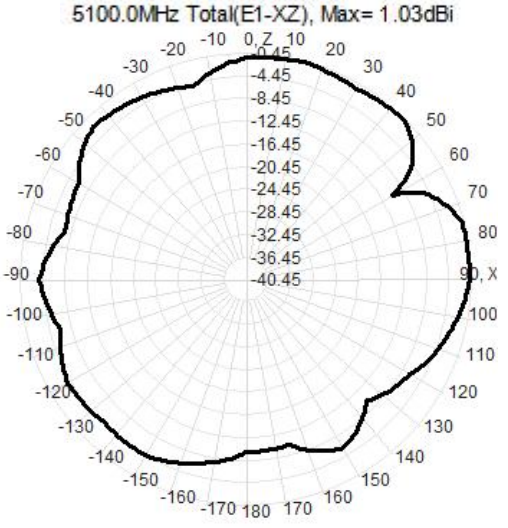
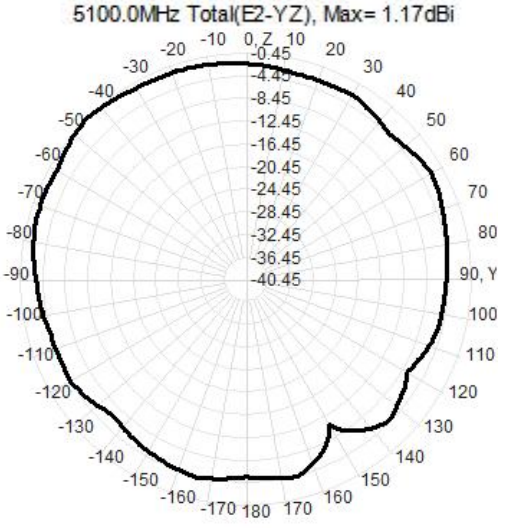
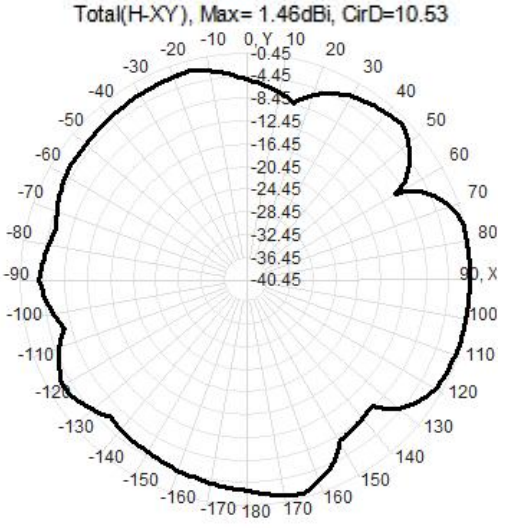
3. Passive field pattern (5100-5800MHz)











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4. Passive efficiency & Gain

Freq (MHz)	Effi(%)	Gain (dBi)	Freq (MHz)	Effi(%)	Gain (dBi)
2400	51.81	2.60	5200	41.50	1.43
2410	53.64	2.78	5250	53.54	1.57
2420	53.90	2.80	5300	48.45	0.67
2430	55.20	2.89	5350	39.74	0.69
2440	54.63	2.87	5400	49.46	0.73
2450	55.05	2.88	5450	54.41	1.41
2460	53.13	2.61	5500	40.05	0.45
2470	53.31	2.42	5550	35.73	0.55
2480	52.72	2.50	5600	36.17	0.67
2490	53.42	2.62	5650	33.04	0.64
2500	52.89	2.52	5700	30.70	0.15
5100	45.27	1.03	5750	31.51	0.54
5150	43.76	1.30	5800	31.29	0.55

