



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:				



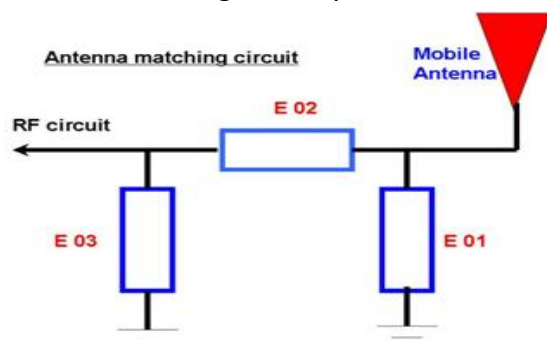
Antenna Test Report

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

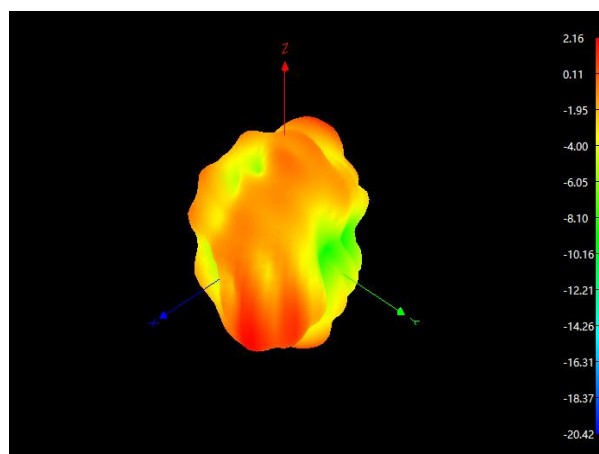
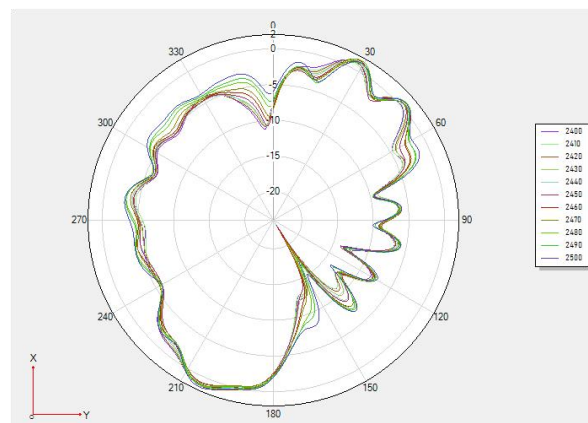
For the test of active data, the CMW500 comprehensive tester is used





WiFiAntenna 2.4G passive parameters

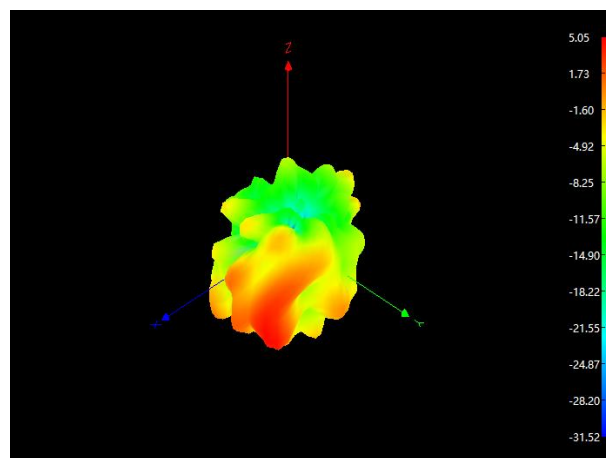
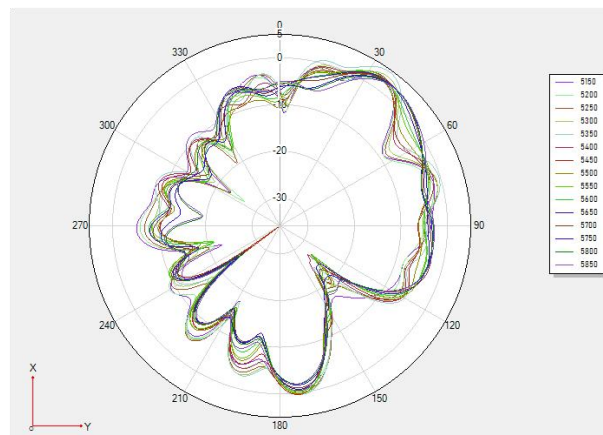
Frequency / MHz	Efficiency / %	Gain/ dB
2400	53.46	1.79
2410	50.58	1.67
2420	53.83	1.95
2430	51.76	2
2440	52.72	2.16
2450	49.66	1.75
2460	51.88	2.14
2470	50.23	1.75
2480	52.12	1.93
2490	51.4	1.9
2500	53.21	2.06





