

# Antena Test Report



专业的4G/3G/GPS/WIFI等天线方案设计及供应商

客户名称：数字印

项目名称：P216

频段：GPS/2.4G/5.8G/BT

版本：A

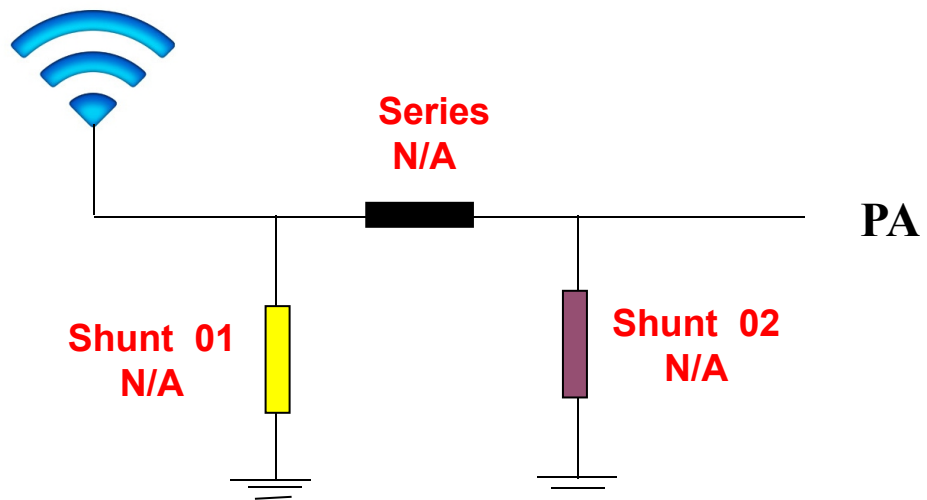
制作日期：2024-3-21



