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深圳顺达成科技有限公司

Antenna Test Report



客户名称：熠华

项目名称：TR2602

频段：WIFI（2.4G/5.8G）

版本：A

制作日期：2026-8-15



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- 2. *S11 Parameter-VSWR***
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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

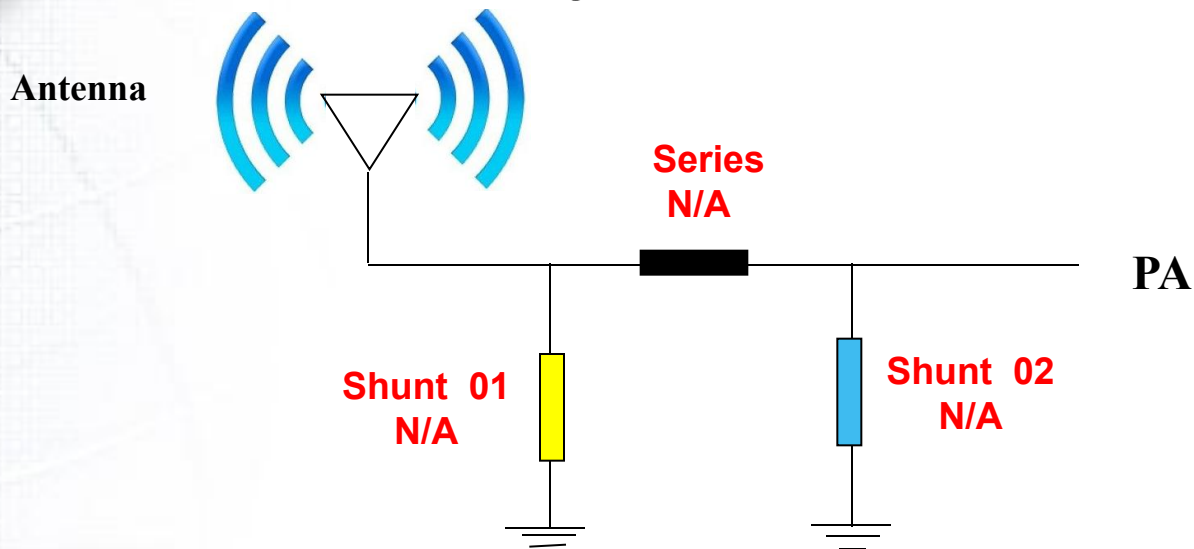




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2. Antenna Matching Network



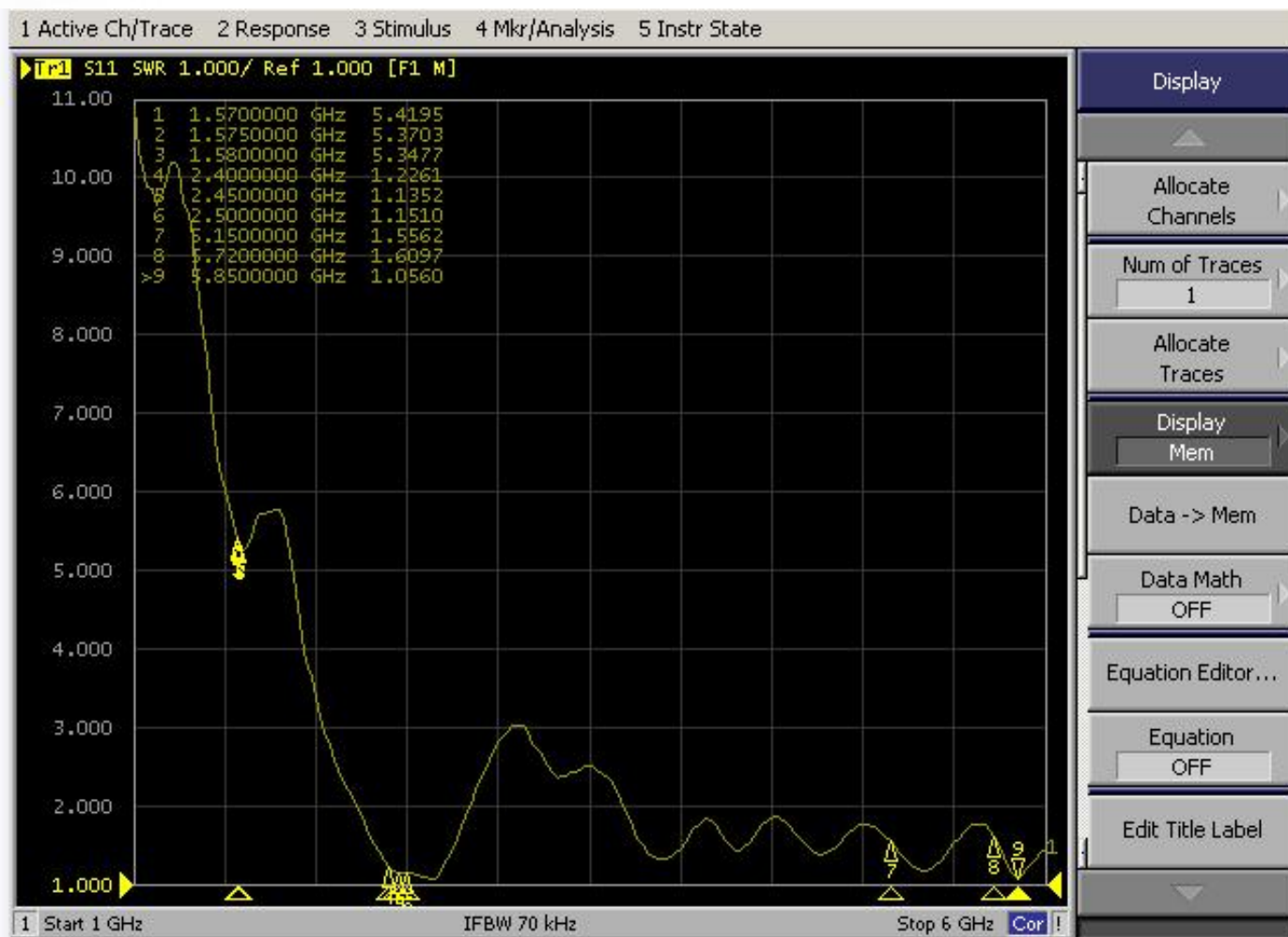
Location	Description	Vendor
Shunt 01	N/A	N/A
Series	N/A	N/A
Shunt 02	N/A	N/A

未改动主板
匹配电路