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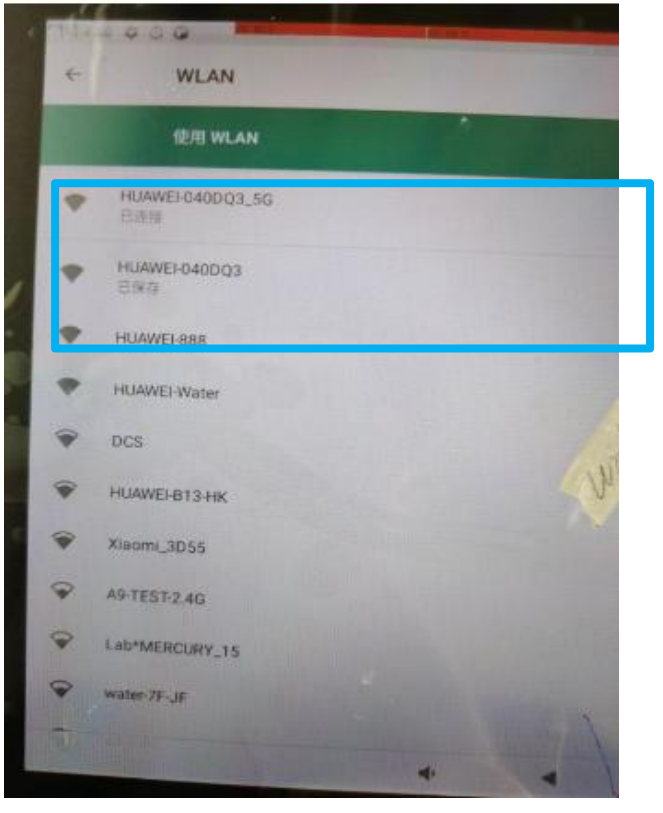
5.WiFi measured distance



2.4GWiFi is about 16m measured by our company, and 5GWiFi is about 13m measured by our company

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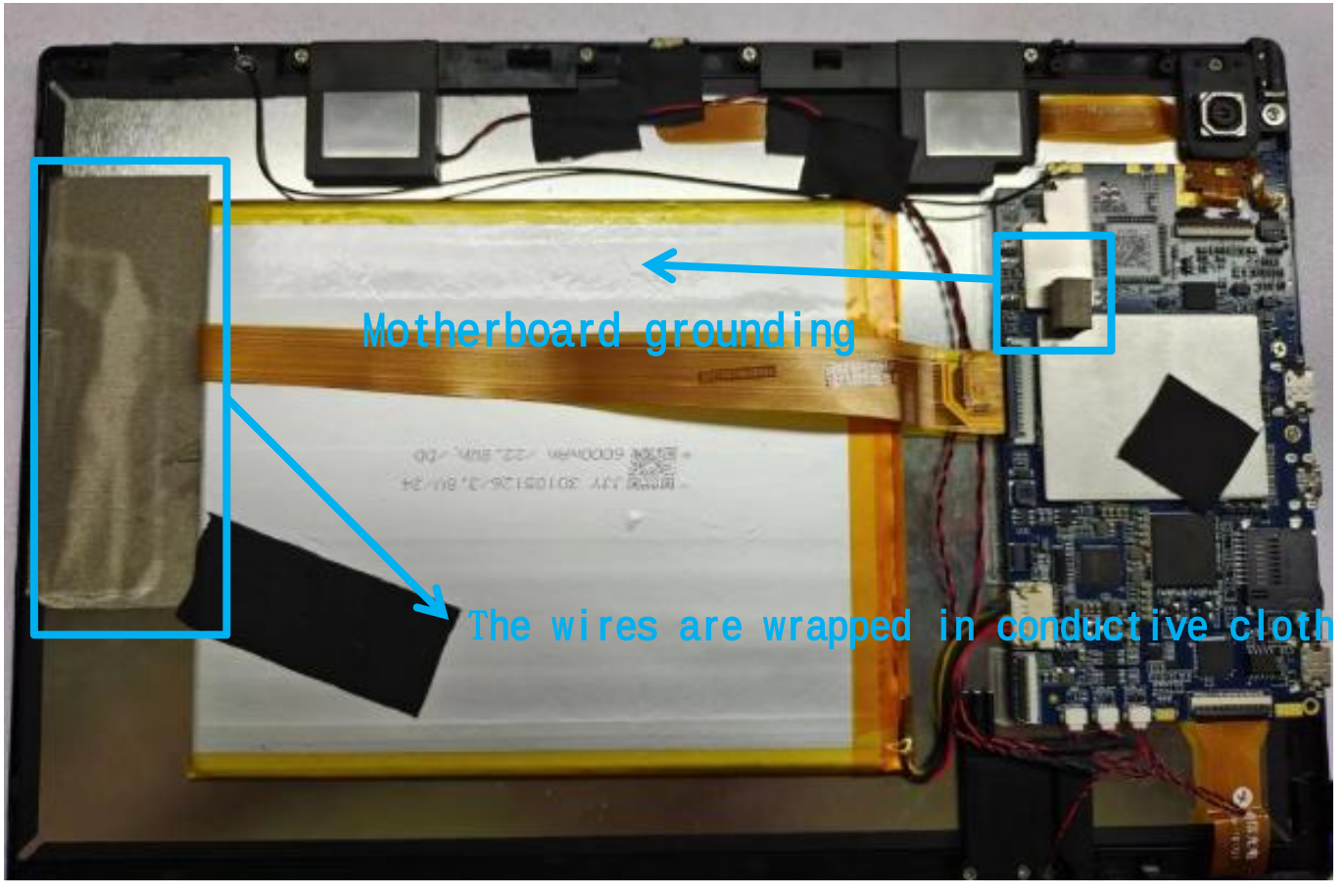
6. Environmental treatment