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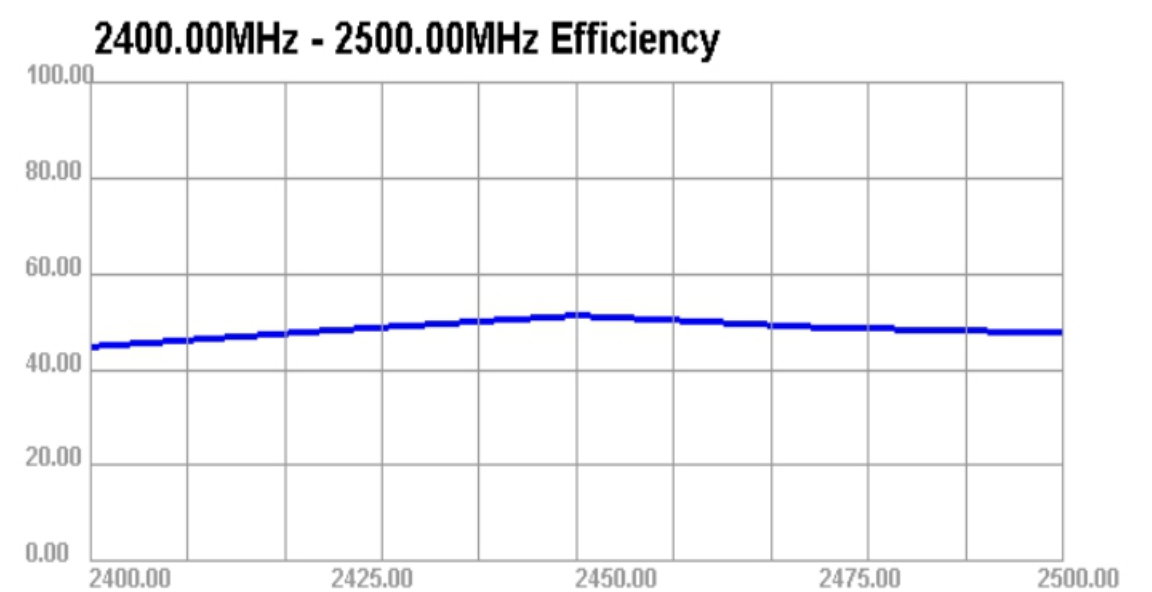
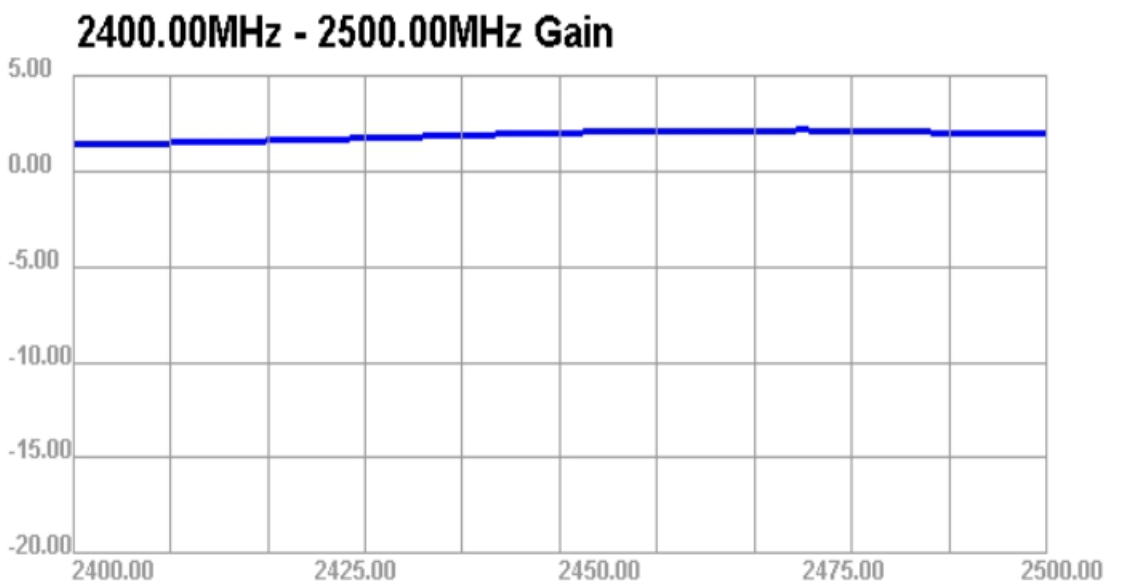
Antenna