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



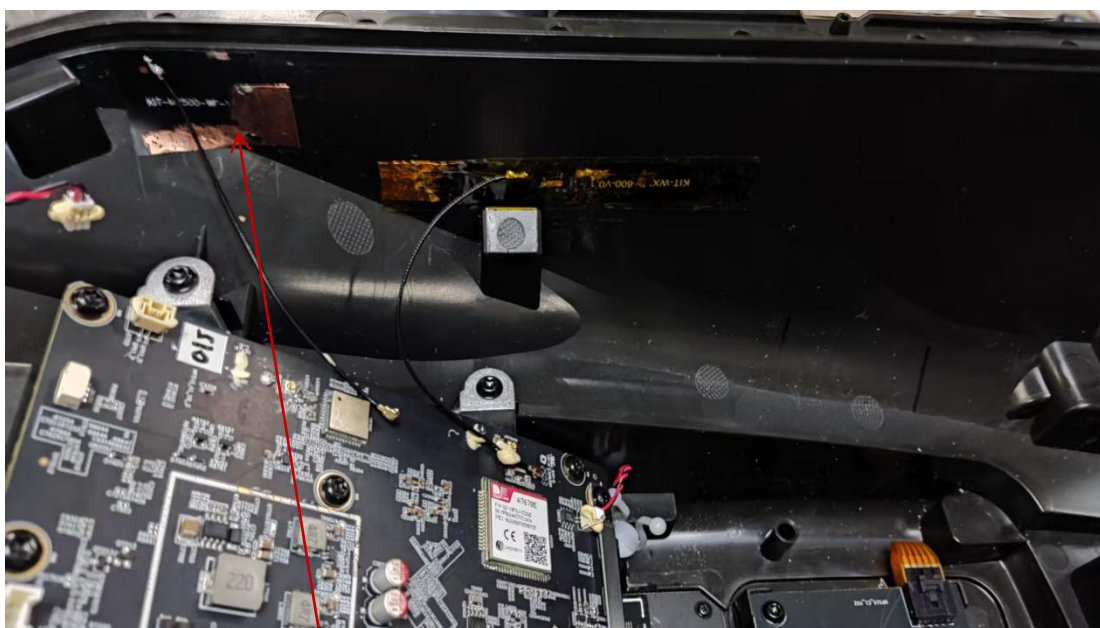


Active testing OTA

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

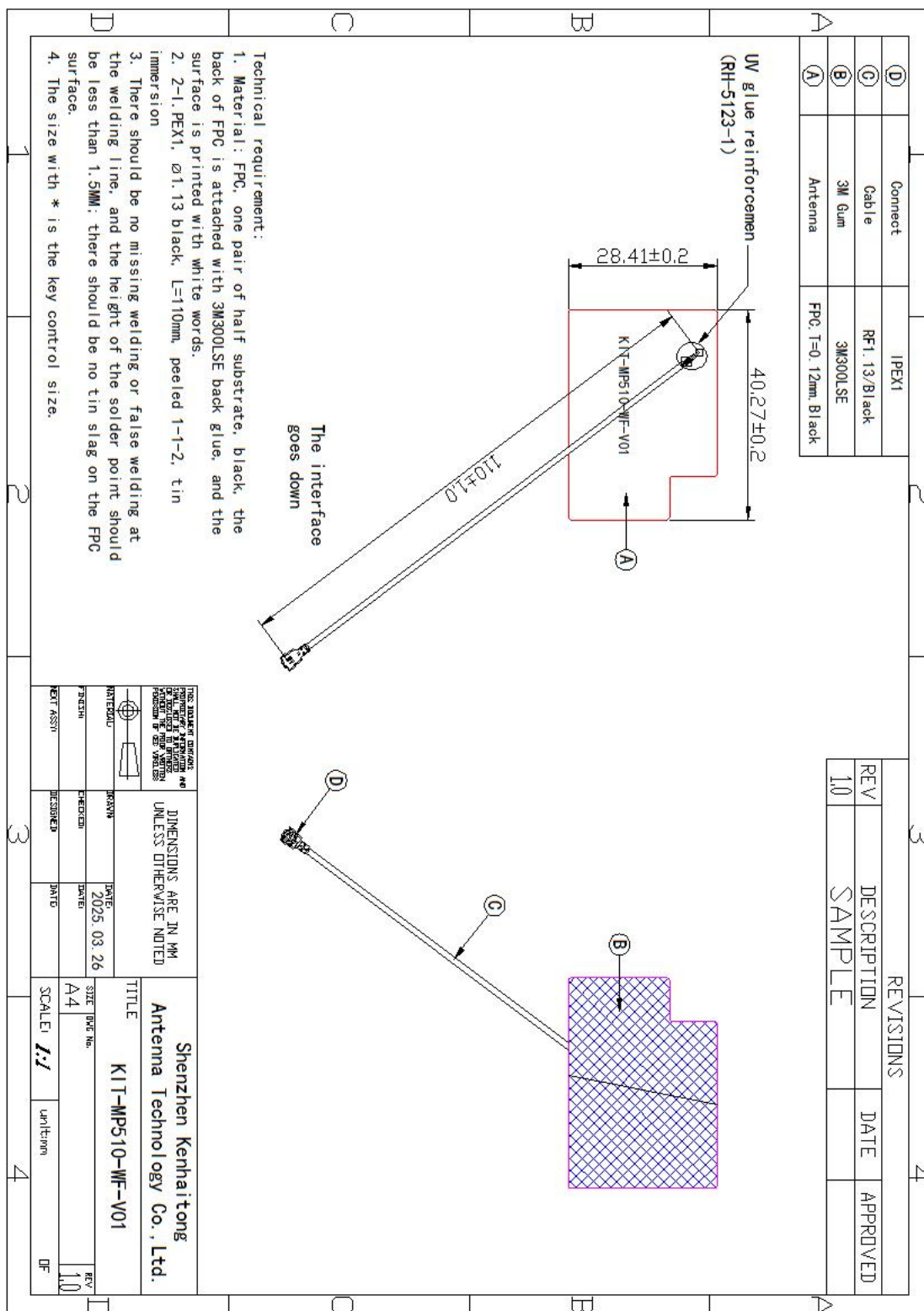


Antenna assembly location and environmental treatment



WIFI antenna

3. Structural drawings





Sample size inspection report

Model type KIT-MP510-WF-V01

date: 2025-03-15

Test items		standard	Sample inspection status (value)					decide	remark
			1	2	3	4	5		
Antenna dimension s	A1	40.27±0.2mm	40.26	40.26	40.27	40.29	40.27	qualif ied	
	A2	28.41±0.2mm	28.40	28.41	28.40	28.43	28.41	qualif ied	
	A3	110±1.0mm	110.03	110.11	110.08	110.07	110	qualif ied	

Approved: CZY

Audit: CXM

Test: JXB



Antenna Sample Confirmation From
Shenzhen Jianhaitong Antenna Technology Co., Ltd

Guangdong Jianbotong
Stock Code: 831958

5、 Reliability test report

Salt spray test report

numbering: 20250312001

Product name		KIT-MP510-WF-V01		Number of tests		5set	
Part number				Test Standards		GB2423.17	
Date of inspection		2025.03.12		Product materials		FPC Coaxial Cable IPEX	
Test time: 2025.03.11-2025.03.12							
Test items	Requirement Standards	Actual values	decide	Test items	Requirement Standards	Actual values	decide
TestInstrument Specifications	KD-60	KD-60	OK	Test time	48H	48H	OK
Types of salt spray tests	NSS 中性	NSS 中性	OK	Salt spray box temperature	35℃	35℃	OK
SALINE PH	6.5-7.2	6.5-7.2	OK	Salt spray sedimentation (H. 80C)	1-2ml	1.8ml	OK
Spray method	Spray continuously	Spray continuously	OK	Material of the goods	FPC	FPC	OK
Brine ingredients	5%NaCl	5%NaCl	OK	Compressed air section pressure	1±0.1KG/CM²	1	OK
Saturation temperature	47℃	47℃	OK	Specimen placement angle	45°	45°	OK
Test observation time	Observe the phenomenon						