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S11 Parameter-SWR



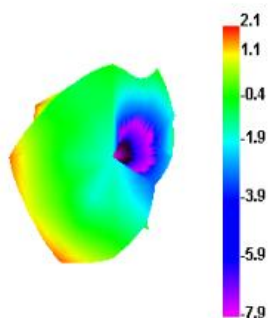


Gain & Efficiency

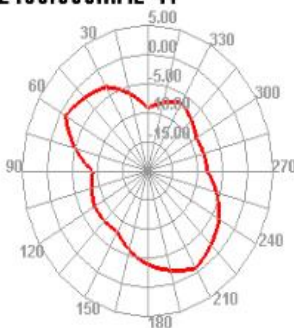
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Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	46.33	-2.49	2.06	-0.09	26.642	29.686	2.06	-12.21	4.55	0	47.77	47.82
2425	45.47	-2.56	1.89	-0.26	25.554	29.914	1.89	-11.2	4.45	30	48.06	48.12
2450	49.29	-2.27	2.46	0.31	26.96	32.331	2.46	-11.52	4.73	30	48.56	48.53
2475	47.89	-2.37	2.6	0.45	25.861	32.025	2.6	-13.06	4.98	60	48.46	48.26
2500	48.39	-2.34	2.52	0.37	25.477	32.917	2.52	-15.97	4.86	0	48.42	48.12

