



深圳市美禾嘉科技有限公司

Shenzhen Meihejia Technology Co., Ltd.

TB02

ANT REPORT



测试环境

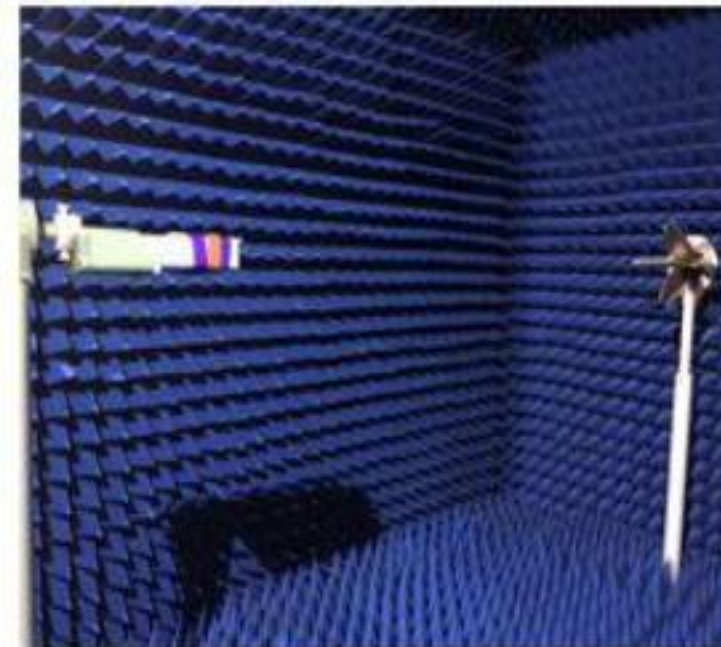
Test environment

	测试项目	设备
1. S参数 (S-parameter)	1. 回波损耗 (Return Loss) 2. 电压驻波比 (VSWR)	网络分析仪: Agilent E5071B HP 8753D
2. 有源测试 (Active)	1. 发射功率 (TRP) 2. 接收灵敏度 (TIS)	1. 暗室: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2.综合测试仪: Agilent 8960 E5515B × 2 StarPoint SP6011
3.无源测试 (Passive)	1.天线增益 (Gain) 2.天线效率 (Efficiency)	1. 暗室: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. 网络分析仪: Agilent E5071B HP 8753D