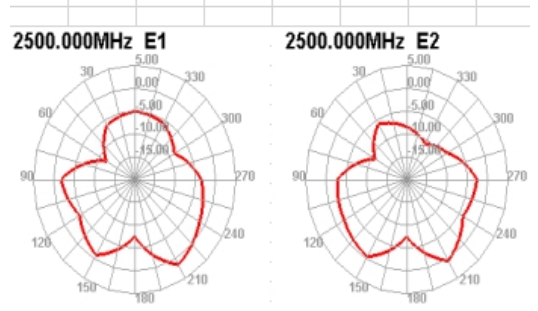
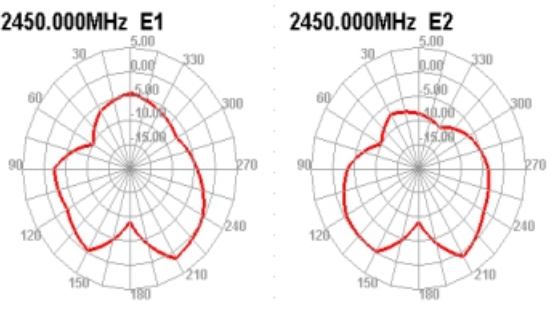
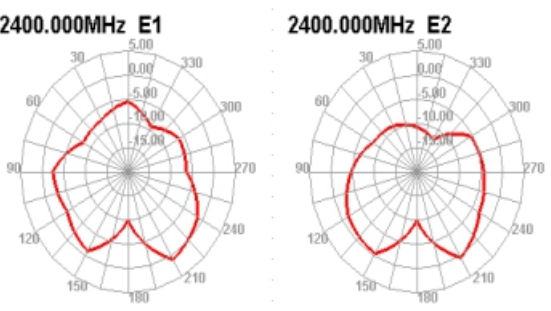
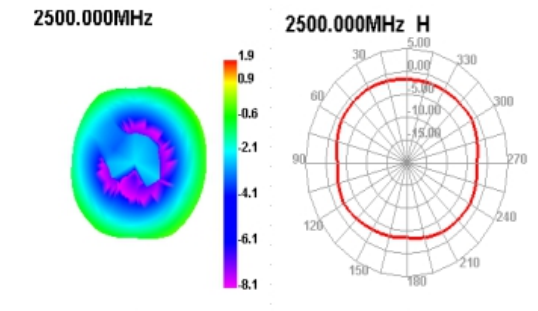
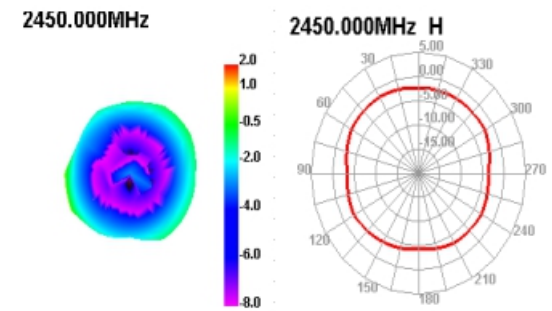
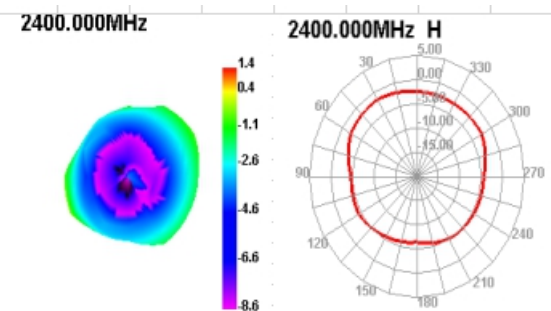
Location	Description
Shunt 01	N/A
Series	N/A
Shunt 02	N/A