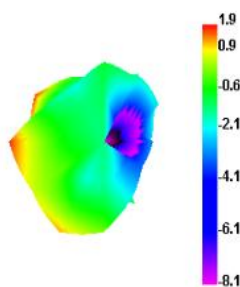
2400.000MHz



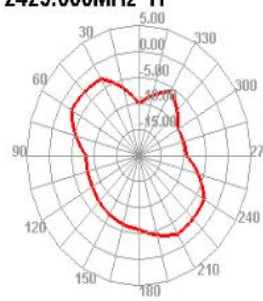
2400.000MHz H



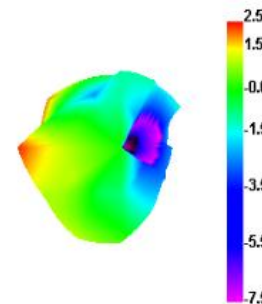
2425.000MHz



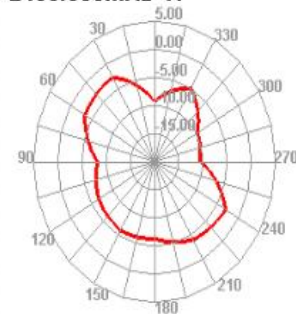
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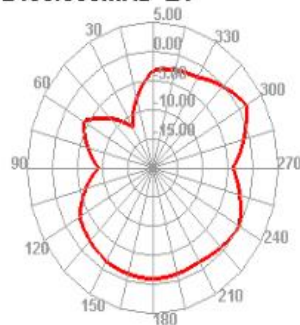
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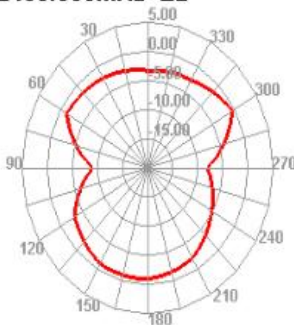
2450.000MHz H