测试设备

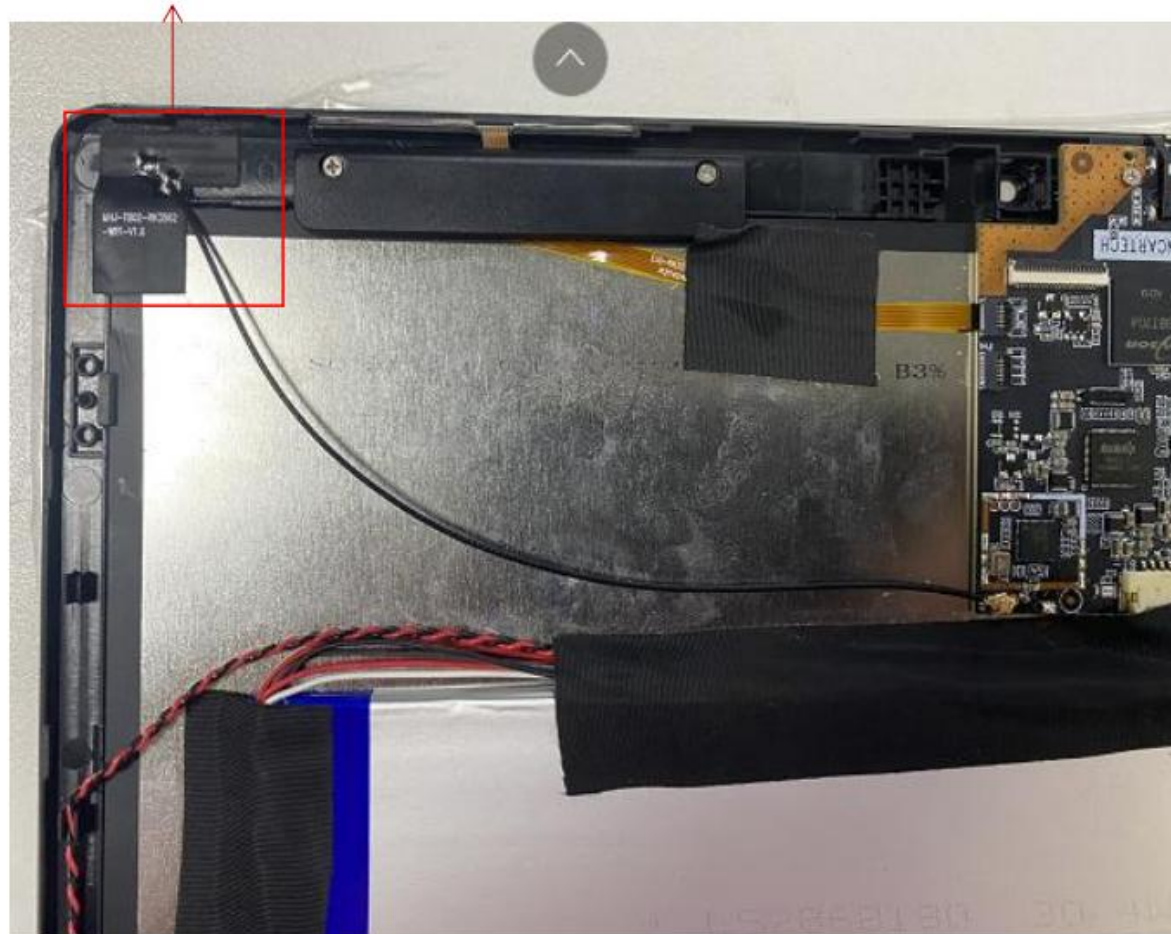
Test Equipment



天线位置

Antenna position

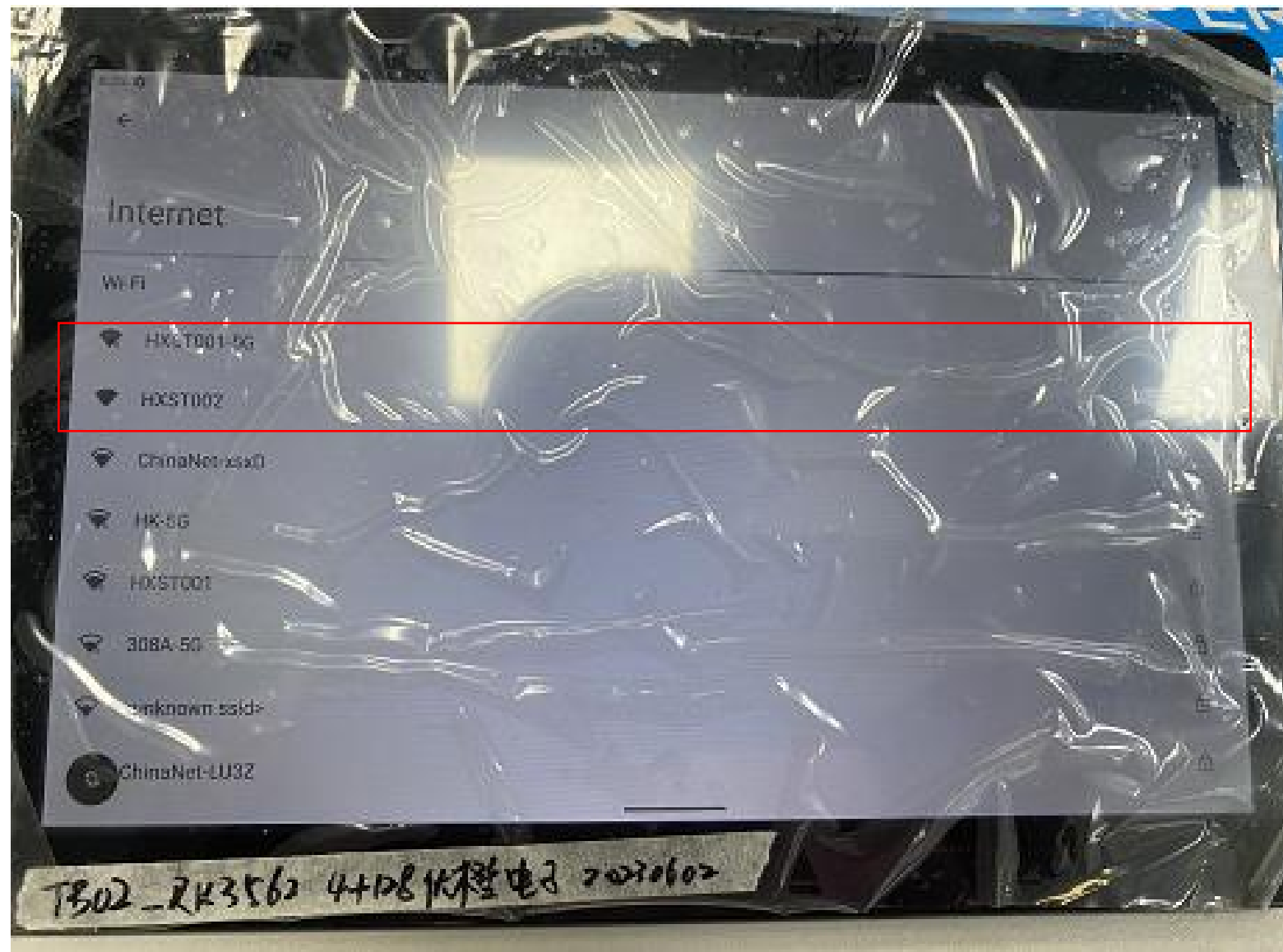
WIFI天线位置



Wifi天线实测

Wifi Antenna test

测试环境：
办公室内
距离路由器距离：
约15米

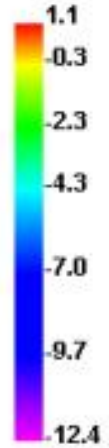
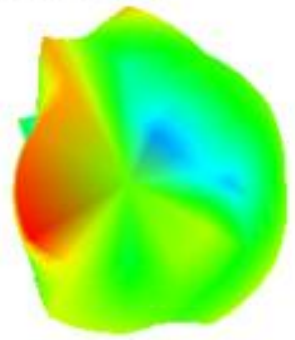




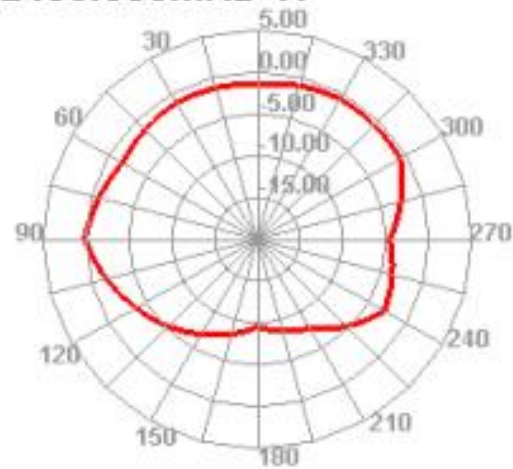
Passive Test For 2.4G			
Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
2400	19.51	-7.1	-0.87
2410	19.91	-7.01	-0.89
2420	19.26	-7.15	-1.17
2430	19.29	-7.15	-1.28
2440	18.82	-7.25	-0.48
2450	19.85	-7.02	0.19
2460	21.34	-6.71	0.76
2470	22.18	-6.54	2.00
2480	23.2	-6.34	1.38
2490	24.19	-6.16	1.83
2500	24.88	-6.04	1.24



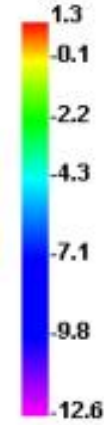
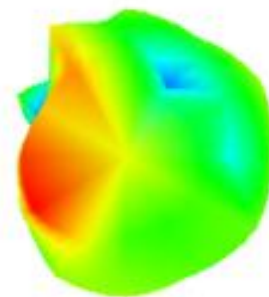
2400.000MHz



