



Antenna datasheetAntenna Sample Confirmation From

Vendor Name	Shenzhen Jianhaitong Antenna Technology Co., Ltd Shenzhen kenhaitong antenna technology co, ltd				
Customer Name	Eyesight				
Sample Name	MP510				
Part Number	KIT-MP510-WF-V01				
Specification	FPC40.27*28.41mm、RF1.13Black line, line length110mm、IPEX1				
Inspection Item	Performance	Total Appearance	structure	Others	Inspection Result
Remark					
QA Audit		Engineer Audit		Sales Confirm	
The following are filled by Customer					
Customer Evaluation					
Signation/ Chapter by Customer	date:				



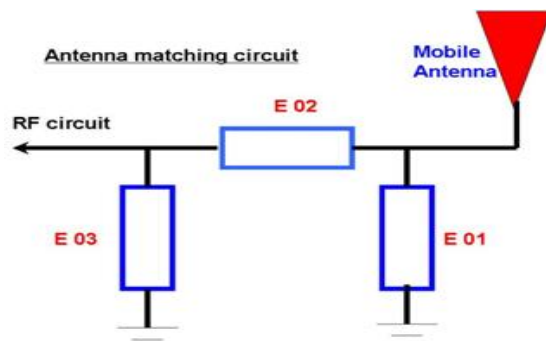
Antenna Test Report

Test by: Shenzhen kenhaitong antenna technology co, ltd			
Material	FPC Coaxial Cable IPEX		
Antenna Type	FPC	Polarization mode	Linear
Application			
Band	2.4G/5G WIFI	VSWR	≤1.5
Power	Max: 50W	Impedance	50Ω
gain dBi	WIFI		
	2400-2500MHz/2.16dBi		
	5150/5850MH/5.05dBi		
Test Equipment	HPE5071C、Shielding Room、3D automatic turntable		



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- 1、 Matching circuit
 - 2、 Anechoic chamber test equipment and data
 - 2.0 Test equipment
 - 2.1 Passive test data
 - 2.2 WIFI Antenna passive data
 - 3、 Structural drawings
 - 4、 Sample size inspection report
 - 5、 Reliability test report
 - 6、 Packing

1、Antenna matching circuitry/Antenna Matching Circuit



Modify the point/Modify

E01	E02	E03
No	No	No

Note: There is no modification to the match.

2、Anechoic chamber test equipment and data

2.0 Test equipment

Test system: Shielded anechoic chamber

Test environment: Temperature $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$, humidity $50\% \pm 15\%$

Test equipment: When testing passive data, use the network analyzer Agilent E5071C

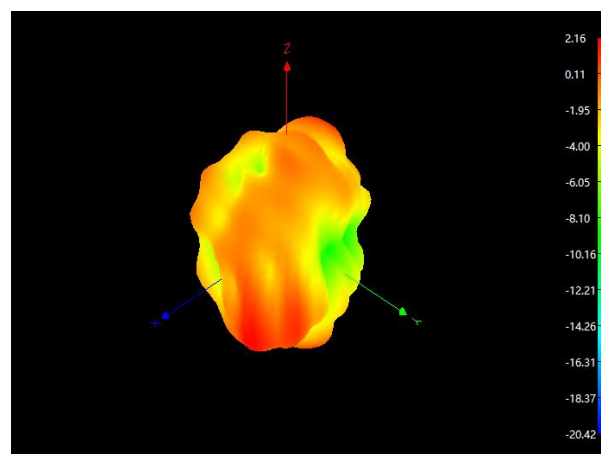
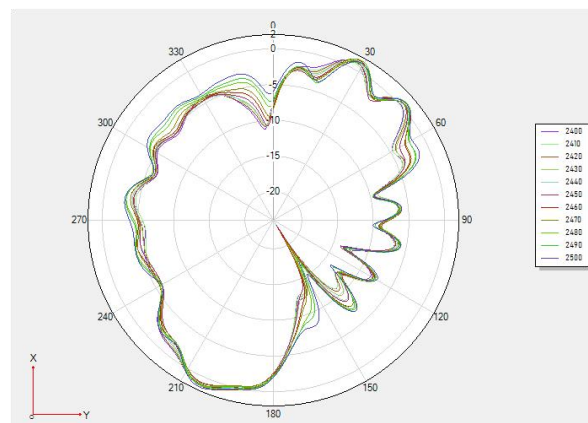
For the test of active data, the CMW500 comprehensive tester is used





