



客户承认书

SPECIFICATION FOR APPROVAL

CUSTOMER/PROJECT 客户/机型: LANDI A8S-EAU

PRODUCT NAME./ 物料名称: LTE ANT

MODEL NO./ 物料型号: 5U075A

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1 名词解释/Noun explanation

dBi	Decibel relative isotropic antenna
Tx	Transmit frequency
Rx	Receive frequency
TRP	Total Radiated Power
TIS	Total Isotropic Sensitivity
VSWR	Voltage Standing Wave Ratio
GSM	Global Service for Mobile communication
DCS	Digital Communication System
CDMA	Code Division Multiple Access
WCDMA	Wideband Code Division Multiple Access

2 测试设备/Test equipment

矢量网络分析仪/ network analyzer

综合测试仪/ Agilent8960

SATIMO64 位暗室/ SATIMO64 chamber

3 适用频段/Working frequency band

将适用的频段用其他颜色标出/ The yellow Identification is the using band

制式	上行	下行
GSM850	824MHz~849MHz	869MHz~894MHz
GSM900	890MHz~915MHz	935MHz~960MHz
DCS1800	1710MHz~1785MHz	1805MHz~1880MHz
PCS1900	1850MHz~1910MHz	1930MHz~1990MHz
CDMA800	825MHz~835MHz	870MHz~880 MHz
CDMA2000	824MHz ~849MHz	869MHz ~894MHz
WIFI (2. 4G)	2412MHz~2483MHz	
TD-SCDMA2100	2010MHz~2025MHz	2010MHz~2025MHz
LTE	700MHz ~2690MHz	