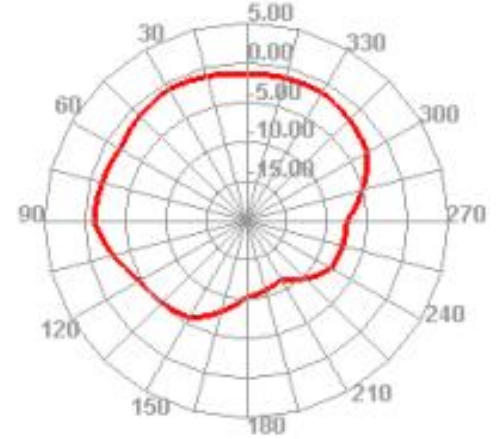
2400.000MHz H



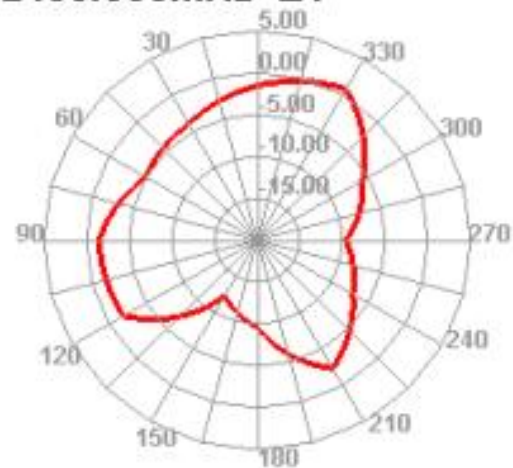
2450.000MHz



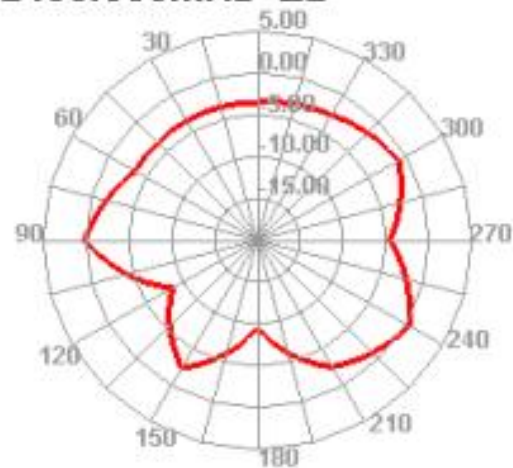
2450.000MHz H



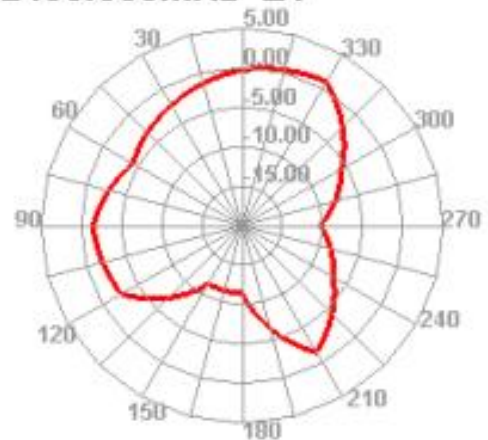
2400.000MHz E1



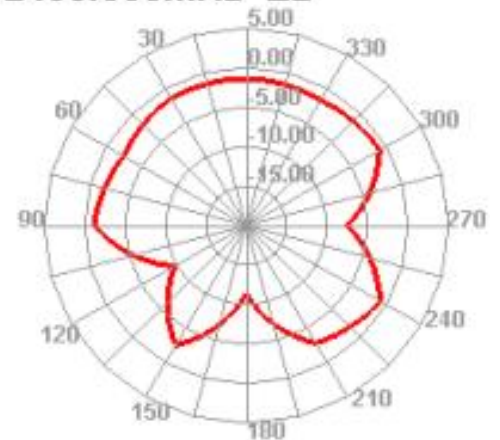
2400.000MHz E2



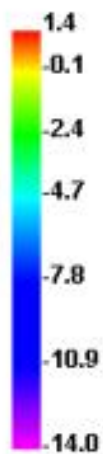
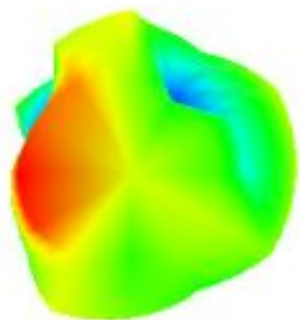
2450.000MHz E1