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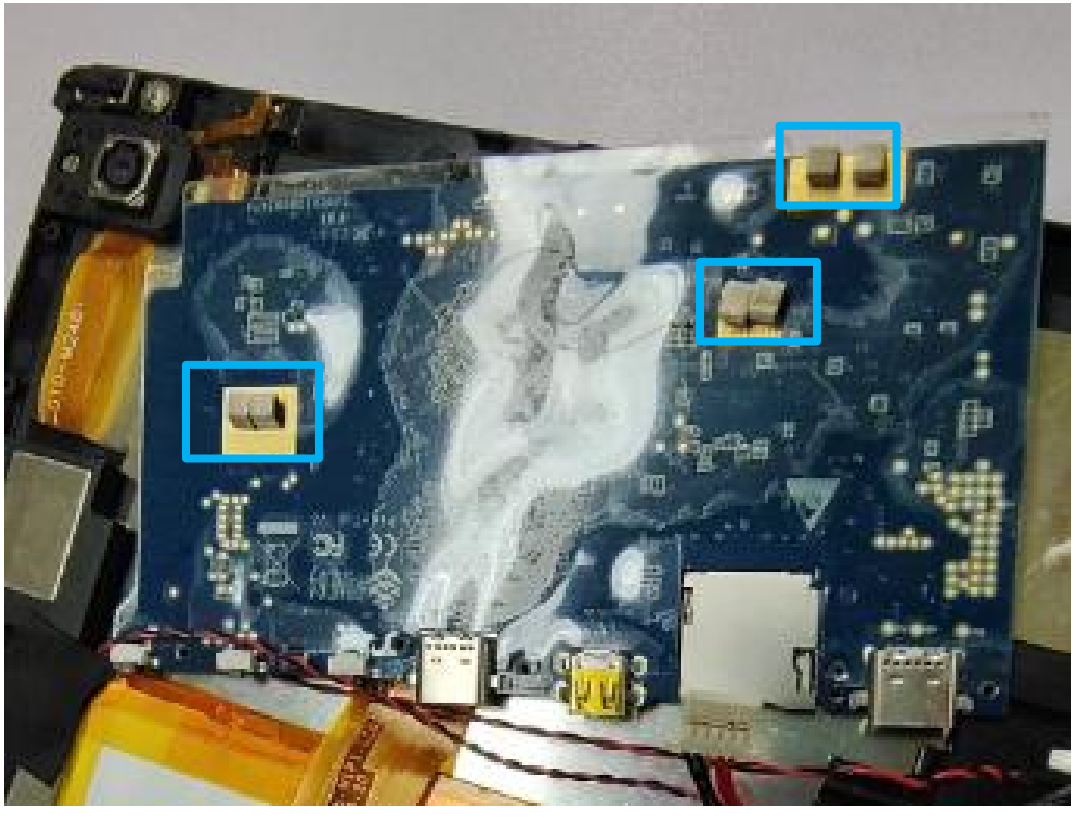
6. Environmental treatment



