

Antenna Test Report

SHENZHEN KURUIJIE

Customer: 联合天通

Project: KD240R

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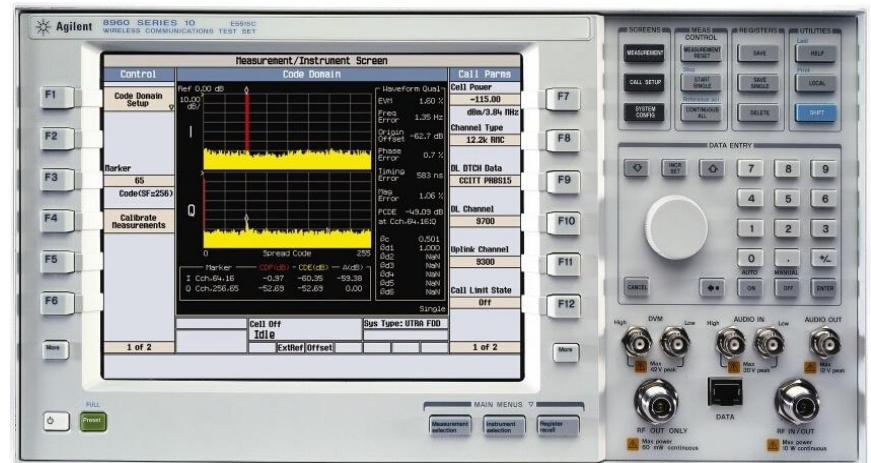
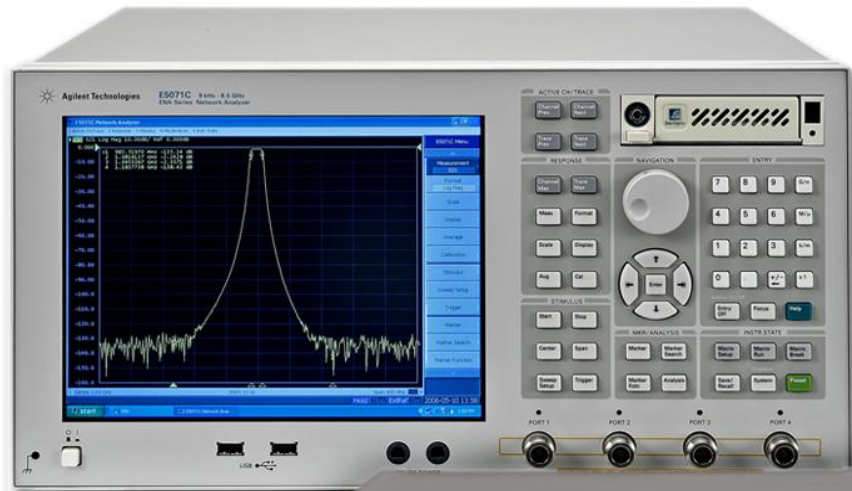
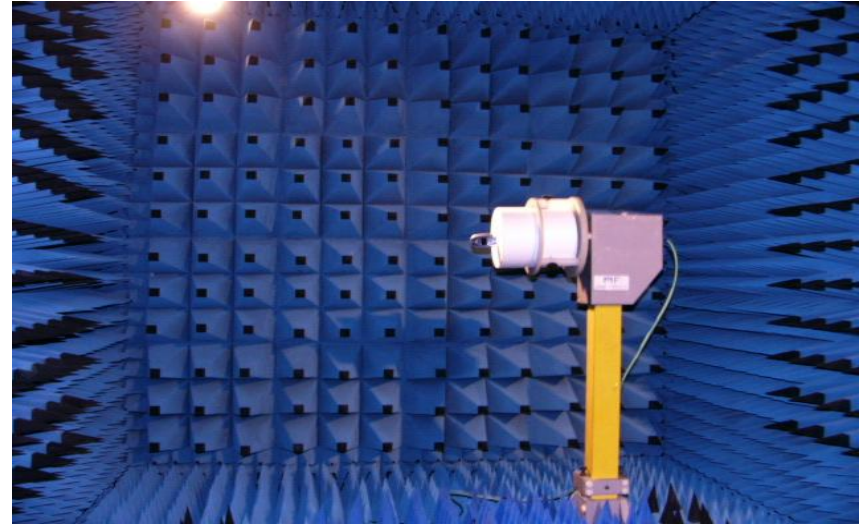
Testing Date: 2025.01.10