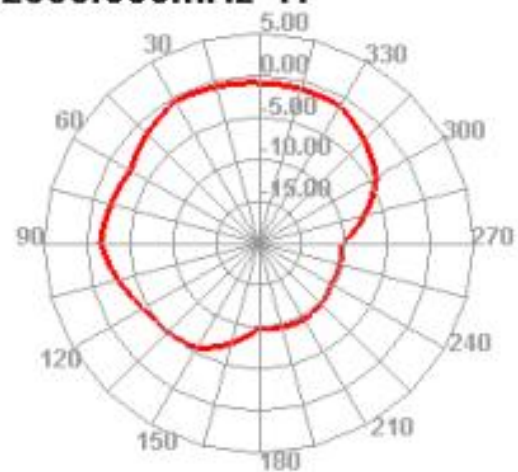
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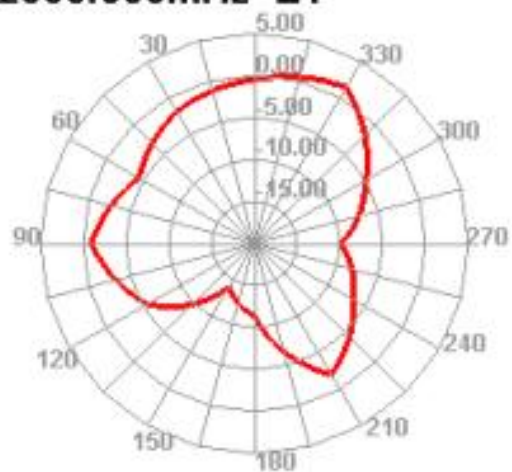
2500.000MHz



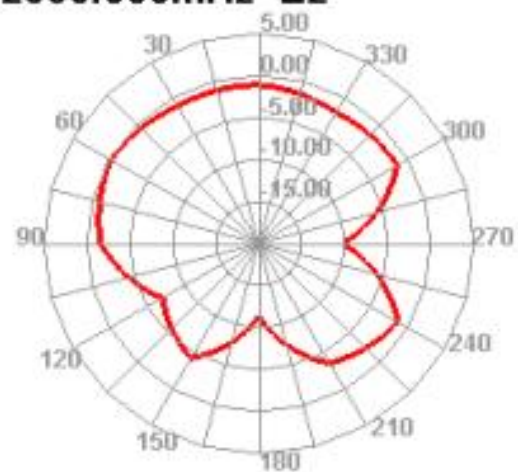
2500.000MHz H



2500.000MHz E1



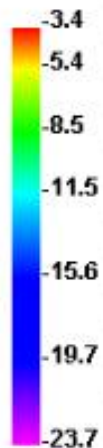
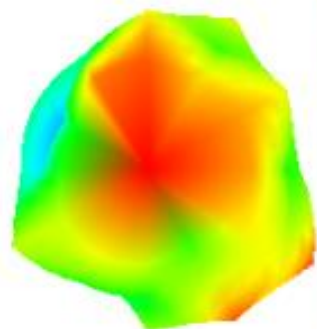
2500.000MHz E2



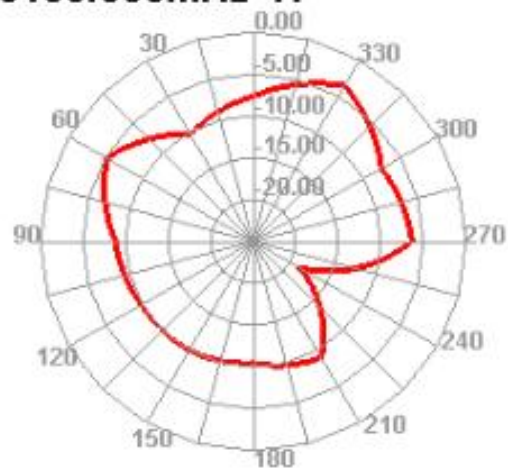


Passive Test For 5G-WIFI			
Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
5000	25.2	-5.99	-0.23
5100	26.52	-5.76	-0.23
5200	24.17	-6.17	-0.58
5300	30.84	-5.11	1.41
5400	37.57	-4.25	1.48
5500	38.25	-4.17	1.07
5600	32.46	-4.89	1.02
5700	29.73	-5.27	1.98
5800	31.27	-5.05	2.00
5900	20.68	-6.84	1.08
6000	21.97	-6.58	1.57