4 基本测试项目/Test project

4.1 驻波比图/VSWR plot

4.2 史密斯阻抗图/Simth plot

4.3 辐射方向图/Radiation pattern

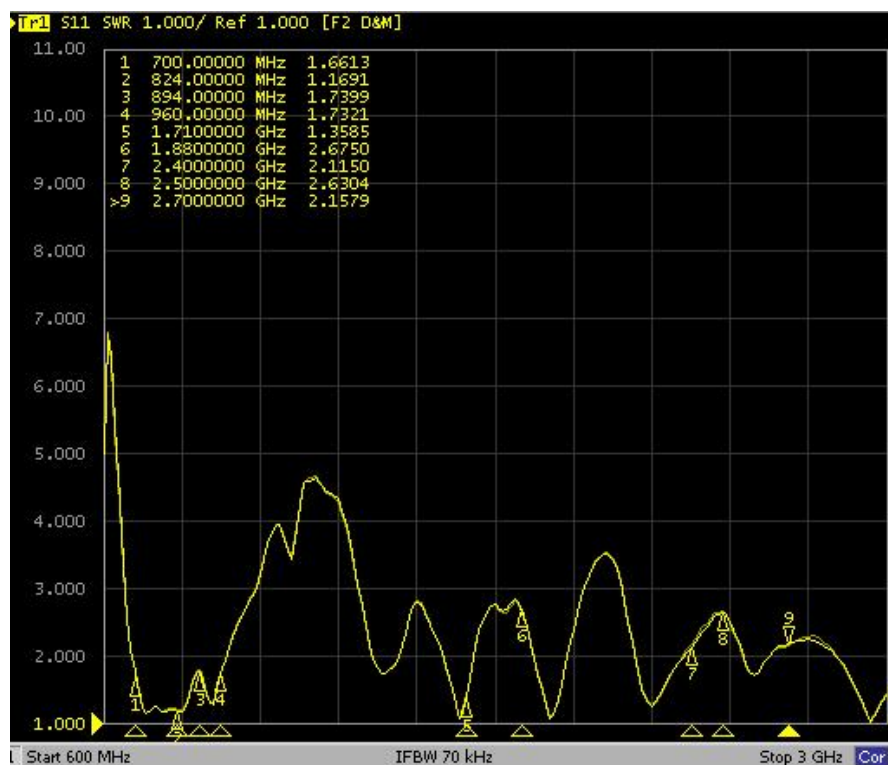
4.4 增益和效率/Gain & Efficiency

4.5 TRP&TIS

5 测试指标和数据图表/Antenna parameter