As shown in the figure box, the motherboard is grounded with conductive foam

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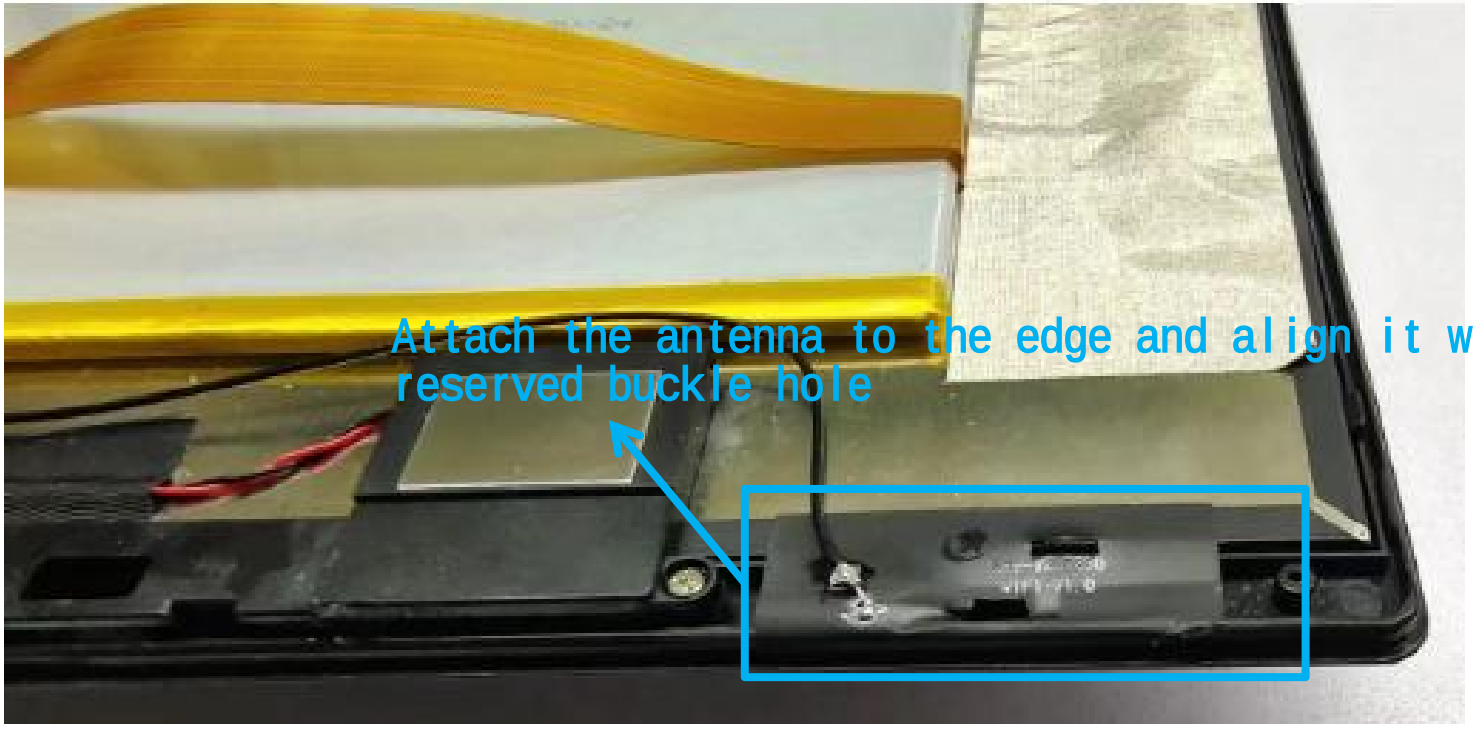
7. Antenna assembly