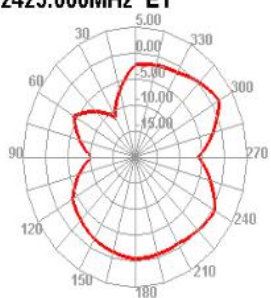
2400.000MHz E1



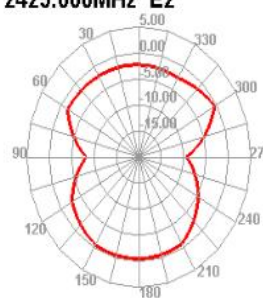
2400.000MHz E2



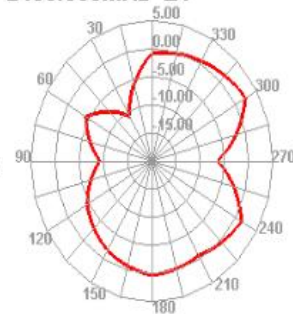
2425.000MHz E1



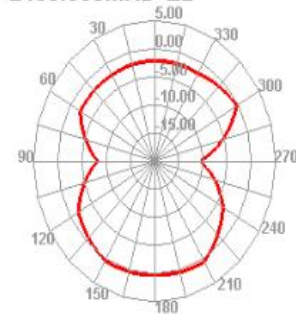
2425.000MHz E2



2450.000MHz E1



2450.000MHz E2





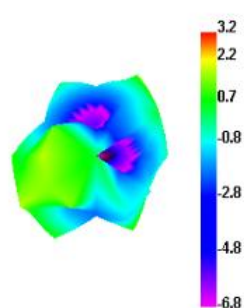
Gain & Efficiency

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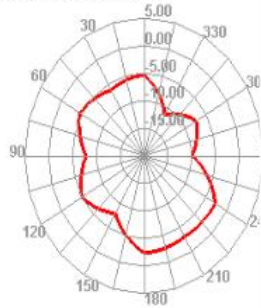
Passive Test For 5.8G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
5150	40.29	-3.95	3.22	1.07	13.819	26.475	3.22	-21.65	7.17	30	58.6	58.01
5250	39.81	-4.84	2.89	0.74	10.959	21.849	2.89	-16.2	7.73	0	58.53	57.74
5350	34.08	-5.67	1.66	-0.49	8.676	18.408	1.66	-16.08	7.33	0	57.99	57.08
5450	35.77	-5.41	0.68	-1.47	11.252	17.523	0.68	-16.09	6.09	0	59.19	57.9
5550	37.05	-5.08	0.93	-1.22	13.257	17.792	0.93	-18.73	6.01	0	60.21	58.81
5650	38.99	-4.44	1.25	-0.9	14.61	21.381	1.25	-14.34	5.69	30	60.31	59.42
5750	39.86	-3.99	1.17	-0.98	17.494	22.366	1.17	-16.91	5.17	0	60.88	60.28
5850	40.32	-3.94	1.96	-0.19	19.19	21.132	1.96	-16.4	5.91	0	61.09	60.41

