

Antenna Test Report

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Customer:

Project:KF240

RF Engineer:邹修依

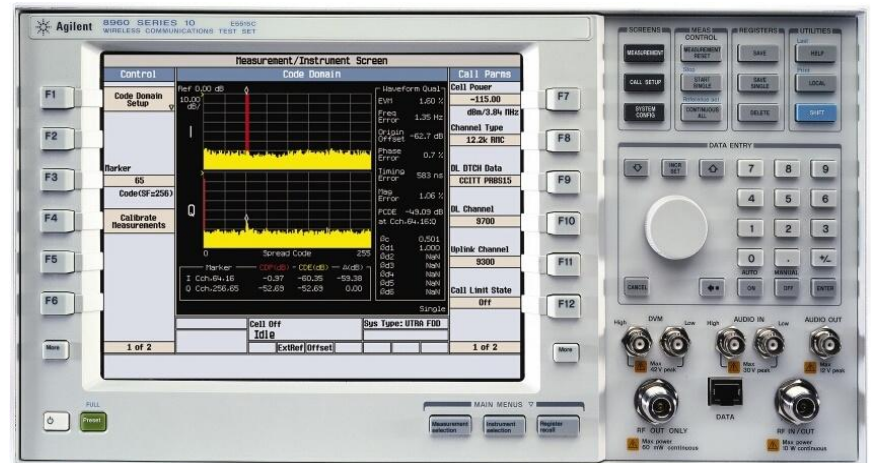
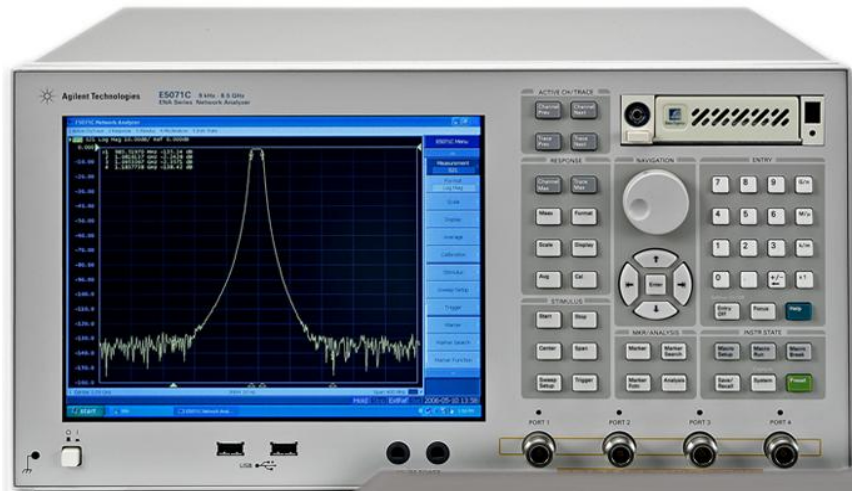
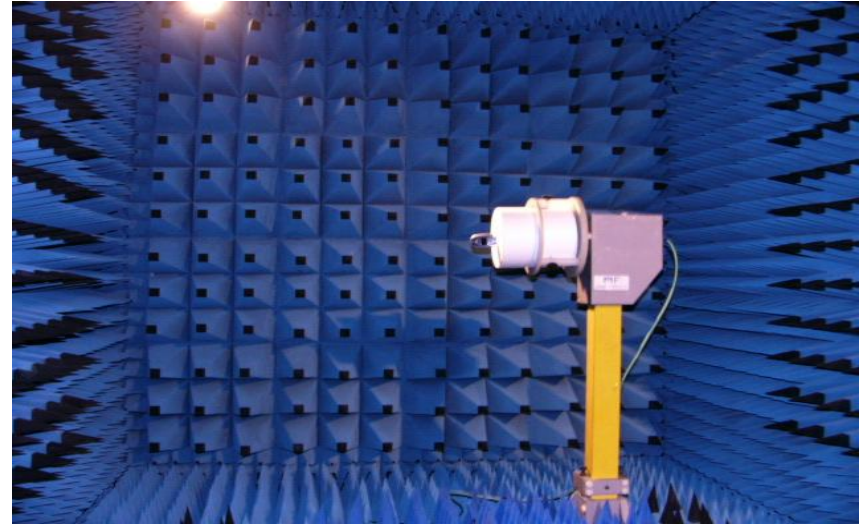
Testing Date:2024.12.17

Index:

