



Shenzhen Xinhengyang Technology Co., LTD



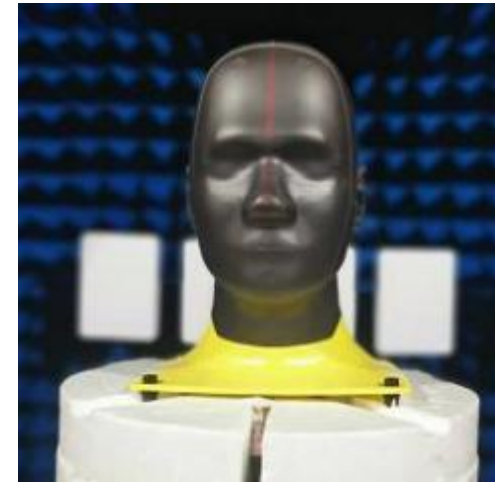
Customer name	Heshijia	Project name	
NO	item	expatiate	
1	Frequency band	2.4GHZ+5GHZ	
2	Item type	Pet feeder	
3	Antenna space area		
4	Feed point type		
5	sensitivity		
6	Antenna type	FPC	
7	PCB board length		
8	remark		
RF	Tanping Xiao	17347352784	xinhengyang1116@163.com

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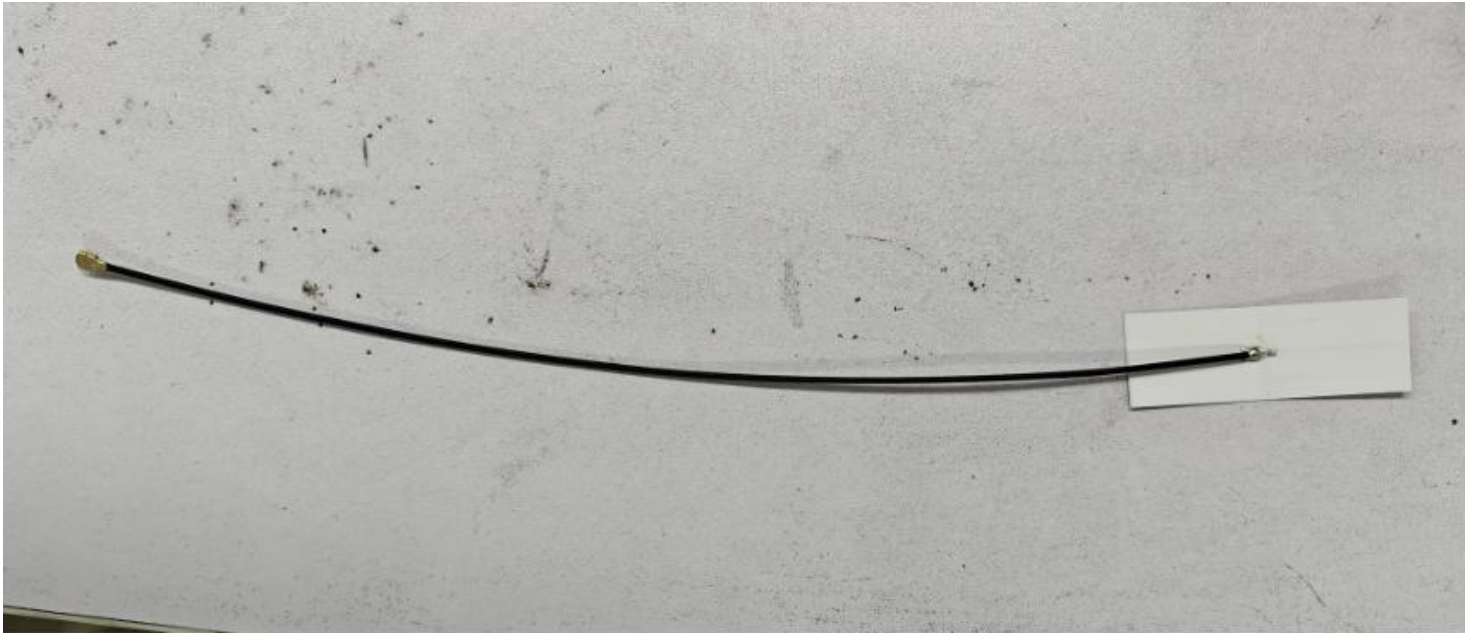
1. Introduction to the test darkroom
2. Antenna picture
3. Return Loss&VSWR
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1. Introduction to the test darkroom

1. Active test: Support 2.3.4.5G standard multi-mode measurement NB-IoT, eMTC, CAT-1, Bluetooth1-5, WIFI802.11abgn, measurable TRP TIS
2. Passive test: can test gain, efficiency
3. TWS headset test head model full head hand