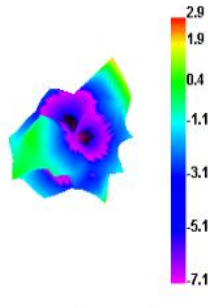
5150.000MHz



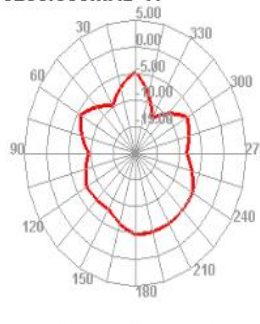
5150.000MHz H



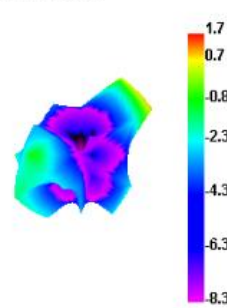
5250.000MHz



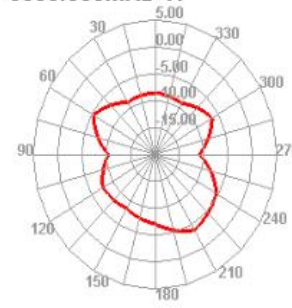
5250.000MHz H



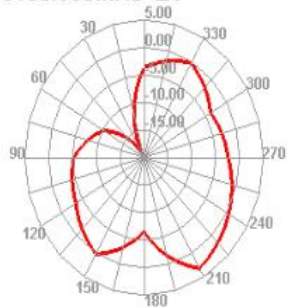
5350.000MHz



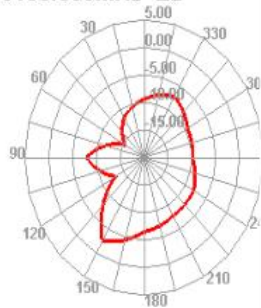
5350.000MHz H



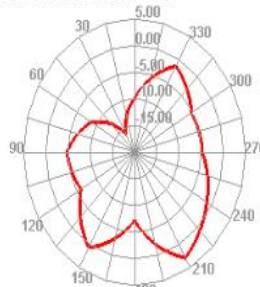
5150.000MHz E1



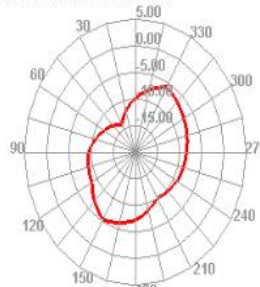
5150.000MHz E2



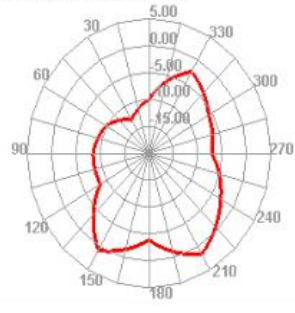
5250.000MHz E1



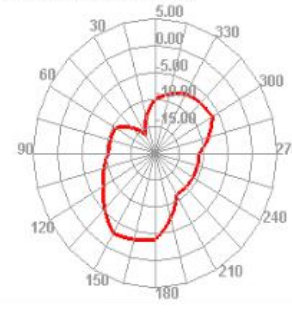
5250.000MHz E2



5350.000MHz E1



5350.000MHz E2





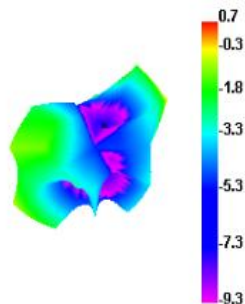
Gain & Efficiency

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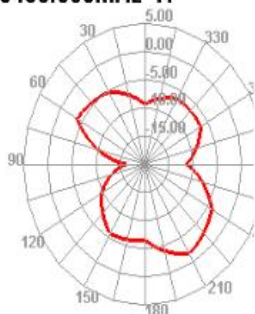
