

Shenzhen Qianmu Communication Technology Co.,Ltd.

No. 425.443, 4th Floor, Building A, Huafeng Zhigu-Hangcheng High-tech Industrial Park, Hangcheng Road, Sanwei Community,
Hangcheng Street, Baoan District, Shenzhen

Antenna Acceptance Letter

Applicable models	2.4G WIFI Antenna		
Customer			
Specifications describe			
	Product content	specification	Customer Material Code
Specifications describe	2.4G antenna	On-board antenna	Model: A17W
Change the resume			
No	Date	Vension	Description of Changes
1	2020-9-02	V1.0	new project
2			
3			

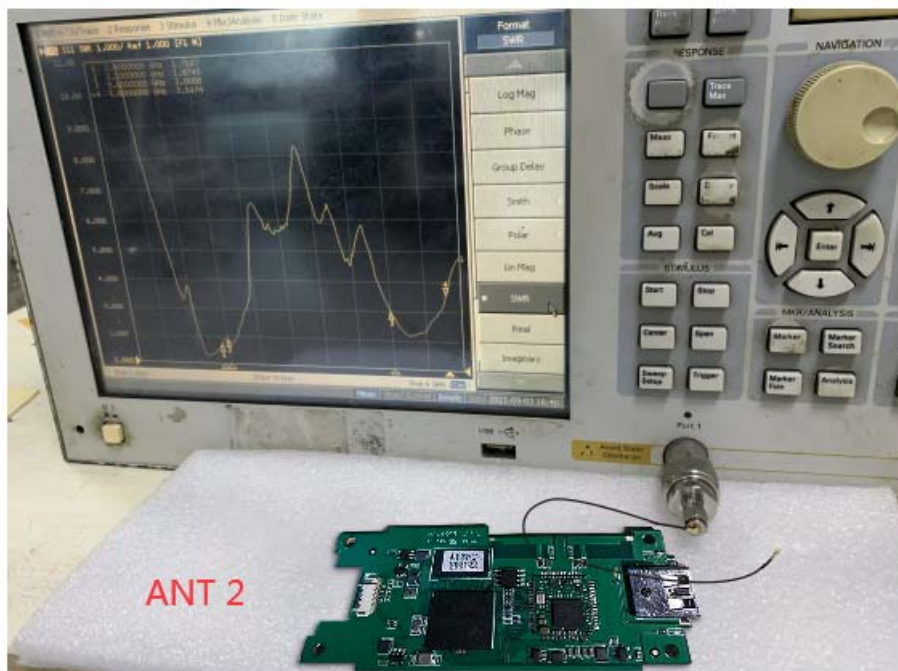
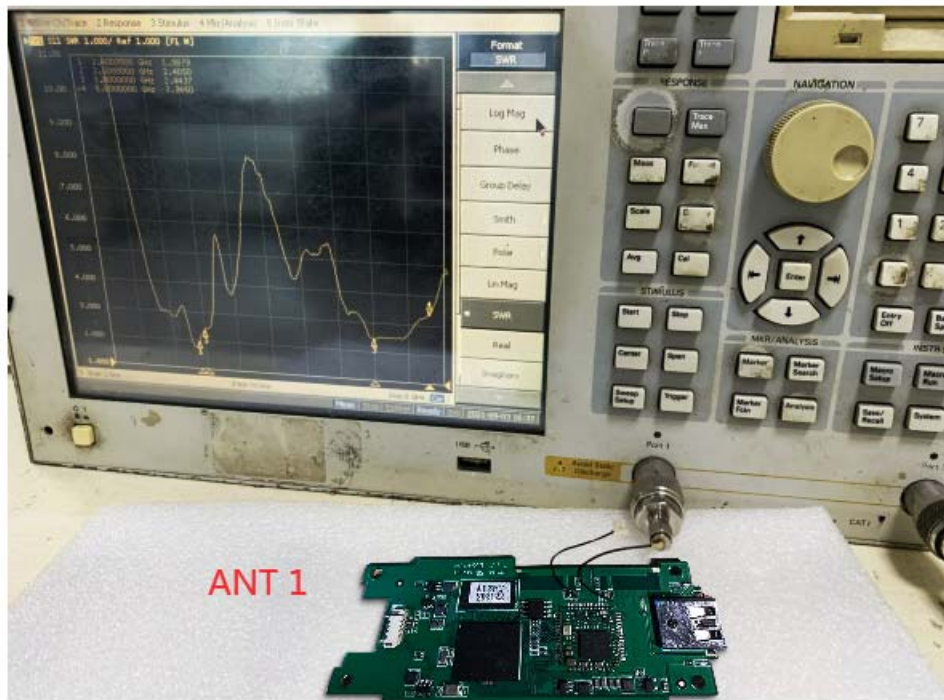
Supplier sample confirmation					
R&D	Structure	Audit	Determine		
			PASS <input checked="" type="checkbox"/> FAIL <input type="checkbox"/>		
Customer sample confirmation					
Electronic	Struture	Project	Purchase	Quality	Audit
Reasons for rejection or other considerations:					