2. Antenna picture



3. Return Loss&VSWR



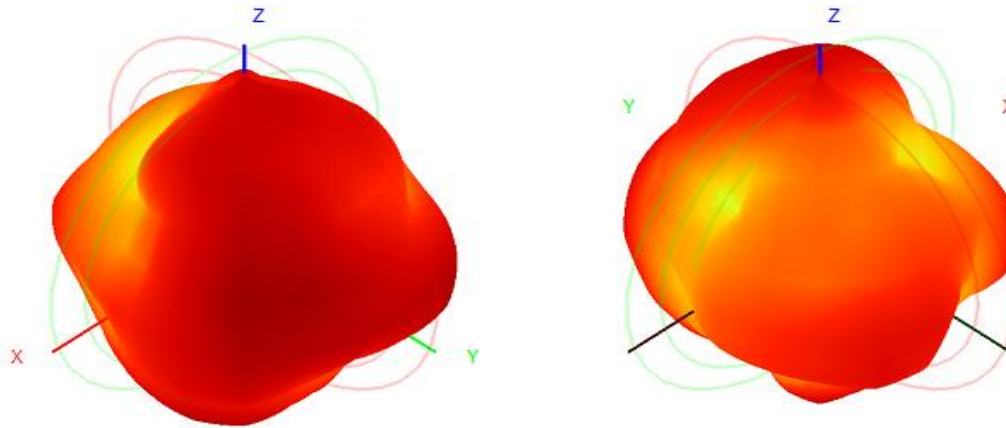
4. Passive efficiency & Gain

2400MHZ-2500MHZ					
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	60.29	2.25	2455	61.57	3.18
2405	59.54	2.20	2460	61.00	3.12
2410	59.02	2.21	2465	60.64	3.13
2415	59.52	2.36	2470	50.79	3.14
2420	60.41	2.50	2475	61.01	3.08
2425	60.71	2.58	2480	61.50	3.03
2430	60.73	2.73	2485	63.39	3.10
2435	61.05	2.88	2490	65.36	3.25
2440	61.89	2.98	2495	66.17	3.15
2445	61.98	3.03	2500	67.02	3.26
2450	61.60	3.13			

4. Passive efficiency & Gain

5150MHZ-5850MHZ					
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
5150	59.97	3.03	5510	55.62	2.78
5170	56.35	2.82	5530	54.06	2.49
5190	57.16	3.19	5550	53.71	2.28
5210	60.62	3.77	5570	56.45	2.49
5230	64.65	4.01	5590	57.74	2.61
5250	59.97	4.17	5610	60.22	2.62
5270	56.51	4.19	5630	58.30	2.64
5290	63.94	3.38	5650	57.62	2.64
5310	54.91	3.27	5670	54.71	2.16
5330	58.72	2.04	5690	53.74	2.62
5350	57.00	2.17	5710	52.34	2.29
5370	54.73	2.46	5730	53.12	2.08
5390	57.73	3.05	5750	55.04	2.28
5410	53.65	3.30	5770	55.78	2.45
5430	61.46	4.20	5790	54.19	2.23
5450	61.54	3.56	5810	52.77	2.58
5470	56.21	3.40	5830	54.05	1.48
5490	50.01	3.12	5850	53.78	1.20

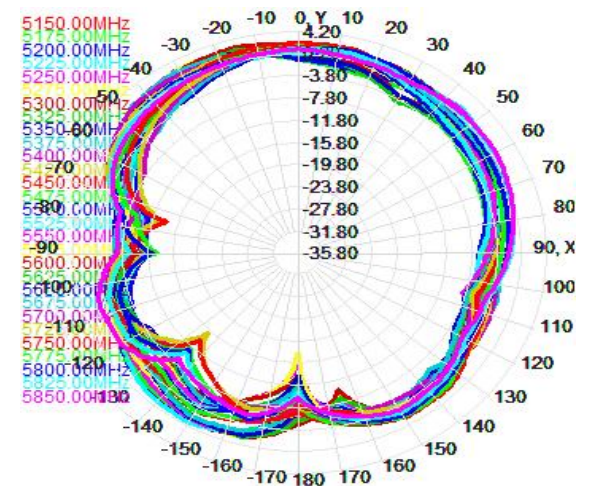
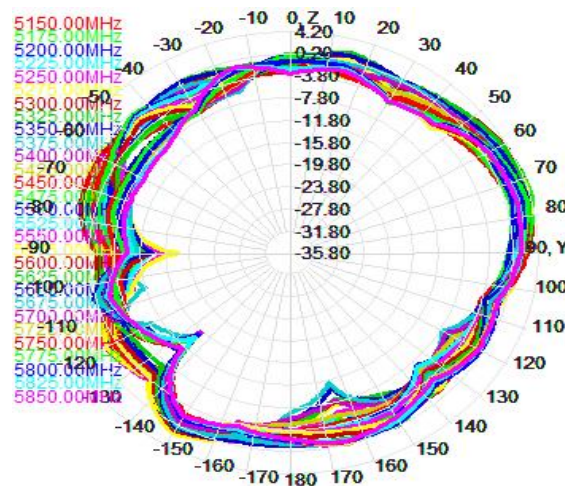
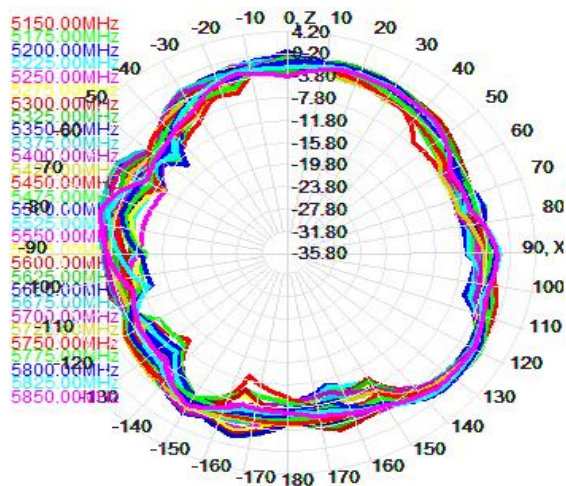
5. Passive field pattern (5150-5850MHz)



