



Shenzhen Shun reach technology Co.,LTD

Manufacturer's address:4th Floor, Building B5, Xinfu Industrial Park, Chongqing Road, Fuyong Town, Bao 'an District, Shenzhen City

顺达成科技

Antenna Test Report



客户名称: 秋雨

项目名称: CF-1012W-TEQ-ZD

频段: WIFI

版本: A

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1.Test system

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP&TIS	Agilent 8960 E5515C& Agilent 4438C&CMW500 &CMW2 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C



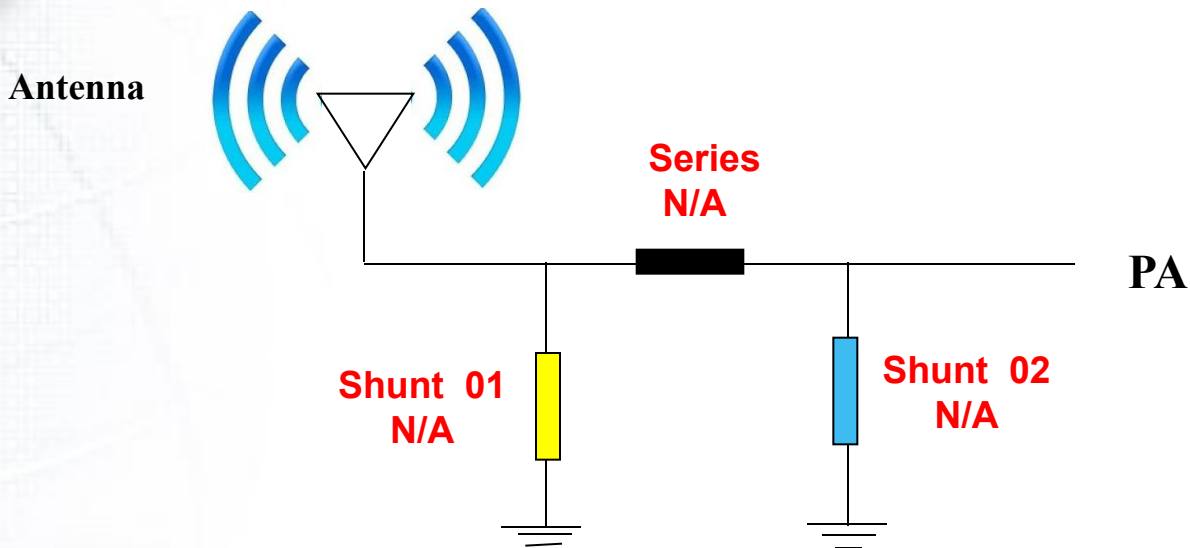


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2. Antenna Matching Network



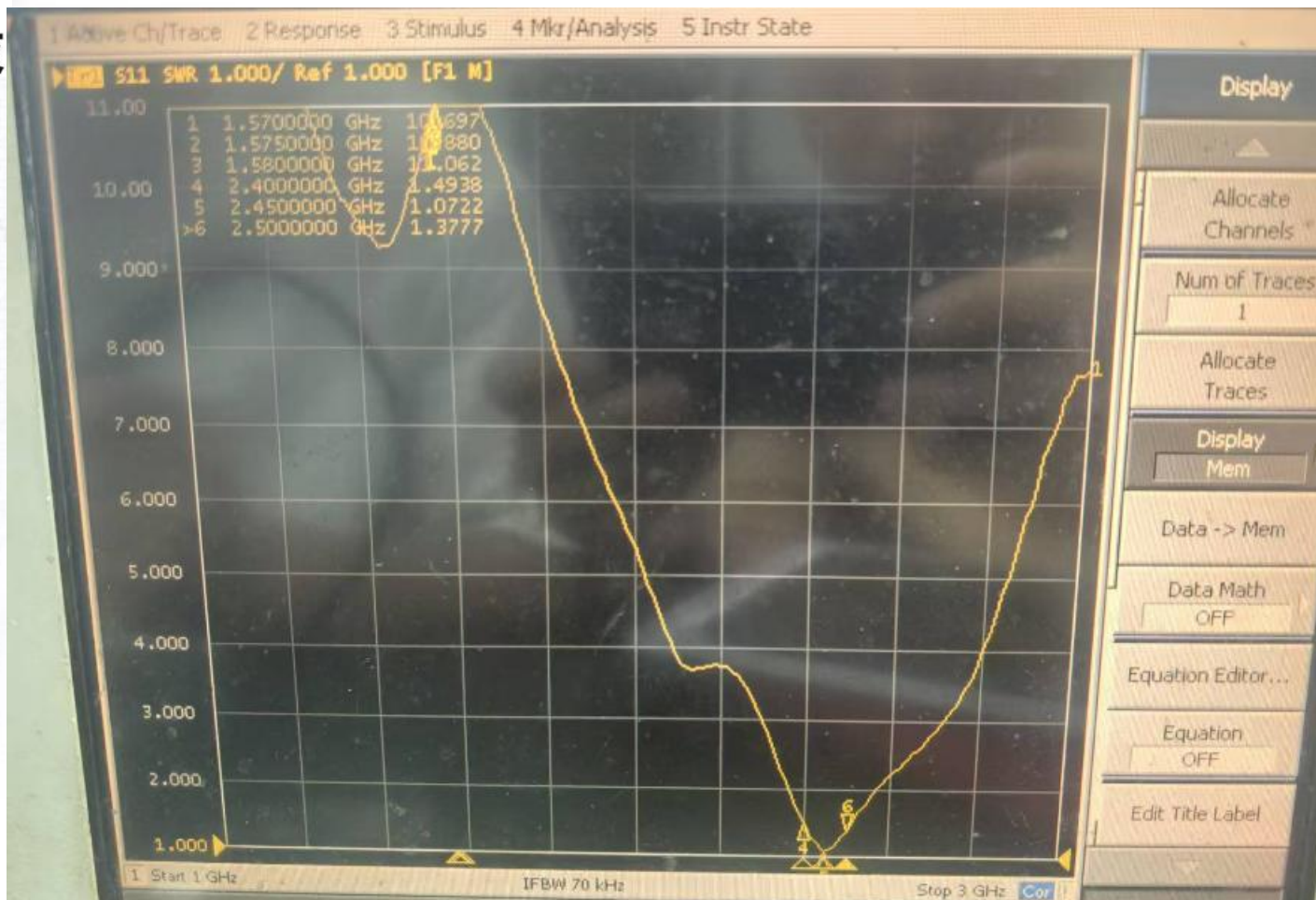
Location	Description	Vendor
Shunt 01	N/A	N/A
Series	N/A	N/A
