

Antenna Test Report

SHENZHEN KURUIJIE

Customer: 联合天通

Project: KB240R

RF Engineer: 宋祖义

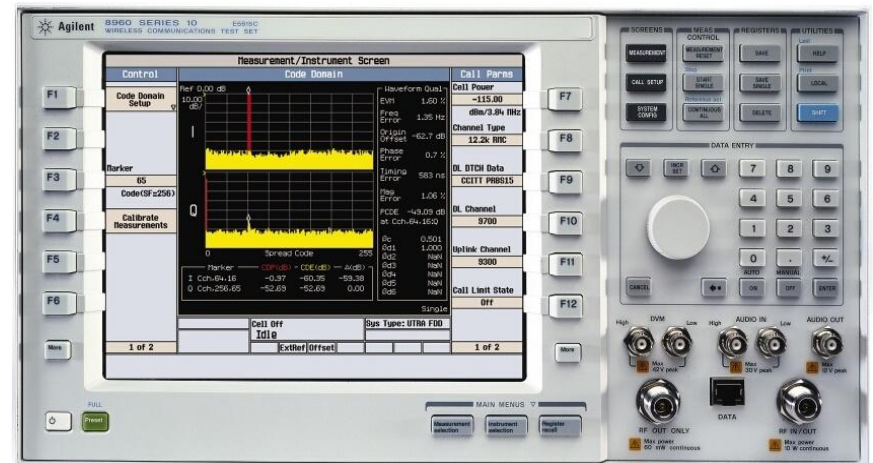
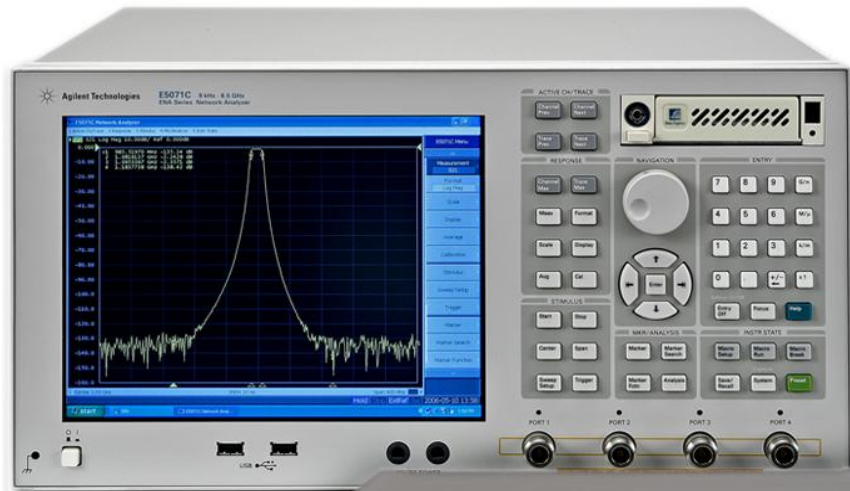
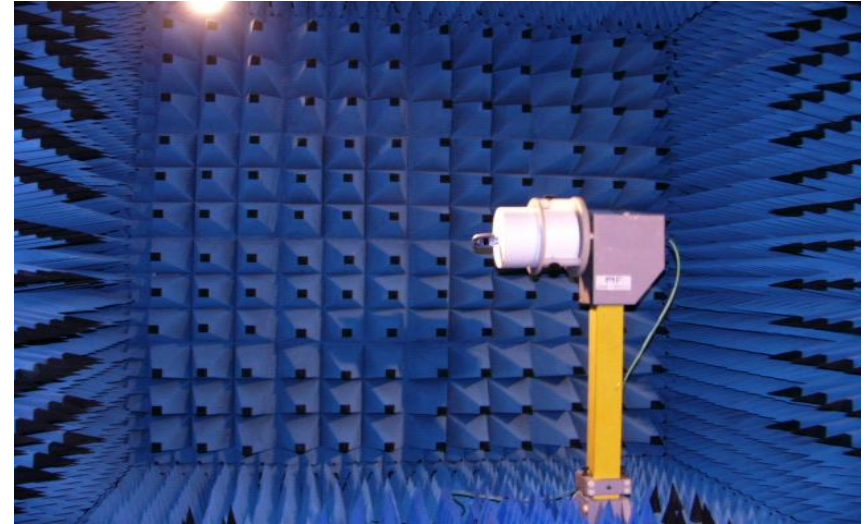
Testing Date: 2024.10.30

Index:

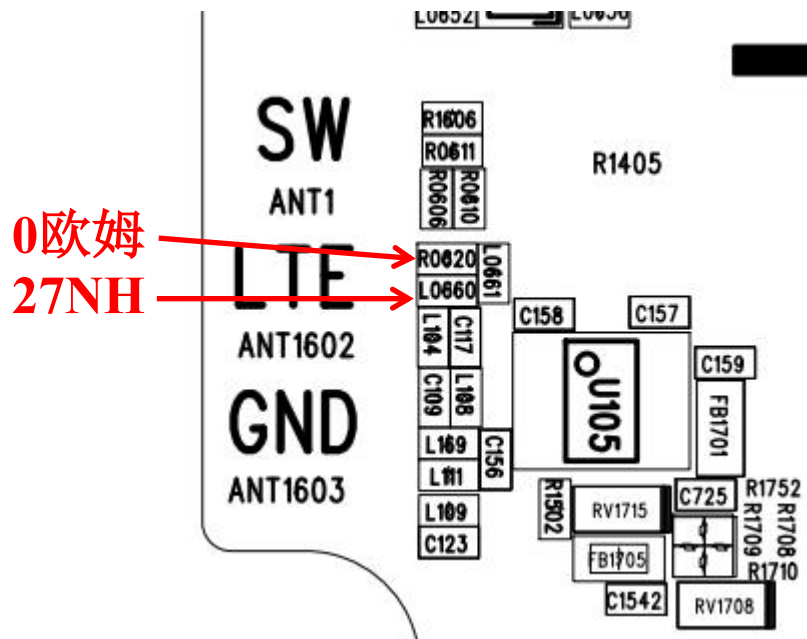
- 1. Testing Item & Equipments**
- 2. Matching Circuits**
- 3. Environmental Disposal**
- 4. Test Data**

1. The Equipment of Active Test

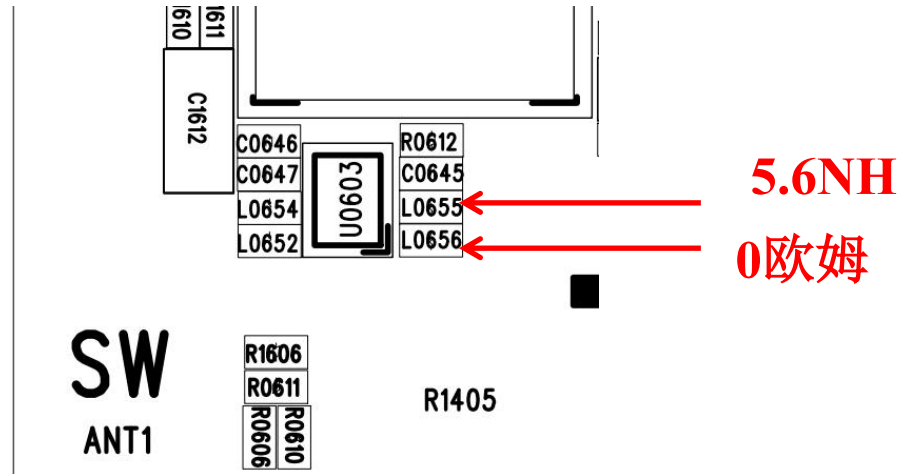
- 1: Anechoic Chamber 7x4x3 m (3D)
- 2: Rohde & Schwarz CMW500
- 3: AGILENT 8960 5515C
- 4: Network Analyzer-AGILENT ENA5071B



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



屏后贴一块导电布接到主板露铜区域。



喇叭摄像头接地处贴导电布接地

4. Test Data

	TRP	TIS		TRP	TIS			TRP	TIS	
GSM850	28.02		LTE B2	17.25		LTE B28A		16.26		
	28.75	-104.52		17.63	-90.25			16.77	-90.53	
GSM900	28.53		LTE B3	17.12		LTE B28B		17.25		
	28.25	-104.25		17.65	-91.25			17.89	-90.26	
DCS1800	24.05		LTE B4	17.05		LTE B66		16.89		
	24.73	-104.14		17.53	-91.25			17.53	-90.51	
PCS1900	24.15		LTE B5	19.13						
	24.45	-102.72		19.03	-92.01					
WCDMA B2	17.23		LTE B7	18.03						
	17.44	-103.33		18.06	-90.25					
WCDMA B4	17.26		LTE B8	19.25						
	17.77	-103.53		18.53	-90.74					
WCDMA B5	19.15		LTE B12	16.61						
	19.23	-104.59		17.13	-90.53					
WCDMA B8	19.53		LTE B17	16.65						
	18.57	-103.58		17.67	-88.53					

频段	增益 (dbm)	频段	增益 (dbm)	频段	增益 (dbm)
GSM850	0.4	LTE B2	0.8	LTE B12	-1.1
GSM900	0.5	LTE B4	0.7	LTE B17	-1.1
DCS1800	0.7	LTE B5	0.4	LTE B66	-1.1
PCS1900	0.8	LTE B7	0.5	BT	0.1
WCDMA B2	0.8	LTE B8	0.5		
WCDMA B4	0.7	LTE B28A	-1.0		
WCDMA B5	0.4	LTE B28B	-1.1		

Shenzhen Kuruijie Communication Technologies Co.,Ltd



FM: 公司窗台13个台