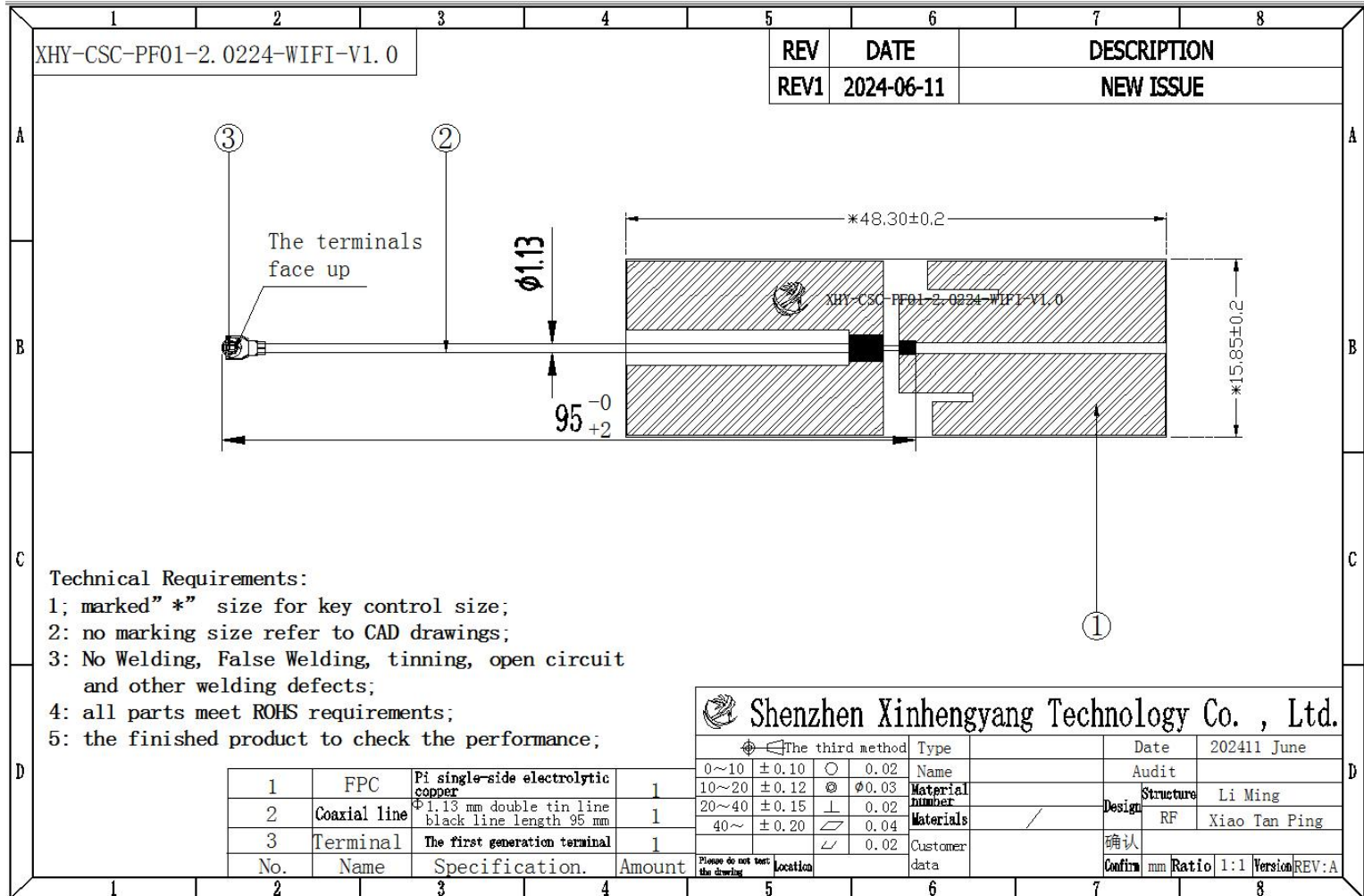
$E(xz)$

$E_2(yz)$

$H(xy)$



6. Antenna drawing size





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thank you

If you have any questions, please call

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