# 效率&增益-低频

Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	44.8	-3.49	1.36	-0.79	12.679	32.123	1.36	-12.4	4.85	30	47.77	47.82
2425	48.24	-3.17	1.64	-0.51	13.212	35.03	1.64	-10.87	4.81	30	48.06	48.12
2450	51.3	-2.9	2.02	-0.13	13.579	37.724	2.02	-11.51	4.92	30	48.56	48.53
2475	48.85	-3.11	2.14	-0.01	13.099	35.755	2.14	-13.58	5.26	30	48.46	48.26
2500	47.68	-3.22	1.93	-0.22	13.752	33.925	1.93	-14.85	5.14	0	48.42	48.12



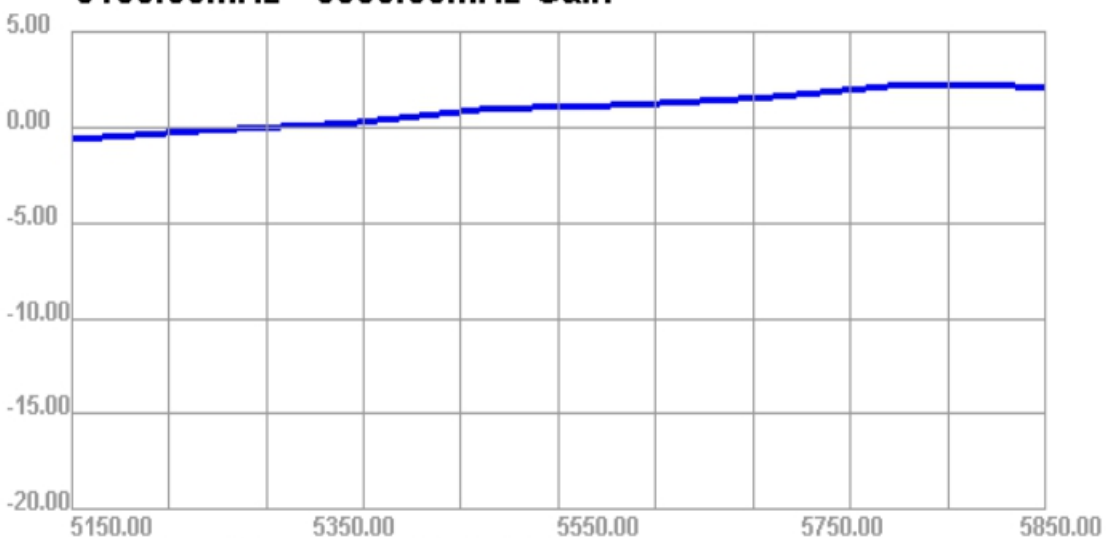
# 效率&增益-低频



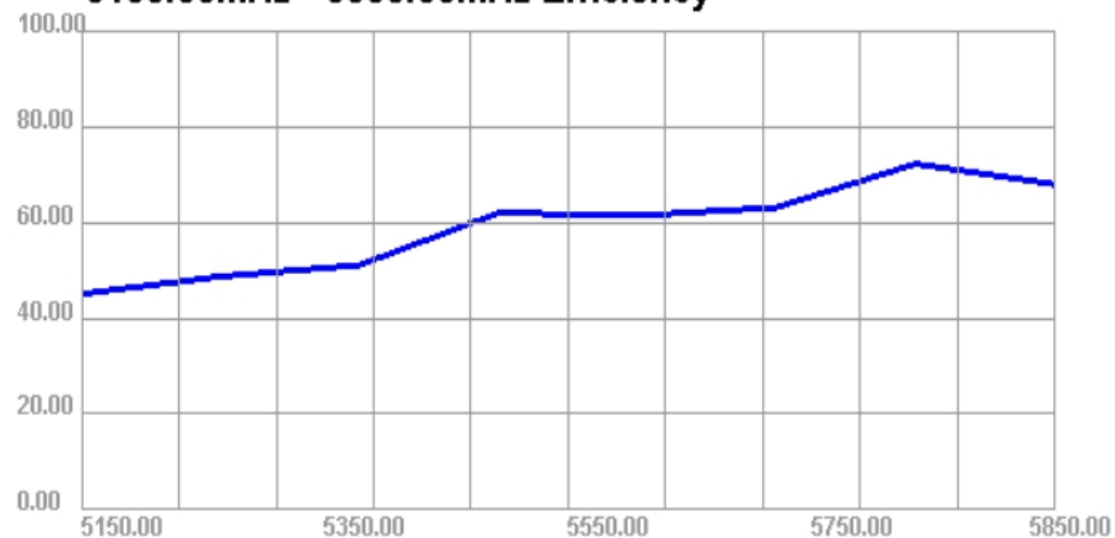
# 效率&增益-高频

Passive Test For 5.8G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
5150	45.12	-3.46	-0.64	-2.79	26.222	18.893	-0.64	-16.62	2.82	30	58.6	58.01
5250	48.74	-3.12	-0.15	-2.3	28.358	20.377	-0.15	-17.16	2.97	60	58.53	57.74
5350	51.12	-2.91	0.2	-1.95	30.042	21.078	0.2	-17.62	3.12	30	57.99	57.08
5450	62.04	-2.07	0.97	-1.18	36.989	25.046	0.97	-18.37	3.04	30	59.19	57.9
5550	61.43	-2.12	1.16	-0.99	37.509	23.922	1.16	-20.71	3.28	30	60.21	58.81
5650	63.18	-1.99	1.55	-0.6	39.576	23.606	1.55	-22.59	3.55	30	60.31	59.42
5750	72.24	-1.41	2.23	0.08	46.411	25.833	2.23	-20.45	3.64	30	60.88	60.28
5850	68	-1.67	2.12	-0.03	44.388	23.617	2.12	-23.41	3.79	0	61.09	60.41