Shunt 02	N/A	N/A

未改动主板
匹配电路



S11 Parameter-SWR

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Frequency(MHz)	2400	2450	2500
VSWR	1.49	1.07	1.37

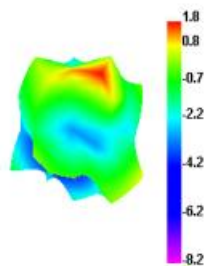


Gain & Efficiency

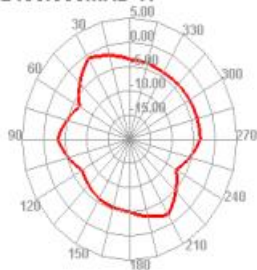
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Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	49.18	-2.91	1.81	-0.34	27.675	23.506	1.81	-12.91	4.72	0	48.27	48.32
2425	50.87	-2.77	2.01	-0.14	28.82	24.055	2.01	-12.76	4.78	0	48.35	48.41
2450	51.29	-2.13	2.66	0.51	33.173	28.12	2.66	-11.25	4.78	0	48.97	48.93
2475	51.73	-2.1	2.69	0.54	33.177	28.553	2.69	-10.28	4.78	0	48.91	48.71
2500	52.16	-1.6	3.13	0.98	36.869	32.291	3.13	-10.83	4.74	0	49.09	48.78