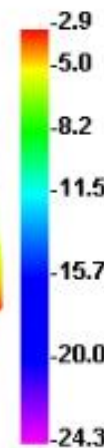
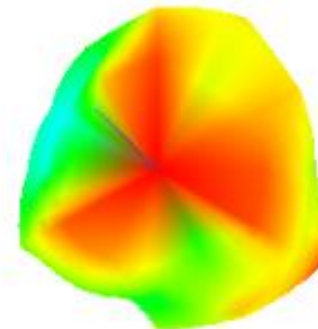
5150.000MHz



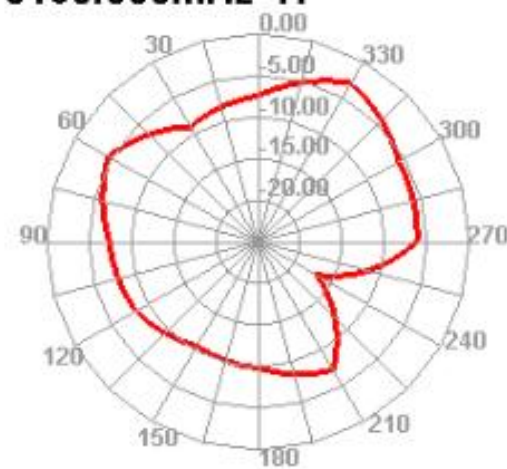
5150.000MHz H



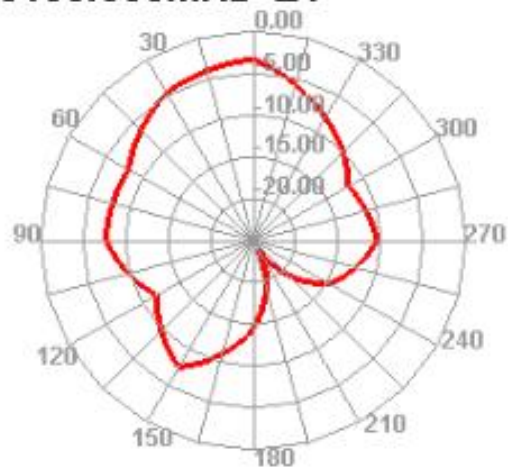
5160.000MHz