Index:

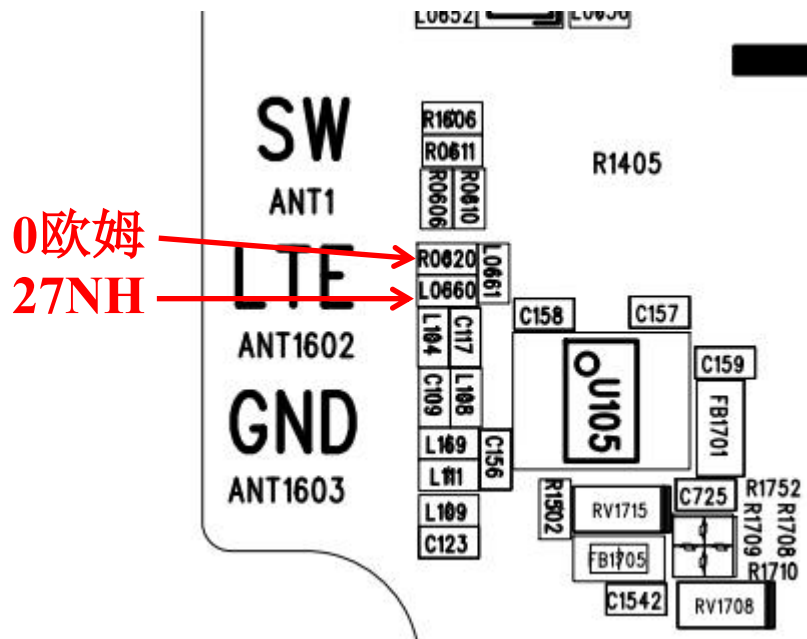
- 1. Testing Item & Equipments**
- 2. Matching Circuits**
- 3. Environmental Disposal**
- 4. Test Data**

1. The Equipment of Active Test

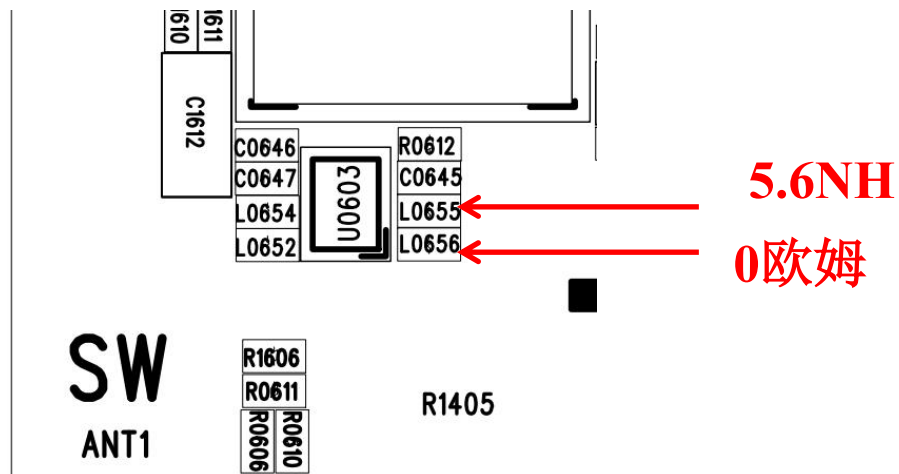
- 1: Anechoic Chamber 7x4x3 m (3D)
- 2: Rohde & Schwarz CMW500
- 3: AGILENT 8960 5515C
- 4: Network Analyzer-AGILENT ENA5071B



2. Matching Circuits-主天线



主路匹配: L0660:27NH
R0620:0欧姆
L0661:NC



开关匹配逻辑	开关路径	匹配值	2G频率	3G频率	4G频率
	RF1 (L0656)	0欧姆	850/900/1900/1800	W2/4/5/8	B2/3/4/5/7/8/66
	RF2(L0655)	5.6NH			B12/17/28AB
	RF3(L0652)	NC			
	RF4(L0654)	NC			

