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深圳顺达成科技有限公司

Antenna Test Report



专业的4G/3G/2G等天线方案设计及供应商

客户名称：台电

项目名称：ST11

频段：GSM（850/1800/1900）；W(2/4/5)；LTE-(B2/B4/B5/B7/B12/B13/B25/B26/B28/B38/B40/B41/B66)

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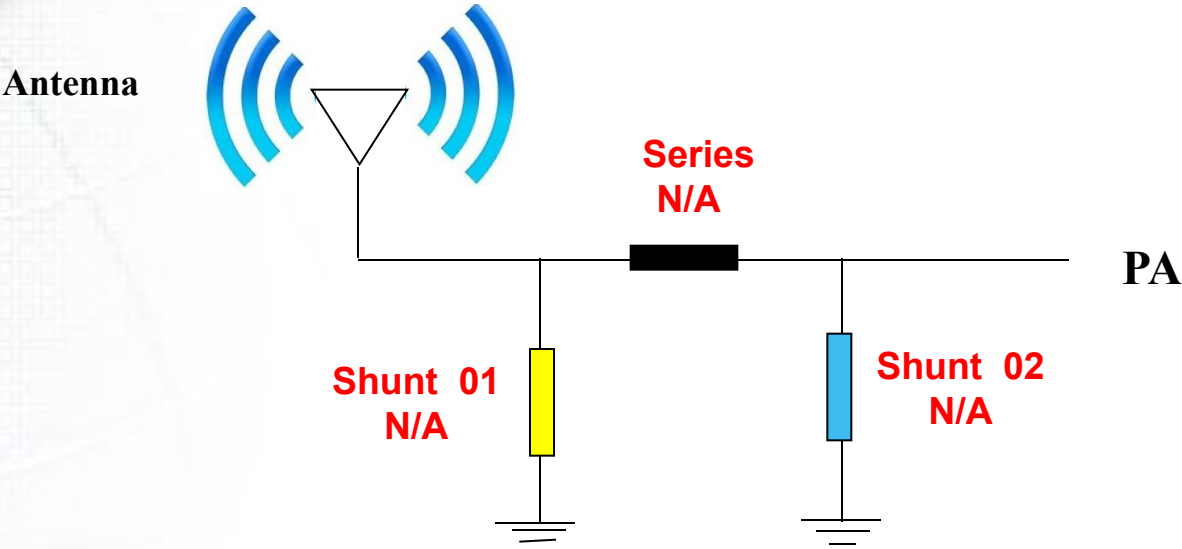
1. Test system