Passive Test For 5.8G

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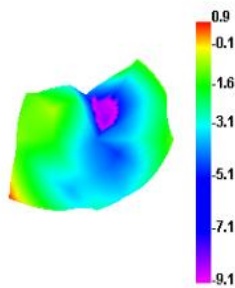
5450.000MHz



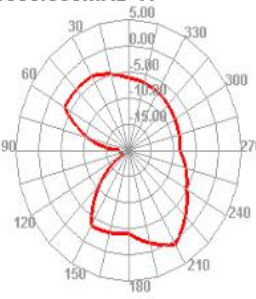
5450.000MHz H



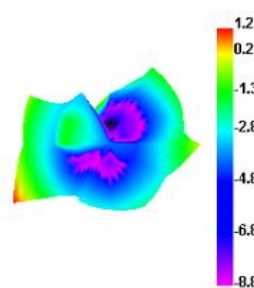
5550.000MHz



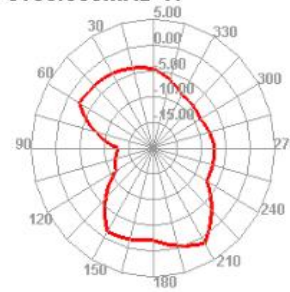
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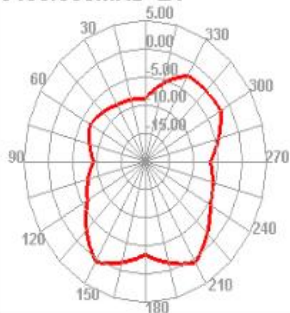
5650.000MHz



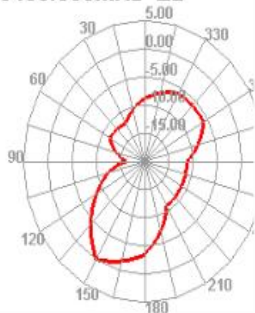
5650.000MHz H



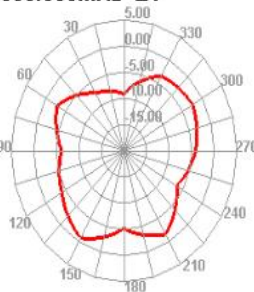
5450.000MHz E1



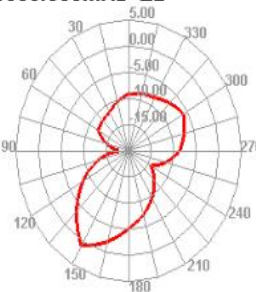
5450.000MHz E2



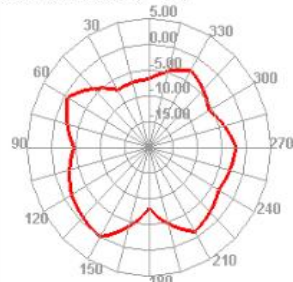
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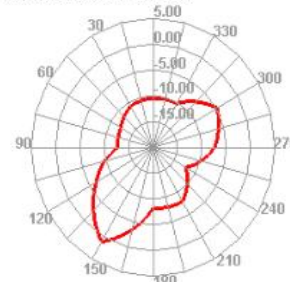
5550.000MHz E2