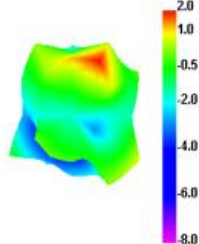
2400.000MHz



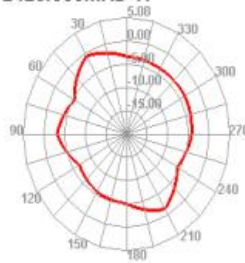
2400.000MHz H



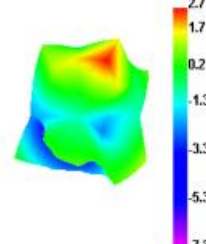
2425.000MHz



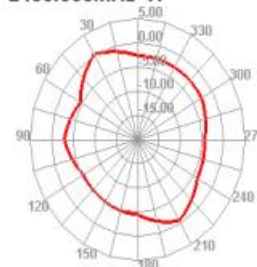
2425.000MHz H



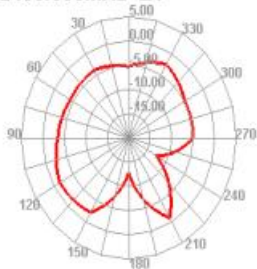
2450.000MHz



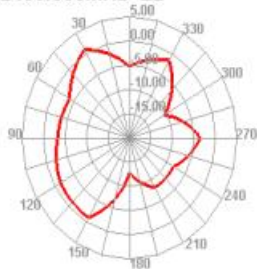
2450.000MHz H



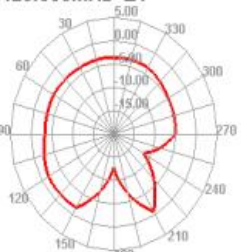
2400.000MHz E1



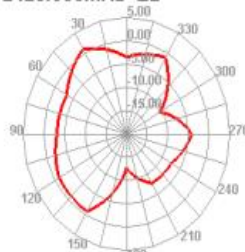
2400.000MHz E2



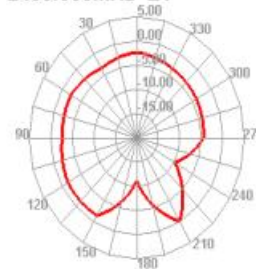
2425.000MHz E1



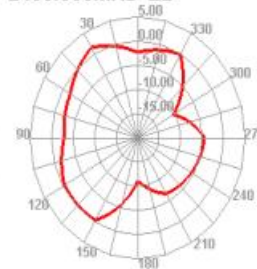
2425.000MHz E2



2450.000MHz E1



2450.000MHz E2



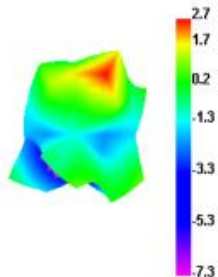


Gain & Efficiency

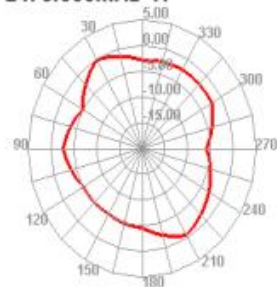
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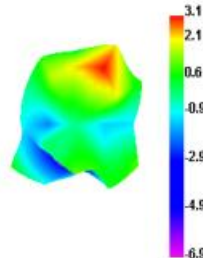
2475.000MHz