2. Matching Circuits-**FM天线**

FM天线
原匹配电路没有修改

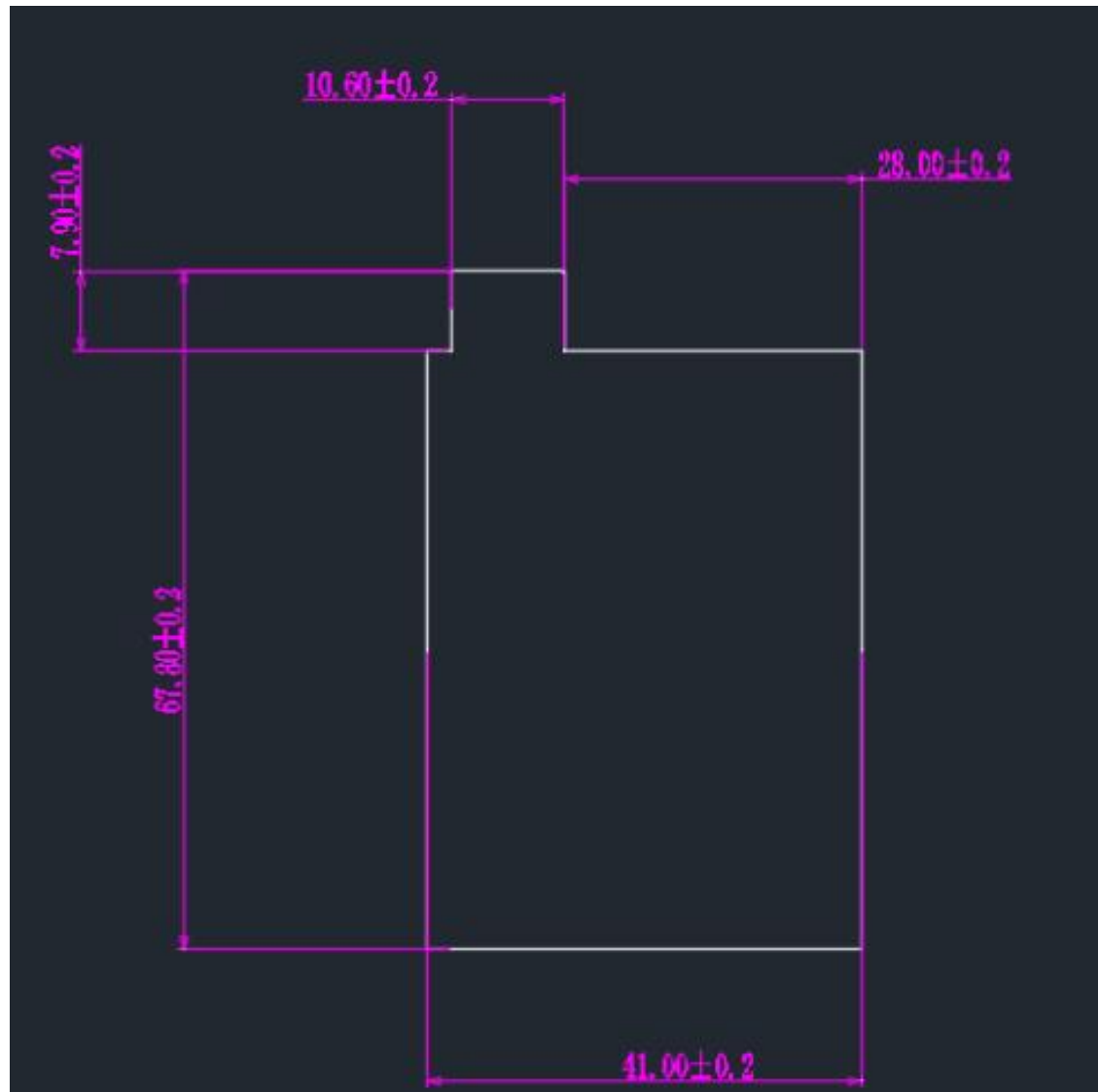
3. Environmental Disposal

导电布需延伸到壳上面铺满



喇叭和摄像头导电布取消

屏后贴一块导电布接到主板露铜区域，导电布需把屏排线盖住。



导电布外形长度

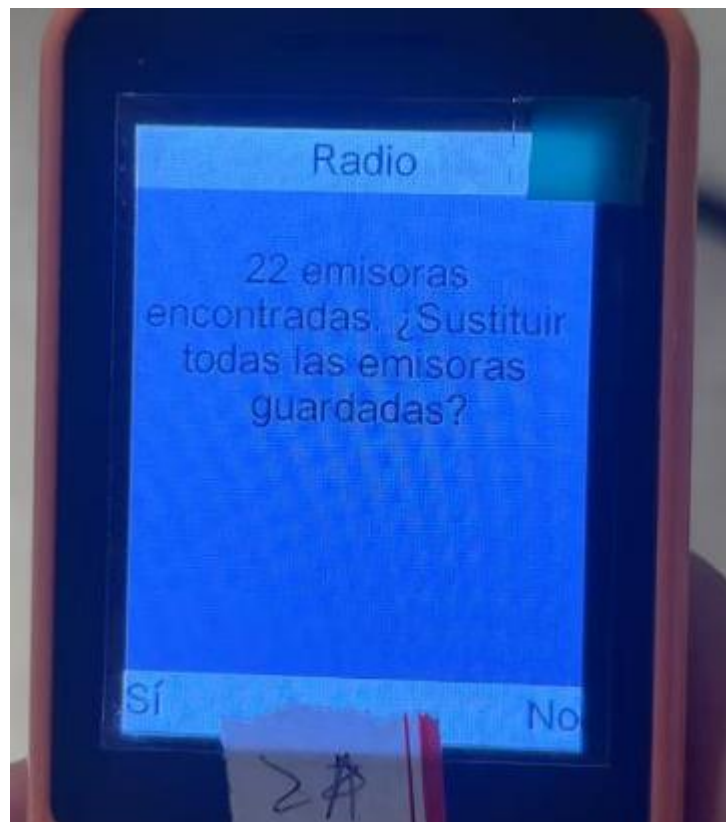
4. Test Data

新主板测试数据（软件版本为V1.0_29102024）

	TRP	TIS		TRP	TIS		TRP	TIS
GSM850	28.53	-105.43	LTE B2	17.75	-91.52	LTE B28A	17.26	-91.62
	28.53	-105.53		17.45	-91.31		17.75	-91.72
	28.73	-105.32		17.63	-91.02		18.57	-91.88
GSM900	28.79	-105.44	LTE B3	18.82	-91.62	LTE B28B	18.55	-91.82
	28.79	-105.38		17.75	-91.87		19.75	-91.98
	28.99	-105.01		18.65	-91.33		20.29	-92.64
DCS1800	25.21	-104.73	LTE B4	17.25	-91.53	LTE B66	17.19	-91.02
	25.75	-104.52		17.75	-91.72		17.15	-91.12
	26.35	-104.25		17.03	-91.39		17.03	-90.51
PCS1900	25.64	-105.02	LTE B5	20.31	-93.75			