WiFiAntenna 2.4G passive parameters

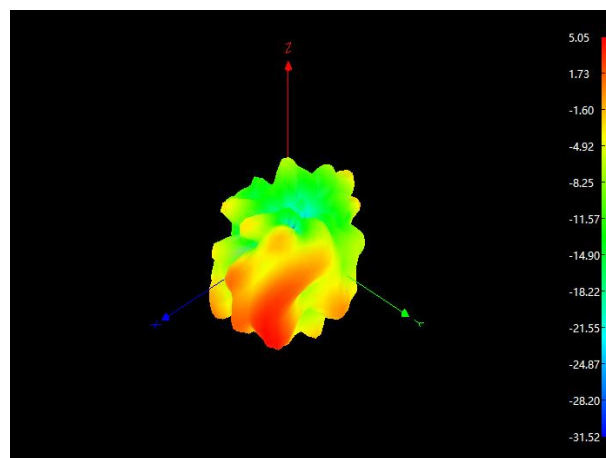
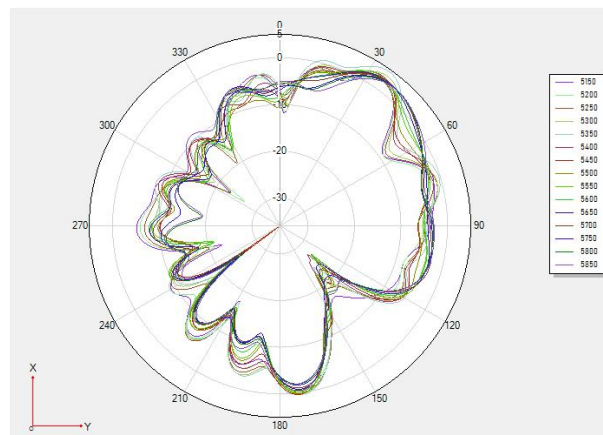
Frequency / MHz	Efficiency / %	Gain/ dB
2400	53.46	1.79
2410	50.58	1.67
2420	53.83	1.95
2430	51.76	2
2440	52.72	2.16
2450	49.66	1.75
2460	51.88	2.14
2470	50.23	1.75
2480	52.12	1.93
2490	51.4	1.9
2500	53.21	2.06





WiFiAntenna 5.8G passive parameters

Frequency / MHz	Efficiency / %	Gain/ dB
5150	25.82	3.23
5220	24.49	3.46
5290	27.99	4.48
5360	28.91	4.64
5430	30.76	5.05
5500	27.67	4.12
5570	29.04	3.65
5640	28.38	3.59
5710	30.2	4.14
5780	30.41	4.17
5850	29.99	3.96



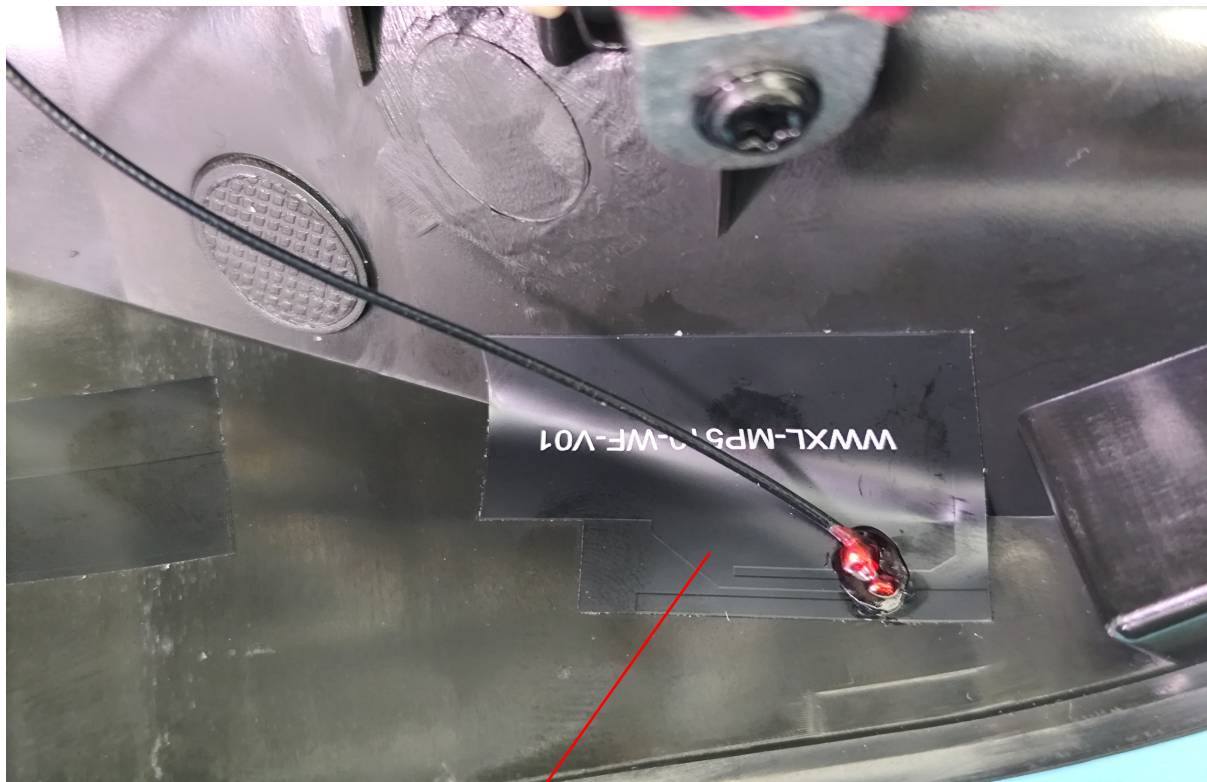


Active testing OTA

Band	Channel	TRP	TIS
802.11b (11Mbps)	L	12.85	-87.82
	M	12.82	-86
	H	13.4	-88.25
802.11g (54Mbps)	L	10.29	-74.26
	M	10.19	-73.64
	H	10.32	-74.47
802.11n (MCS7-65Mbps)	L	10.07	-70.48
	M	10.23	-70.33
	H	10.41	-70.1
802.11a (54Mbps)	L	15.1	-74.71
	M	11.16	-72.66
	H	11.93	-71.72



Antenna assembly location and environmental treatment



WiFi antenna