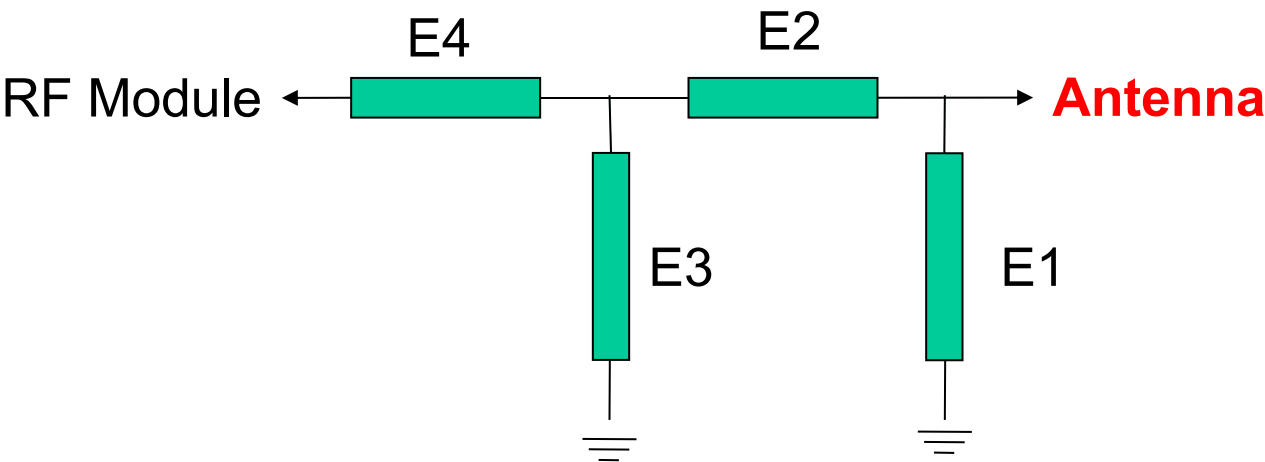
- 1. Testing Item & Equipments**
- 2. Matching Circuits**
- 3. Environmental Disposal**
- 4. Test Data**

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



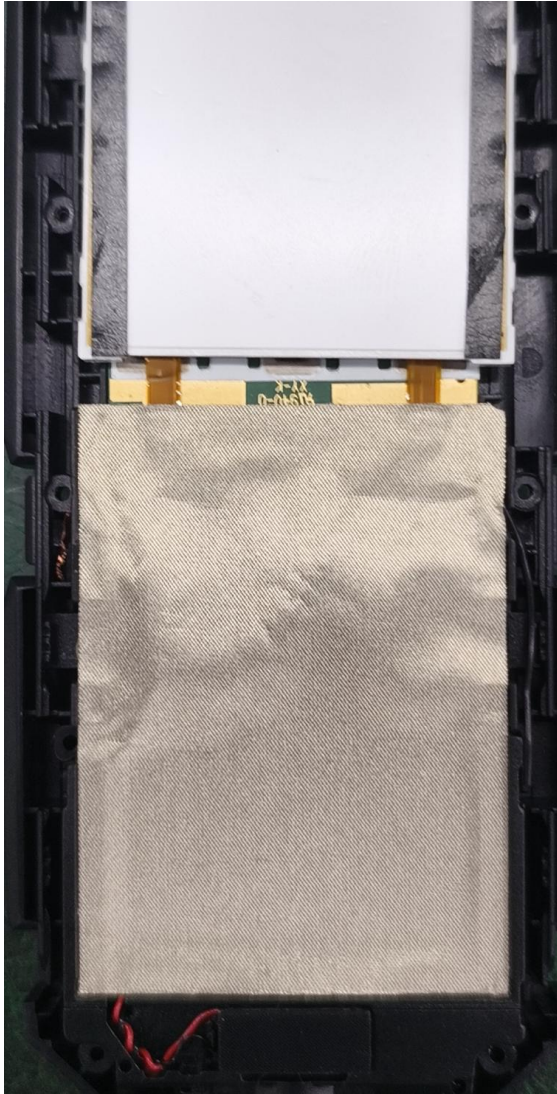
Element	Value
E1(0201)	
E2(0201)	
E3(0201)	
E4(0201)	

原匹配电路没有修改

3.Switching Logic

原开关逻辑没有修改

4. Environmental Disposal



主板贴导电布做延长地

5.Test Data

Test Result	LTE2		LTE3		LTE4		LTE7	
	18650	19150	19250	19900	20000	20350	20800	21400
TRP	18.24	18.45	17.82	18.67	17.34	18.52	17.78	16.36
TIS		-92.54		-91.95		-92.58		-88.44
Test Result	LTE8		LTE28					
	21500	21750	27260	27610				
TRP	18.89	18.52	17.5	18.68				
TIS		-93.84		-92.85				
Test Result	WCDMA_II		WCDMA_V		WCDMA_VIII			
	9262	9538	4132	4233	2712	2863		
TRP	18.5	18.24	18.36	18.17	18.68	18.24		
TIS		-104.43		-103.76		-104.2		
Test Result	GSM850		EGSM		DCS		PCS	
	128	251	1	124	512	885	512	810
TRP	28.07	28.69	28.12	27.96	24.14	25.55	25.54	25.39
TIS		-104.03		-103.21		-105.88		-104.71

KF240天线增益 (Antenna Gain)		
Band	频率段	增益值 (dBi)
LTE-B2	1850-1990MHZ	0.5
LTE-B3	1710-1880MHZ	0.5
LTE-B4	1710-2170MHZ	0.5
LTE-B7	2500-2690MHZ	0.3
LTE-B8	880-960MHZ	-0.2
LTE-B28	703-803MHZ	-1.0
WCDMA-B2	1850-1990MHZ	0.5
WCDMA-B5	824-894MHZ	-0.2
WCDMA-B8	880-960MHZ	-0.2
GSM850	824-894MHZ	-0.2
EGSM900	880-960MHZ	-0.2
DCS1800	1710-1880MHZ	0.5
PCS1900	1850-1990MHZ	0.5
BT	2400-2500MHZ	0.1

FM搜台19个