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





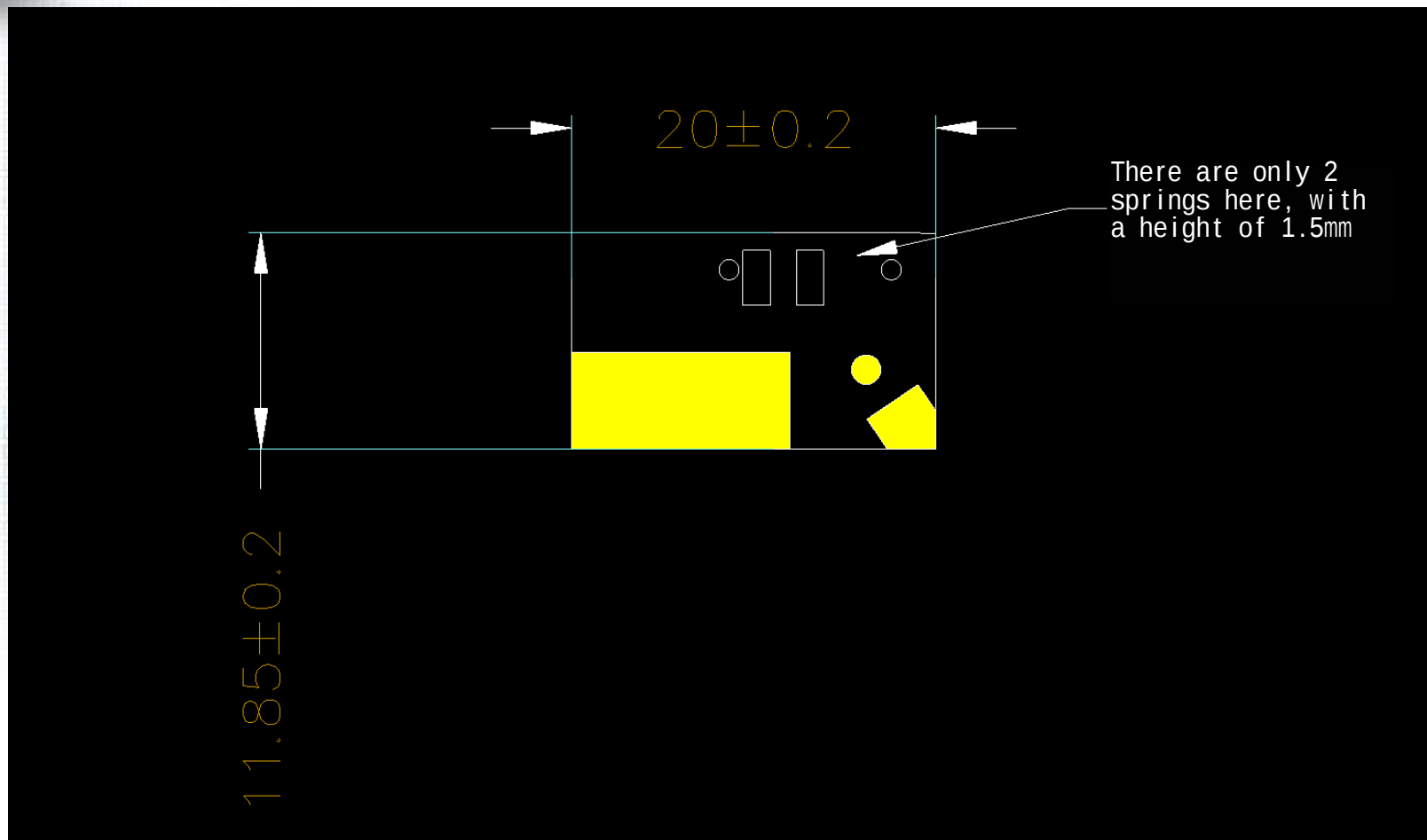
2. Antenna Matching Network



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



4G main antenna ANT 1





S11 Parameter-VSWR

4G main antenna
ANT 1

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Frequency(MHz)	700	824	960	1710	1990	2170	2300	2500	2690
VSWR	4.75	1.40	3.50	1.65	1.31	1.26	1.56	1.17	1.55