4H	No anomalies						
8H	No anomalies						
12H	No anomalies						
16H	No anomalies						
20H	No anomalies						
24H	No anomalies						
Judging criteria: According to the national standard 5944-86 rating method, grade 9 or above is qualified							
Final Judgment	qualified					Unqualified	
Tester	CGL		Audit	CXM		Approval	JXB
Note: The commonly used salt spray test methods are: NSS salt spray test, AASS acetate spray test, CASS copper acetic acid accelerated test.							

Address: 3rd Floor, West of Building 1, Hezhou Zhongkenuo Industrial Park, Hangcheng Street, Bao'an District, Shenzhen

TEL: 0755-85274764 FAX: 0755-85274764



6、Packing:

Guangdong Jianbotong Technology Co., Ltd Product packaging operation specifications							
Customer: Eye		Packing name: KIT-MP510-WF-V01		Package number:		Packaged version: TEST: A	
Packaging material details	numbering	name of article	specification	Dosage	Illustration of a packaged product		
	PE	Seal the bag	120*85*0.12	1/100			
	SYC-BZ-01	carton	280*230*170	1/10000			
Job steps	1. Prepare the required packaging materials and place them in a position that is conducive to operation. 2. According to the product packaging operation specifications, use cartons/PE bags, packing. 100PCS/bag, 100 packs per carton, a total of 10000PCS. 3. Put 100 bags in each box, a total of 10000PCS, after the box is full, seal the box with transparent tape.				Precautions	1.Operators must wear gloves to operate.	
						2. Pay attention to the number of packing, not more or less.	
Illustrated diagram	每箱放100包, 共10000PCS 备注: 数量以实际包装为准, 此为参考数量.						
remark	3. Cartons should not be stacked too high. In case of heavy pressure overflowglue.						
Approval		Audit		Production		Date	
JSB		DS		LSY		2025/3/15	