5.1 驻波比/VSWR

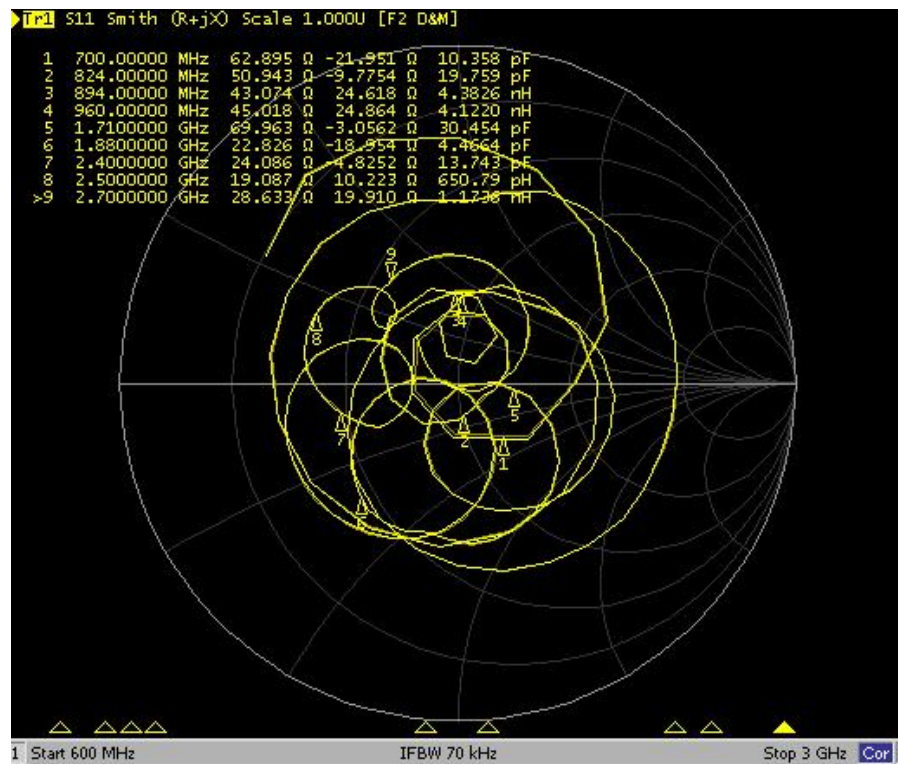
5.1.1 驻波比图 /VSWR plot



5.1.2 驻波比数据/VSWR data

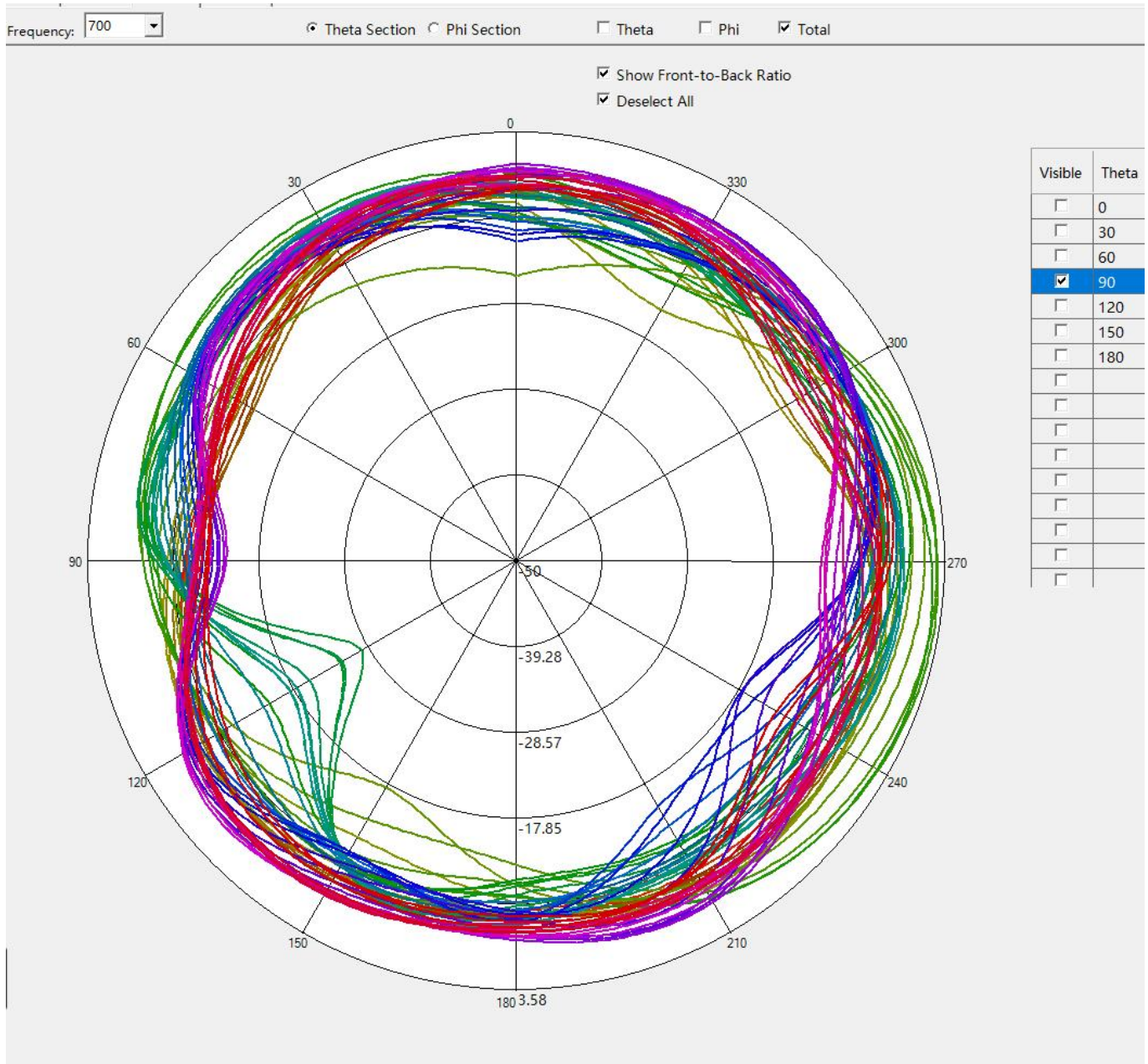
Freq/MHz	700	824	960	1710	1880	2400	2690
VSWR	1.6	1.1	1.7	1.3	2.6	2.1	2.1