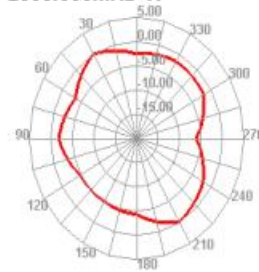
2475.000MHz H



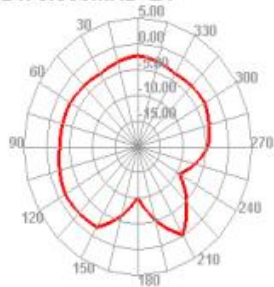
2500.000MHz



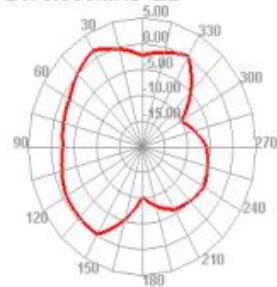
2500.000MHz H



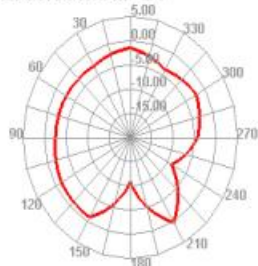
2475.000MHz E1



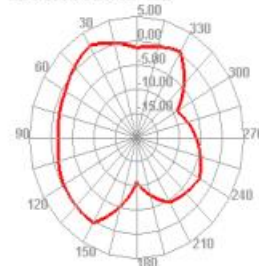
2475.000MHz E2



2500.000MHz E1



2500.000MHz E2





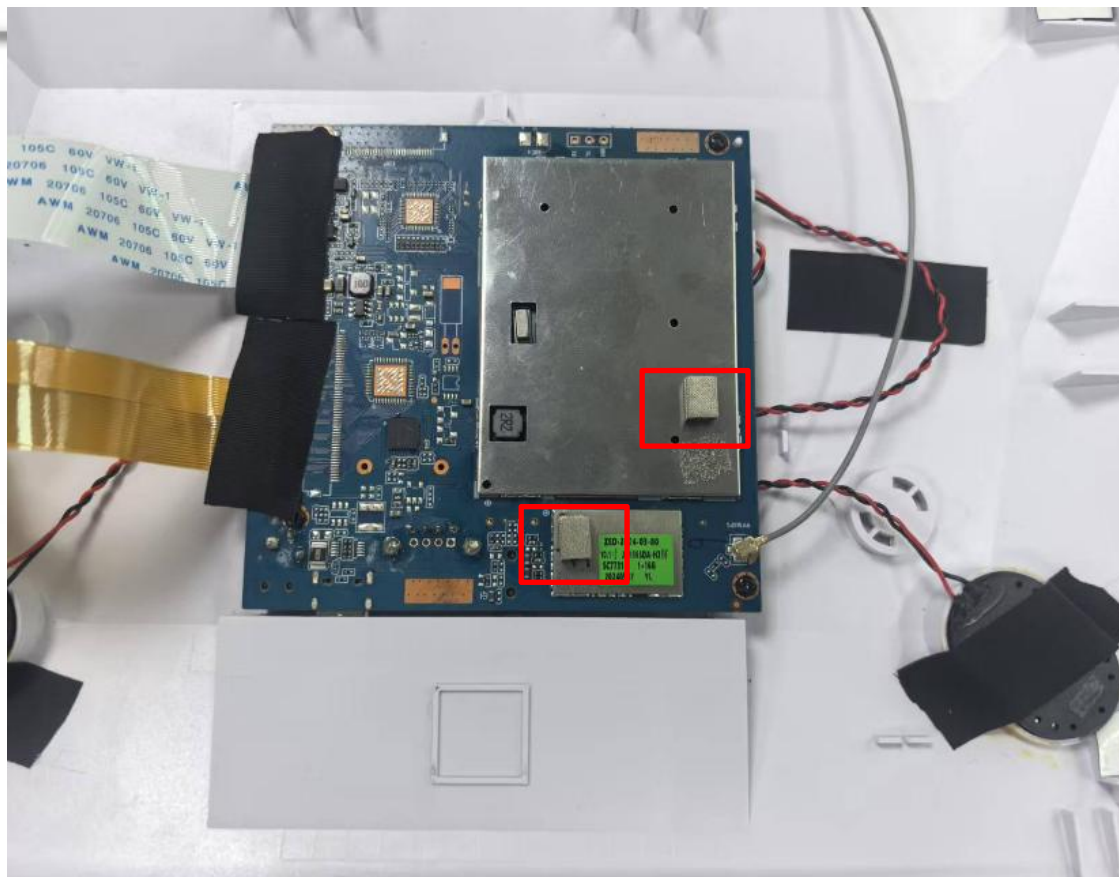
WIFI OTA Data

2.4G WIFI	TRP			TIS		
Channel	CH1	CH6	CH11	CH1	CH6	CH11
802.11 b , 11M	14.85	14.61	14.29	-81.2	-81.29	-82.33
802.11 g , 54M	12.46	12.71	13.02	-71.65	-71.54	-71.43
802.11 n , MCS7 (65M)	12.31	12.29	12.75	-70.29	-70.55	-70.31



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Antenna Assembly & environmental processing