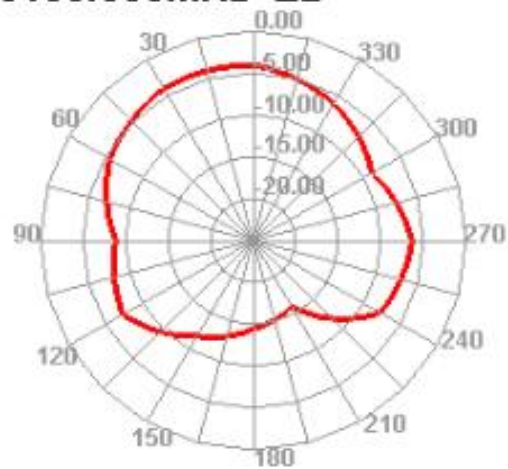
5160.000MHz H



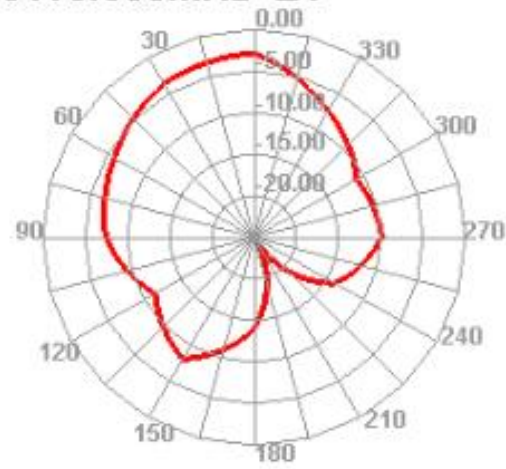
5150.000MHz E1



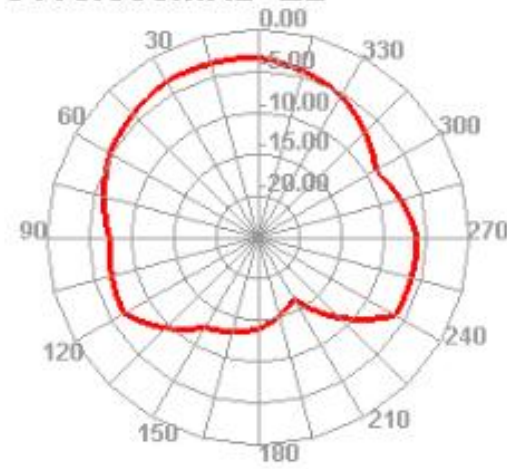
5150.000MHz E2



5160.000MHz E1