5.2 史密斯阻抗圆图/Simth plot

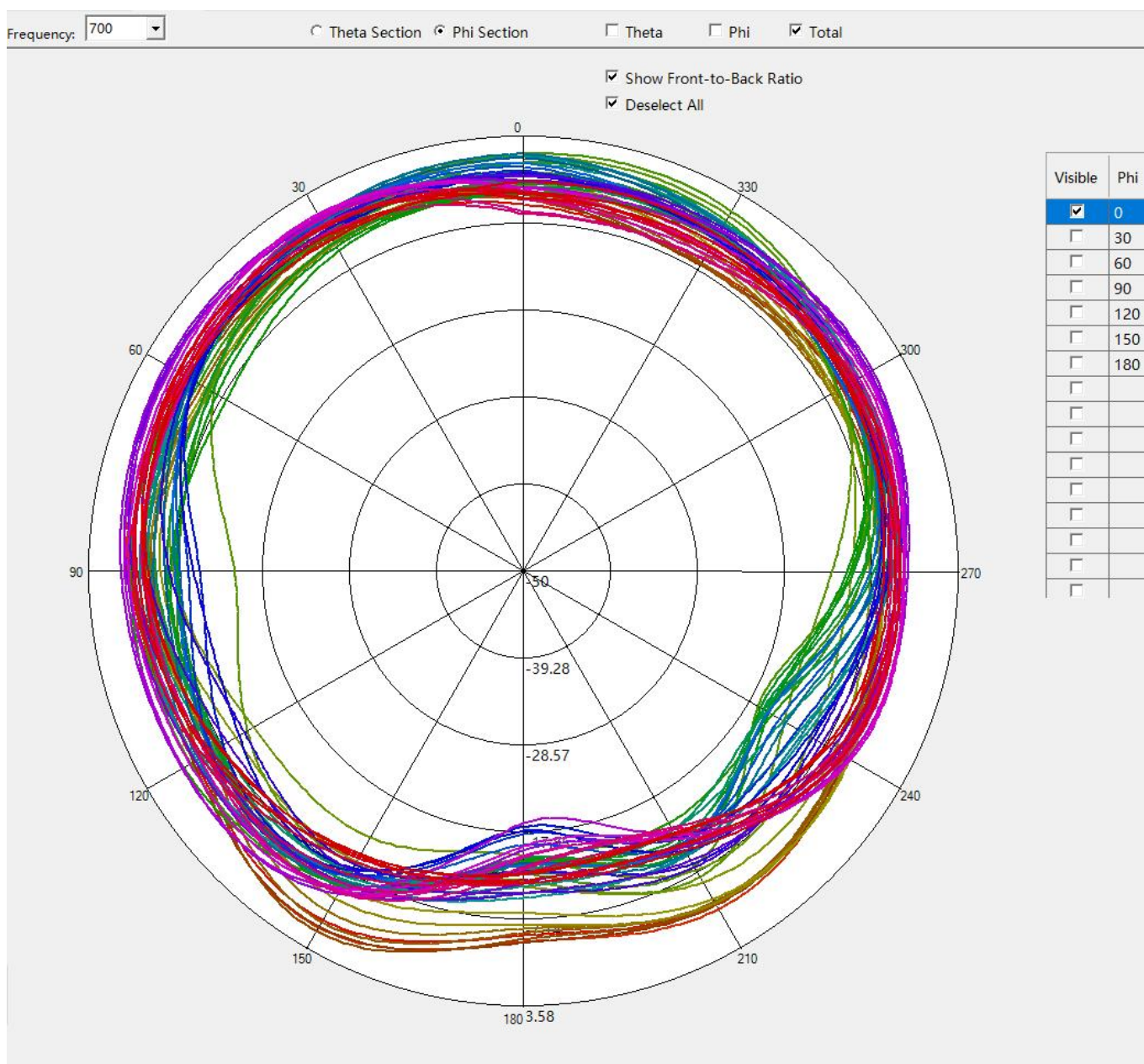


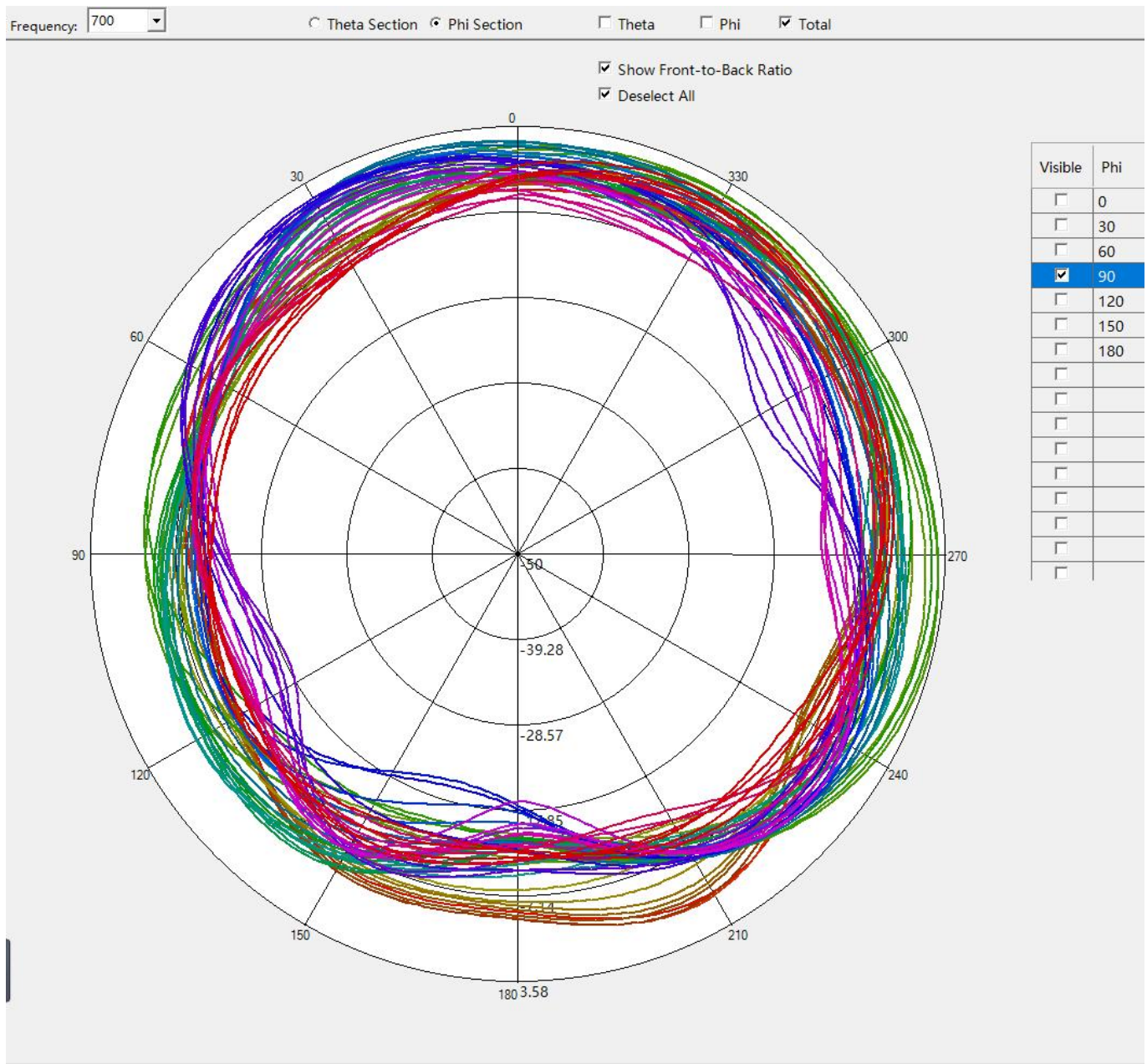
5.3 辐射方向图/Radiation pattern

5.3.1 H-plane



5.3.2 E-plane





5.4 增益和效率/Gain & Efficiency

Freq (MHZ)	Eff (%)	GAIN (dBi)	Freq (MHZ)	Eff (%)	GAIN (dBi)	Freq (MHZ)	Eff (%)	GAIN (dBi)
700	39.86	0.43	1710	38.87	0.06	2300	46.77	0.62
720	43.79	1.37	1750	37.64	-0.30	2330	50.05	0.95
740	41.06	1.29	1790	36.30	-0.93	2370	44.90	0.34
760	36.64	1.75	1830	37.45	-0.60	2400	43.04	0.82
780	32.00	0.32	1870	39.49	-0.34	2450	40.87	0.60
800	31.21	-1.37	1900	37.87	-0.59	2480	39.01	0.07
820	32.23	-1.53	1930	40.92	-0.37	2510	38.39	-0.61