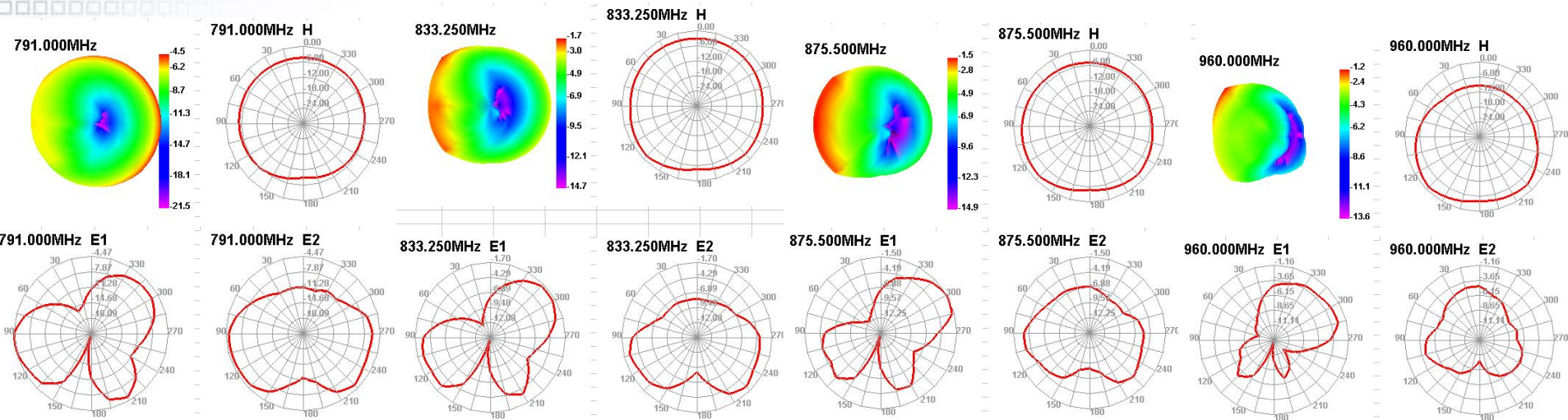
Gain & Efficiency

4G main antenna
ANT 1

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Passive Test For 低频										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
791	29.92	-4.01	-1.47	-3.62	16.554	21.362	-1.47	-14.49	41.01	41.39
833.25	37.58	-4.25	-1.7	-3.85	16.045	21.533	-1.7	-14.67	41.33	41.05
875.5	32.96	-4.82	-1.5	-3.65	15.927	17.031	-1.5	-14.94	42.17	41.84
917.75	31.95	-4.84	-1	-3.15	17.036	14.912	-1	-12.52	45.41	45.36
960	27.39	-5.62	-1.16	-3.31	14.667	12.723	-1.16	-13.64	44.3	44.49