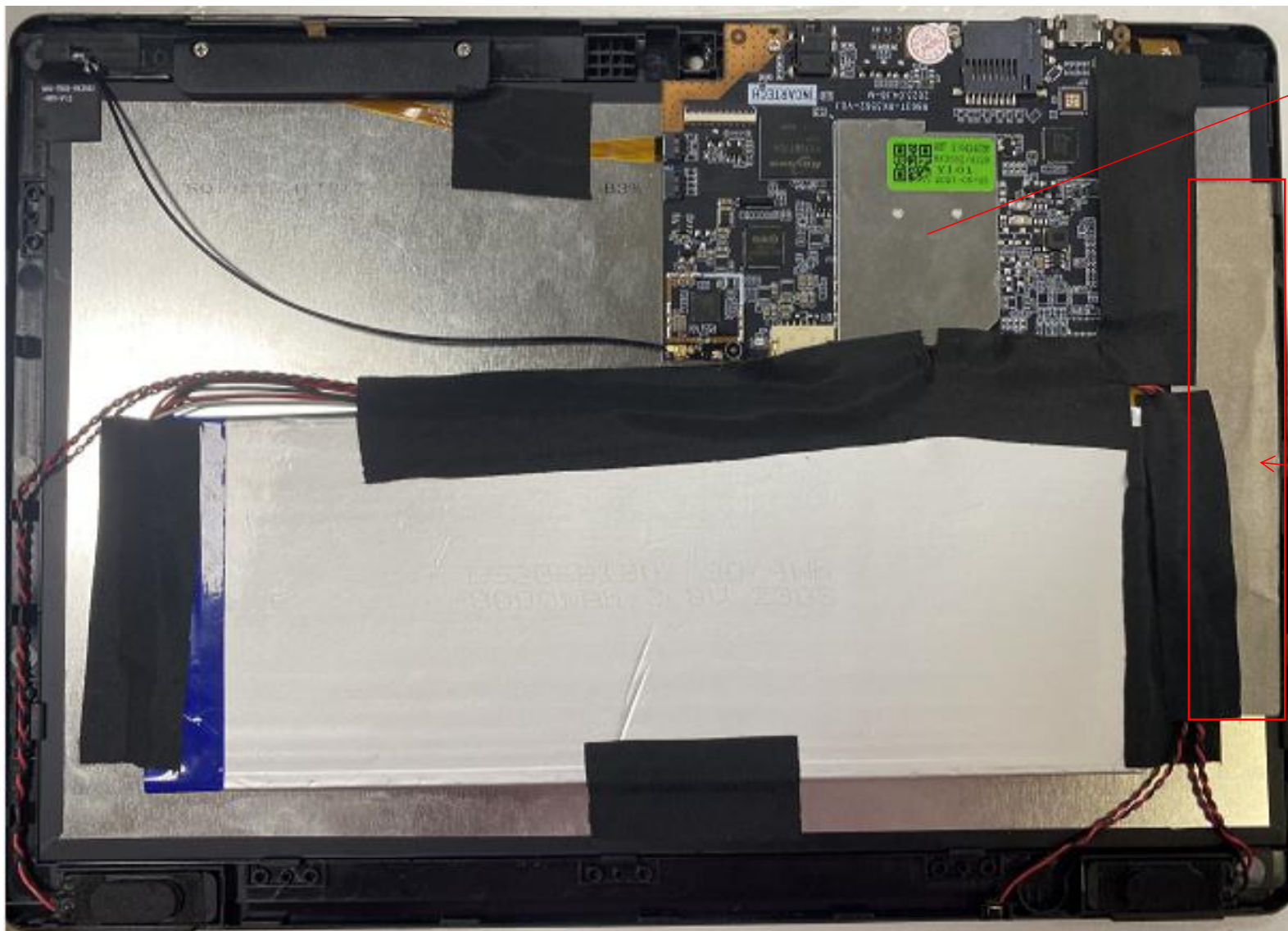


5160.000MHz E2



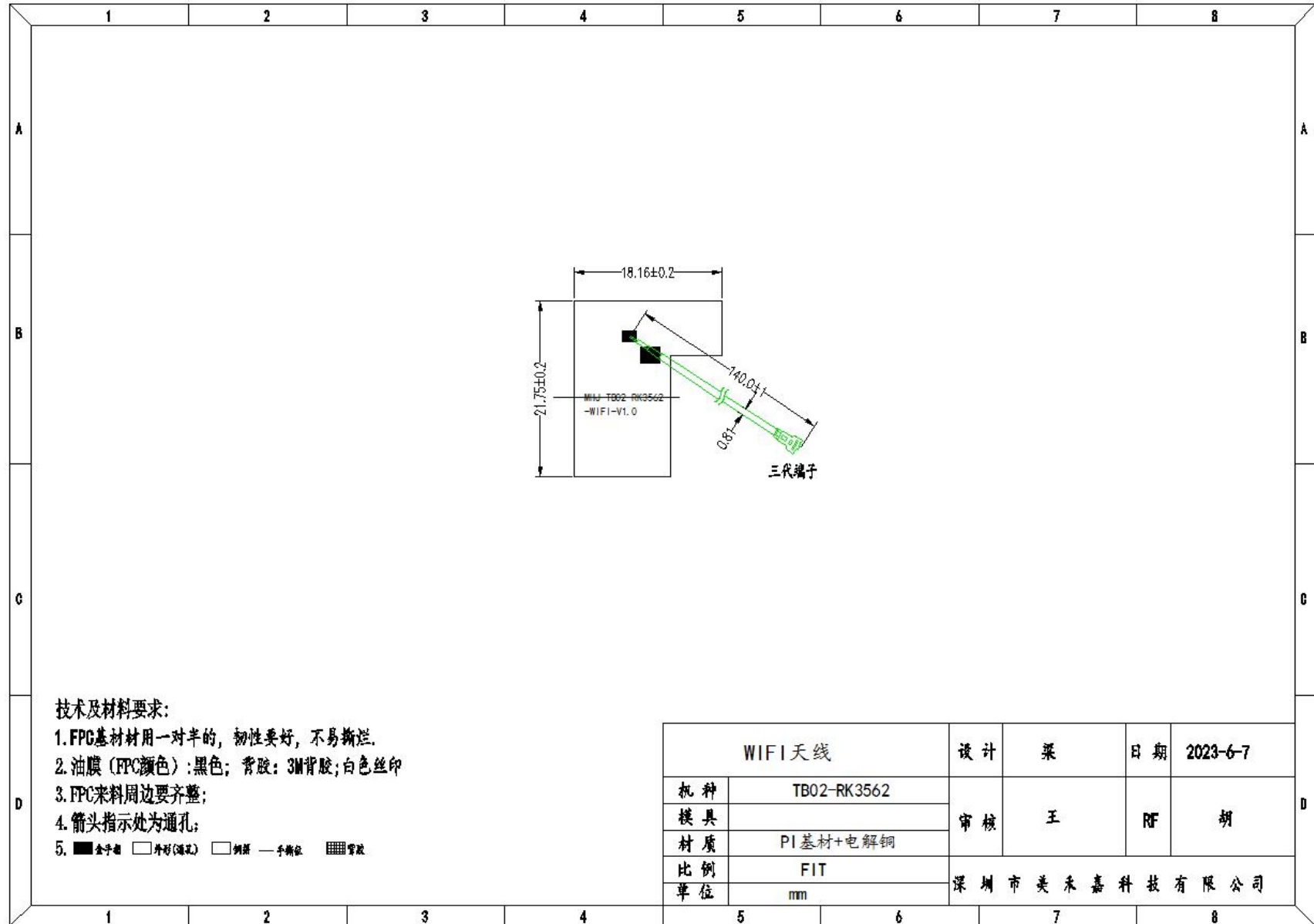
环境处理

Environmental treatment



主板背面露铜区域与屏蔽盖接地

摄像头排线用导电布屏蔽





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