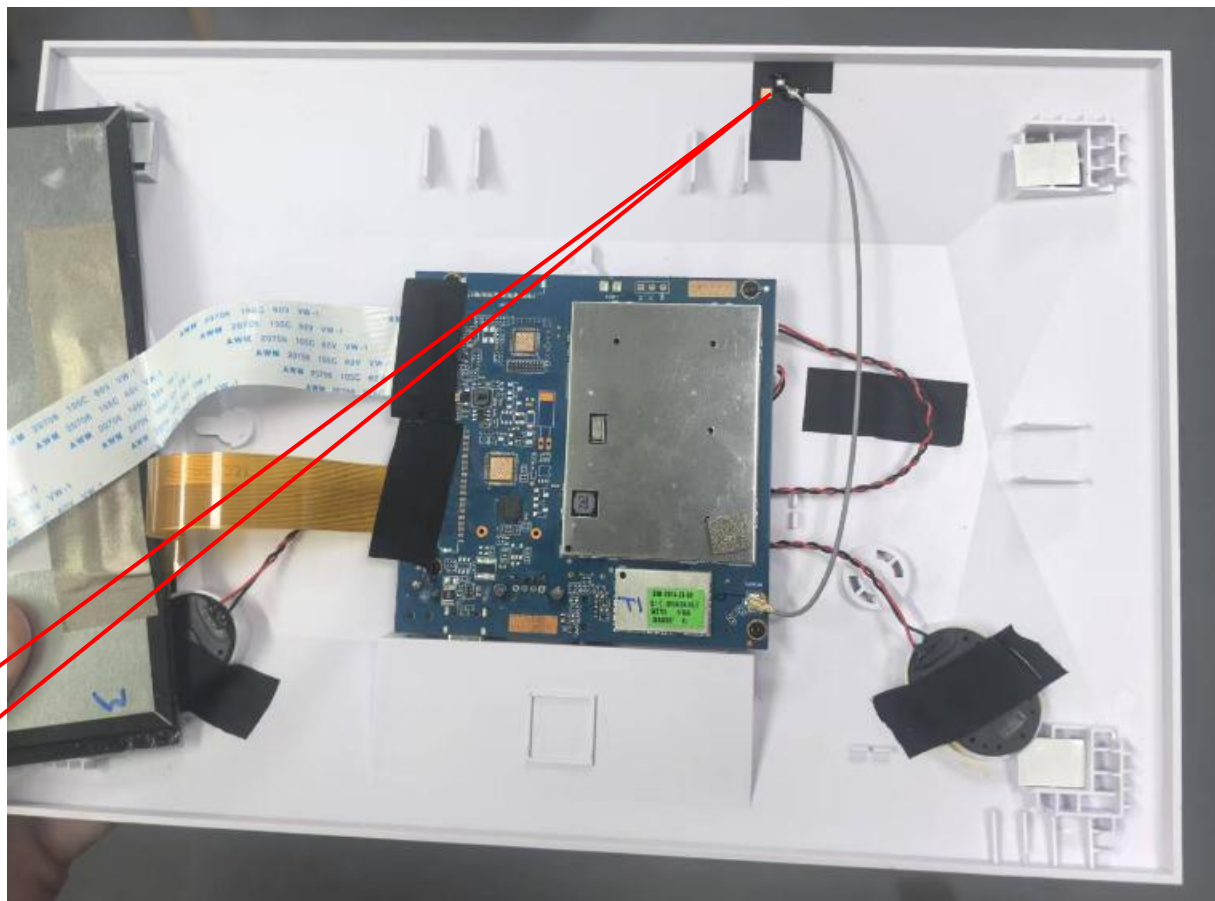
Conductive sponge should be used to ground the upper part of the motherboard shield.



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Antenna Assembly & environmental processing

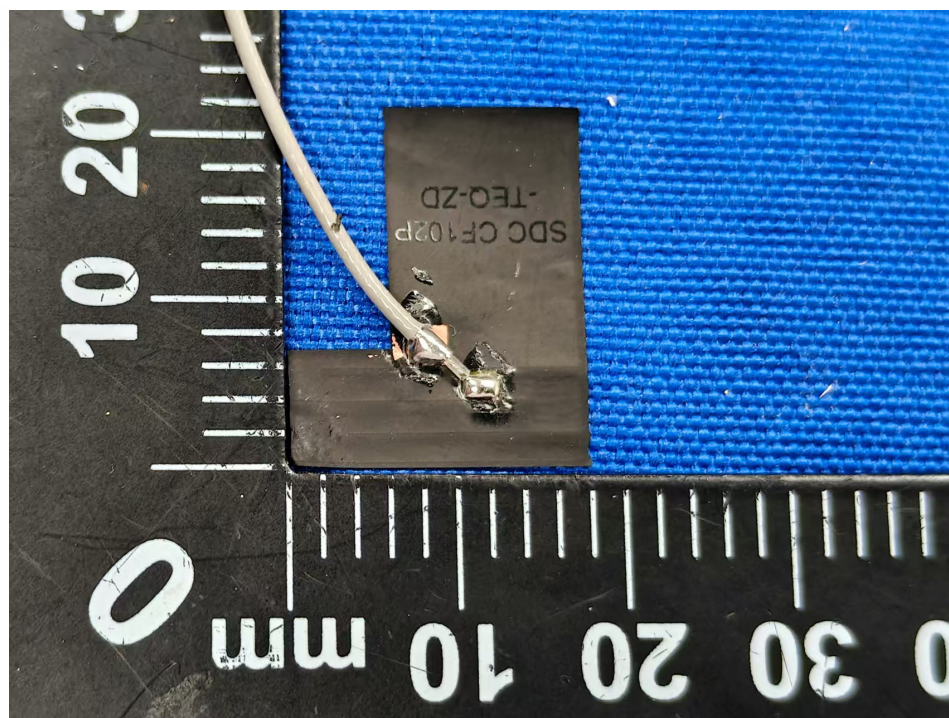
Please refer to the right picture for the installation position of the antenna



WIFI Antenna



Antenna Size





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