791.00MHz - 960.00MHz Gain





Gain & Efficiency

4G main antenna ANT

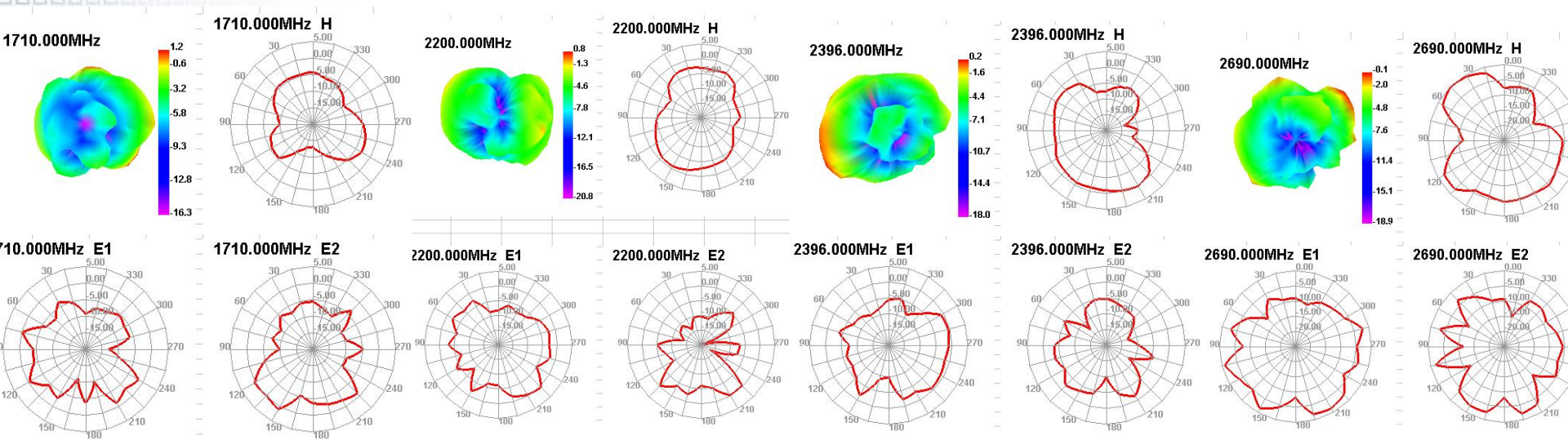
1

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Passive Test For 高频-4G

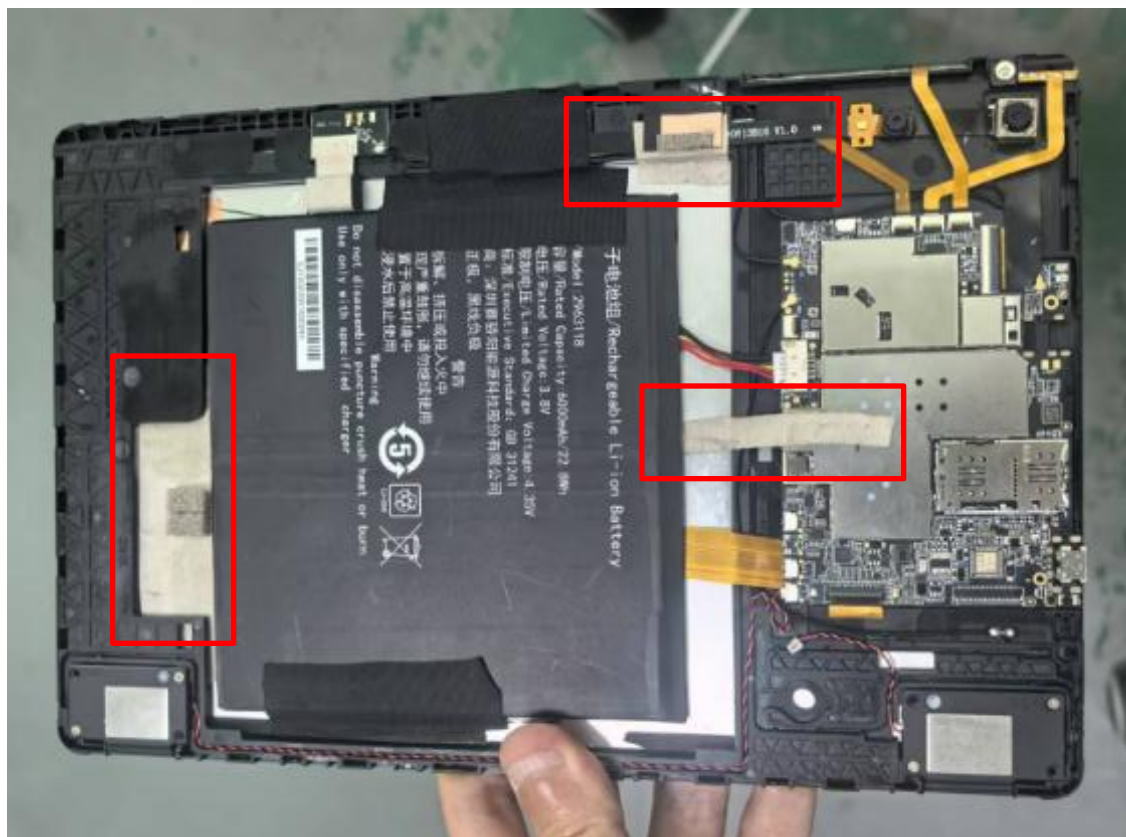
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
1710	38.79	-4.11	1.17	-0.98	13.149	25.645	1.17	-16.27	46.1	45.85
1808	39.22	-4.06	1.71	-0.44	13.858	25.362	1.71	-16.6	45.94	45.78
1906	45.21	-3.45	1.56	-0.59	16.859	28.355	1.56	-16.44	46.52	46.42
2004	49.18	-3.08	2	-0.15	20.004	29.177	2	-18.95	47.82	47.69
2102	49.07	-3.09	1.77	-0.38	19.855	29.211	1.77	-20.05	48.74	48.34
2200	39.1	-4.08	0.83	-1.32	15.504	23.596	0.83	-20.78	48.7	48.38
2298	39.23	-4.06	0.08	-2.07	16.505	22.72	0.08	-14.15	49.66	49.14
2396	37.3	-4.28	0.2	-1.95	14.81	22.489	0.2	-18	50.64	50.23
2494	52.05	-2.84	2.08	-0.07	18.934	33.12	2.08	-14.3	52.53	52.43
2592	38.96	-4.09	1.14	-1.01	13.905	25.054	1.14	-16.84	51.57	51.01
2690	34.13	-4.67	-0.1	-2.25	12.838	21.293	-0.1	-18.91	52.42	51.97