5650.000MHz E1



5650.000MHz E2





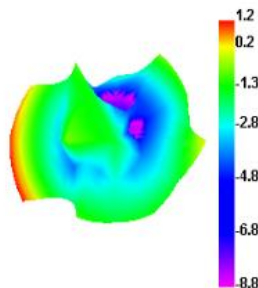
Gain & Efficiency

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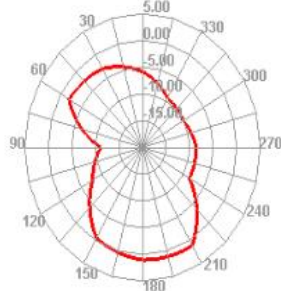
Passive Test For 5.8G

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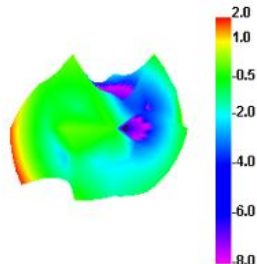
5750.000MHz



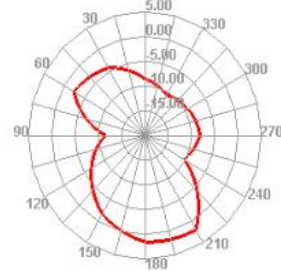
5750.000MHz H



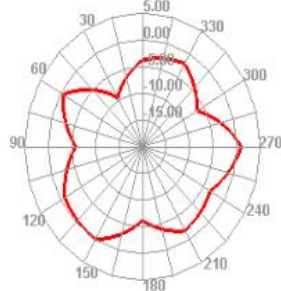
5850.000MHz



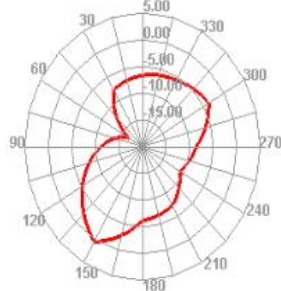
5850.000MHz H



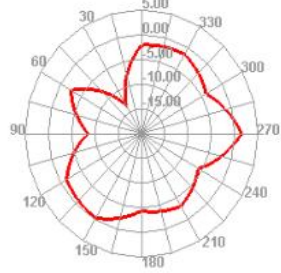
5750.000MHz E1



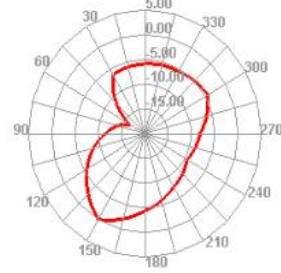
5750.000MHz E2



5850.000MHz E1



5850.000MHz E2



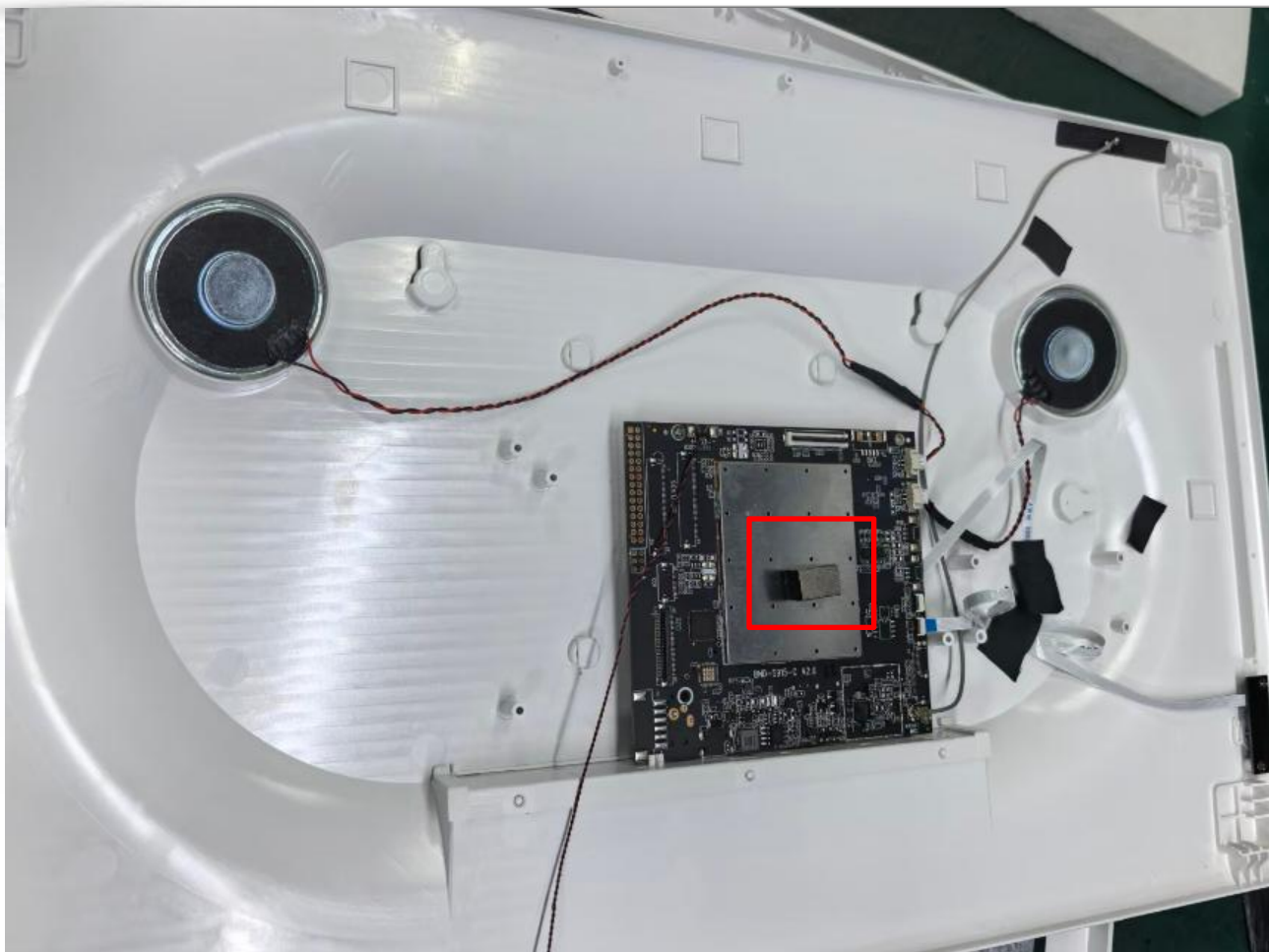


WIFI OTA Data

2.4G	802.11b, (2.4G) 11M		
Channel	CH1	CH6	CH11
TRP	13.96	13.74	13.65
TIS	-78.03	-78.5	-79.93
5.8G	802.11a, (5.8G) 54M		
Channel	CH36	CH60	CH161
TRP	12.12	12.3	12.08
TIS	-70.63	-69.38	-70.44