1. Specification

(1) . Electrical performance parameter

- Frequency Range.....2400MHz ~2500MHz
- VSWR..... <3
- Efficiency..... Max59.37%
- Peak Gain..... Max3.2dBi
- Polarization..... Linear
- Input Impedance..... 50Ω

2. Antenna standing wave pattern :



Band	WIFI ANT 1	
	2400	2500
R. L (dB)	-9.5	-7.6
VSWR	2.4	2.5

Band	WIFI ANT 2	
	2400	2500
R. L (dB)	-11.5	-10.3
VSWR	1.7	1.8

3. WIFI Antenna gain efficiency :

Passive Test For 2.4GWIFI ANT1										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	61.52	-2.11	2.22	0.07	35.571	25.949	2.22	-27.55	48.51	48.38
2410	64.06	-1.93	2.29	0.14	36.742	27.314	2.29	-25.53	48.83	48.65
2420	66.12	-1.8	2.38	0.23	37.612	28.512	2.38	-22.28	49.05	49
2430	65.81	-1.82	2.26	0.11	37.346	28.461	2.26	-20.6	49.05	48.89
2440	65.35	-1.85	2.02	-0.13	37.17	28.18	2.02	-20.01	49.08	48.97
2450	65.38	-1.85	2.07	-0.08	37.527	27.856	2.07	-20.5	49.01	48.85
2460	64.41	-1.91	1.98	-0.17	37.405	27.004	1.98	-22.62	48.86	48.7
2470	63.62	-1.96	2.02	-0.13	37.359	26.262	2.02	-25.86	48.86	48.78
2480	67.12	-1.73	2.4	0.25	39.779	27.344	2.4	-24.33	49.29	49.19
2490	73.47	-1.34	2.97	0.82	43.799	29.668	2.97	-20.77	49.92	49.75
2500	75.94	-1.2	3.2	1.05	45.483	30.452	3.2	-20.26	49.95	49.77

Passive Test For 2.4GWIFI ANT2										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	43.67	-3.6	1.33	-0.82	17.608	26.061	1.33	-21.22	48.51	48.38
2410	48.5	-3.14	1.89	-0.26	19.797	28.704	1.89	-20.13	48.83	48.65
2420	50.88	-2.93	2.19	0.04	20.82	30.065	2.19	-18.81	49.05	49
2430	50.78	-2.94	2.16	0.01	20.611	30.164	2.16	-17.91	49.05	48.89
2440	49.58	-3.05	2.01	-0.14	19.805	29.78	2.01	-17.2	49.08	48.97
2450	50.46	-2.97	2.01	-0.14	19.63	30.827	2.01	-17.07	49.01	48.85
2460	47.3	-3.25	1.65	-0.5	17.888	29.413	1.65	-17	48.86	48.7
2470	47.61	-3.22	1.68	-0.47	17.549	30.06	1.68	-17.06	48.86	48.78
2480	49.95	-3.01	1.92	-0.23	18.183	31.77	1.92	-16.93	49.29	49.19
2490	58.24	-2.35	2.71	0.56	21.081	37.157	2.71	-15.74	49.92	49.75
2500	57.18	-2.43	2.73	0.58	20.791	36.394	2.73	-15.34	49.95	49.77

4.Product picture:



5.Apple figure:

(1) .ANT1- 2.4GWiFi