	24.99	-105.11		20.15	-93.62			
	24.78	-104.73		20.25	-93.25			
WCDMA B2	18.26	-104.22	LTE B7	19.23	-92.02			
	18.21	-103.72		17.75	-91.72			
	18.33	-103.57		18.06	-91.55			
WCDMA B4	18.38	-104.31	LTE B8	20.26	-91.71			
	18.02	-103.62		17.75	-91.57			
	17.78	-103.35		18.53	-91.24			
WCDMA B5	19.78	-104.72	LTE B12	16.71	-91.52			
	19.53	-104.02		15.05	-91.39			
	19.72	-104.25		16.85	-91.53			
WCDMA B8	19.49	-105.13	LTE B17	14.72	-91.22			
	18.94	-104.72		16.05	-91.42			
	18.78	-104.33		16.87	-91.63			

频段	增益 (dbm)	频段	增益 (dbm)	频段	增益 (dbm)
GSM850	0.5	LTE B2	0.9	LTE B28A	-1.1
GSM900	0.5	LTE B3	0.8	LTE B28B	-1.0
DCS1800	0.8	LTE B4	0.8	LTE B66	0.7
PCS1900	0.9	LTE B5	0.5	BT	0.1
WCDMA B2	0.9	LTE B7	1.1		
WCDMA B4	0.8	LTE B8	0.5		
WCDMA B5	0.5	LTE B12	-1.0		
WCDMA B8	0.5	LTE B17	-1.2		

FM



公司窗台外面测试22个台