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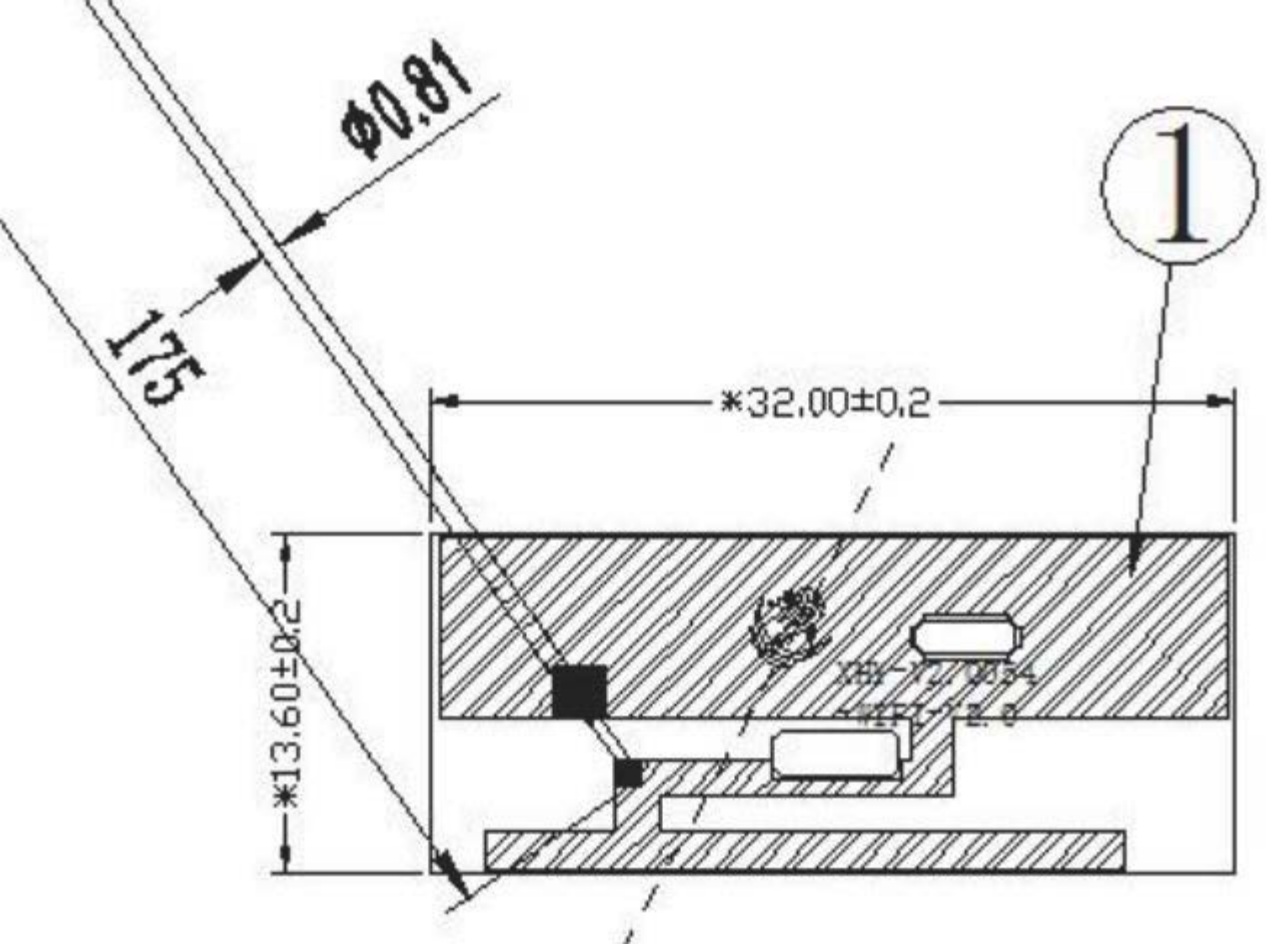
Ø0.81
175
1
*32.00±0.2
*13.60±0.2

谢　　谢

如有疑问，请电话沟通

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电话：0755-83600916　　研发部：0755-86715202

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