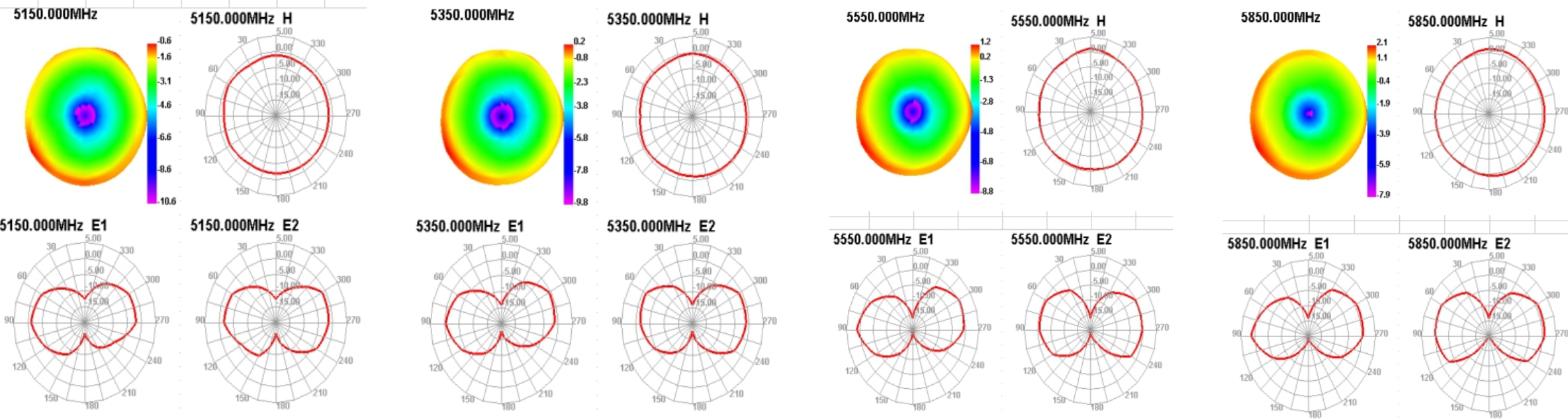
5150.00MHz - 5850.00MHz Gain



5150.00MHz - 5850.00MHz Efficiency



# 效率&增益-高频







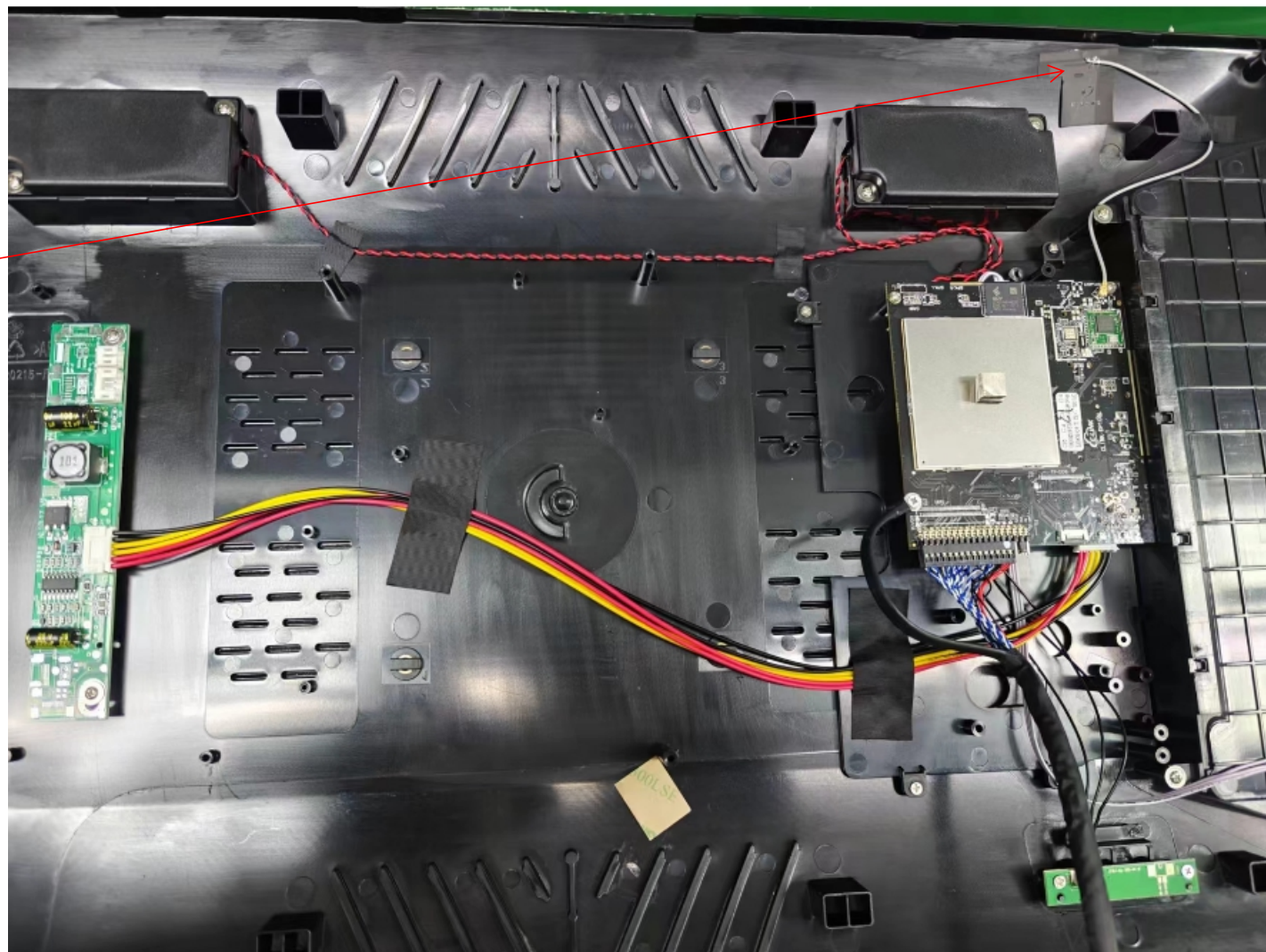
# WIFI OTA Data

2.4G	802.11b, (2.4G) 11M		
Channel	CH1	CH6	CH11
TRP	13.79	13.85	13.93