840	34.29	-0.80	1960	41.96	0.52	2540	36.52	-1.73
860	30.97	-0.09	1990	46.39	1.45	2570	39.02	-0.68
880	32.36	0.46	2100	46.58	1.81	2600	40.18	-0.33
900	41.48	1.40	2130	46.55	1.69	2630	38.33	-0.20
920	56.83	2.58	2160	41.63	1.13	2660	35.03	0.42
940	61.00	2.64				2690	28.67	0.49
960	59.48	2.05						

6 环境处理建议/Environmental treatment suggestions

此处加导电布作屏蔽 Add conductive cloth here for shielding

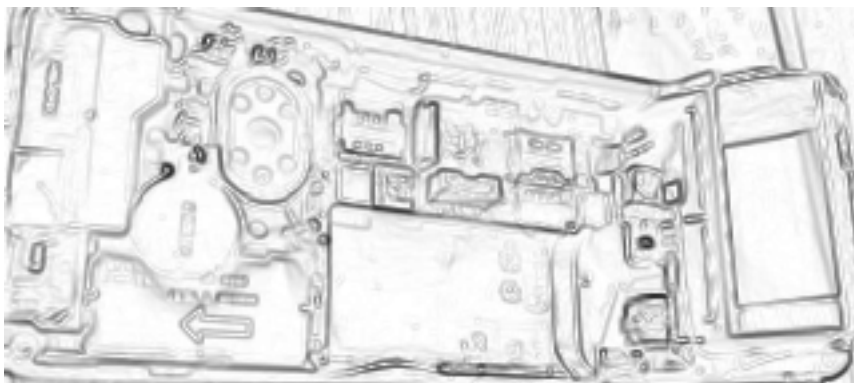
7 阻抗匹配要求

匹配不需要更改/ *The matching circuit has not been changed*

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9 天线安装指导/Antenna installation guide

9.1 天线安装及馈线走线说明/Antenna installation instructions



10 其他/Other