Antenna Assembly & environmental processing



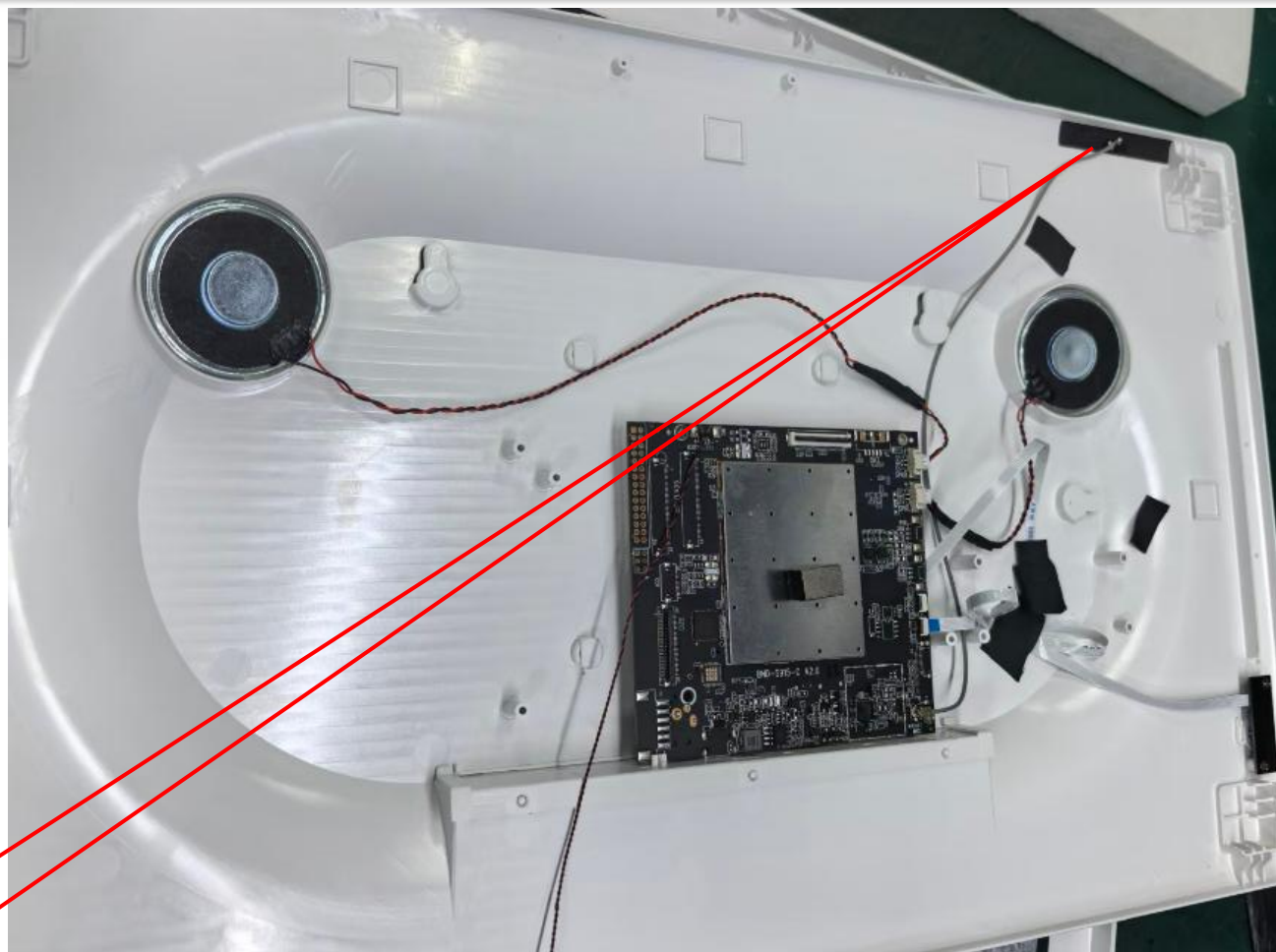
主板屏蔽罩上方需要用导电泡棉做接地处理。



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Antenna Assembly & environmental processing

天线安装位置请参考右图



WIFI天线



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顺达成感谢您的支持

公司地址：深圳市宝安区福永镇重庆路新福工业园B5栋4楼