1710.00MHz - 2690.00MHz Gain





Antenna Assembly & environmental processing



需要用导电布对屏接口做屏蔽处理，需要用导电布对主板屏蔽罩做接地处理，需要用导电布对摄像头排线做屏蔽处理，导电布尺寸为20mm*25mm。



Antenna Assembly & environmental processing

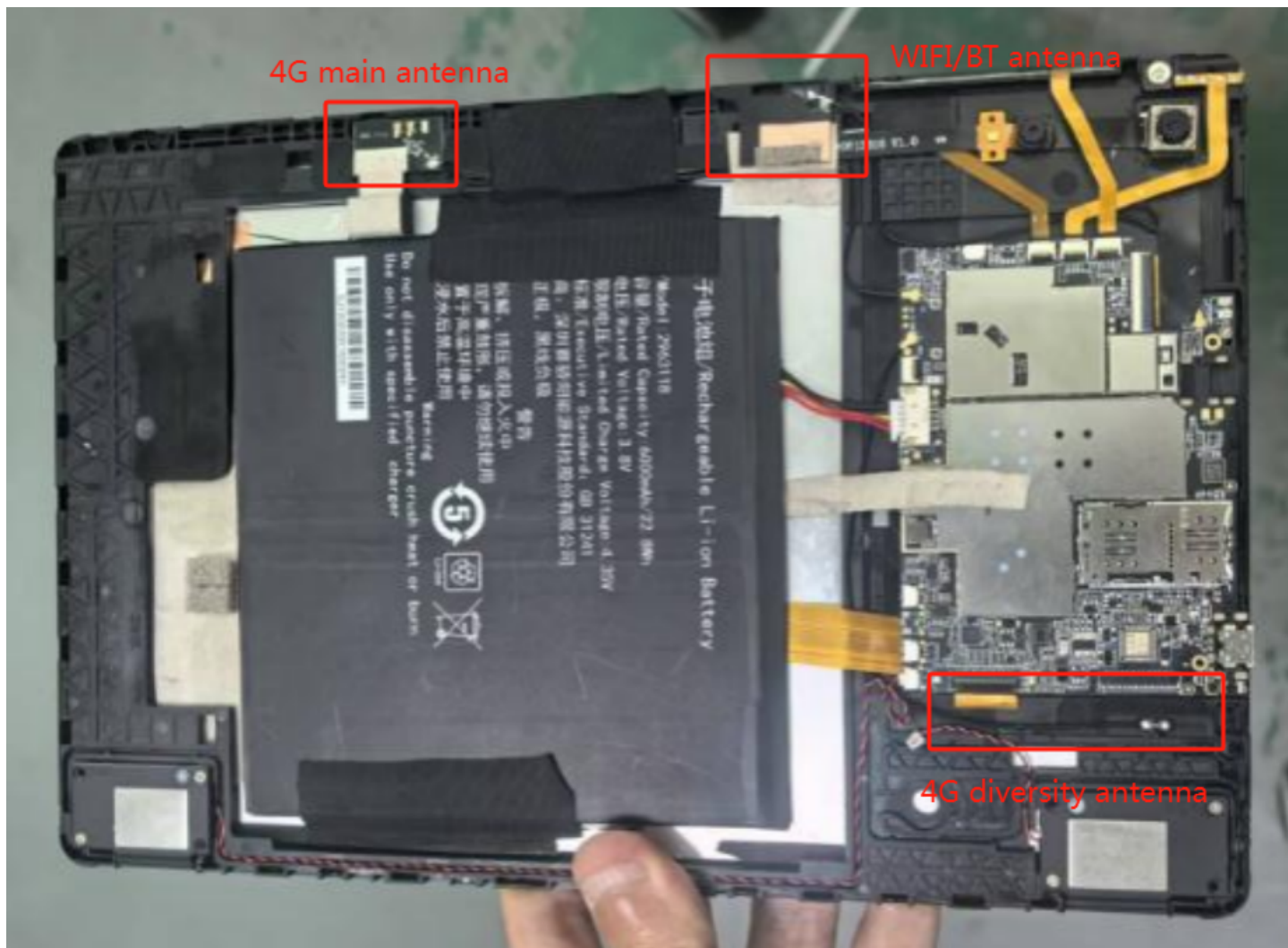


需要对金属后壳镭雕处用导电泡棉做接地处理，同时需要对金属后壳多增加两个镭雕位。



Antenna Assembly & environmental processing

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SHUN DA CHENG TECHNOLOGY CO., LTD

顺达成感谢您的支持

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