TIS	-79.62	-79.33	-79.65
5G	802.11a, 54M		
Channel	CH36	CH60	CH161
TRP	10.72	10.85	10.19
TIS	-69.54	-69.77	-68.62

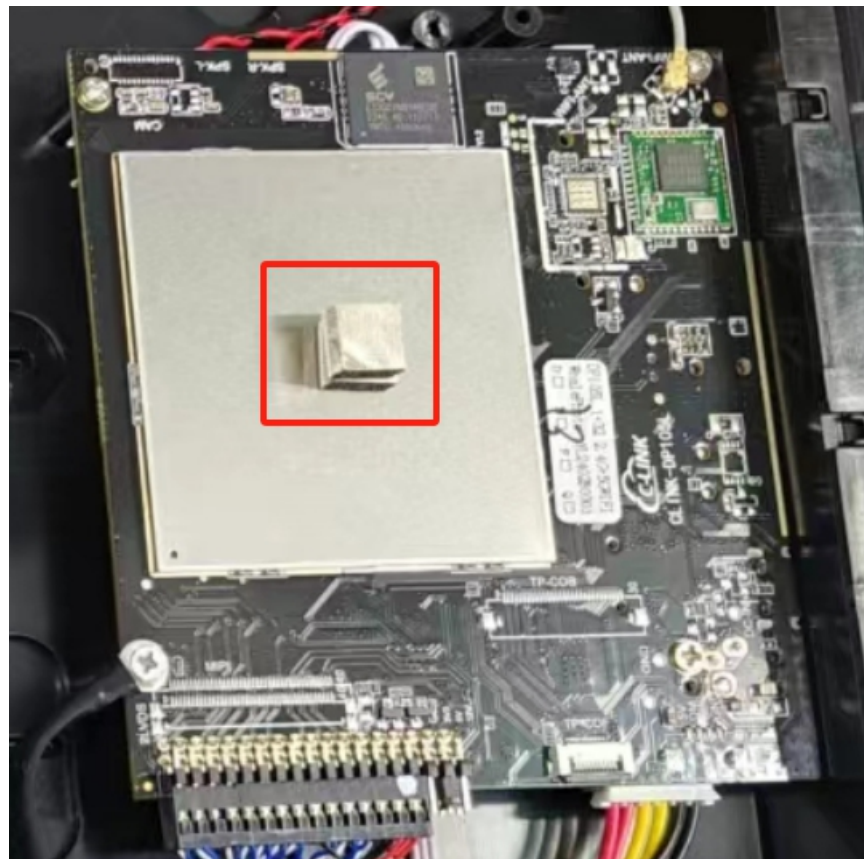
# 天线安装位置图



WiFi天线



## 环境处理



主板屏蔽盖贴导电泡绵跟显示屏接地



# Thanks

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