

Antenna Test Report

SHENZHEN KURUIJIE

Customer:pinxin
Project: KT2425J

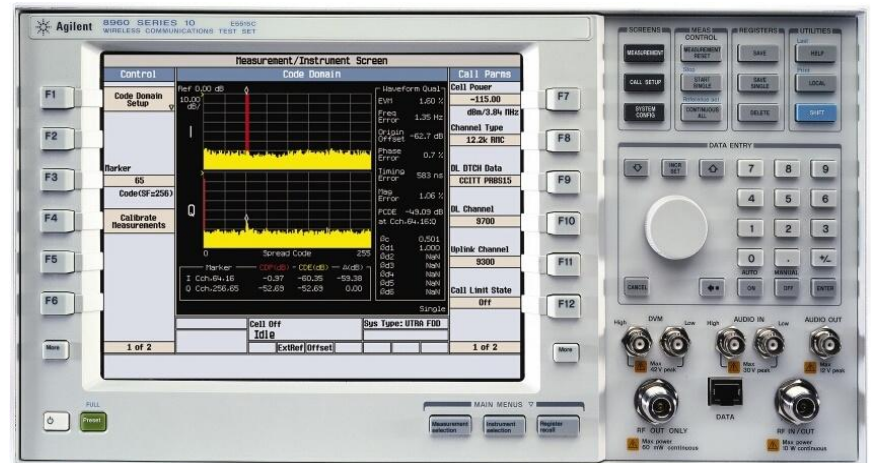
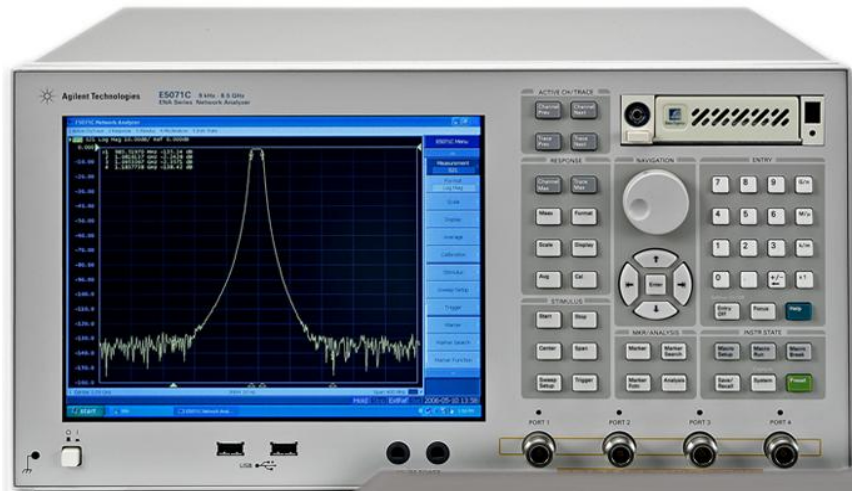
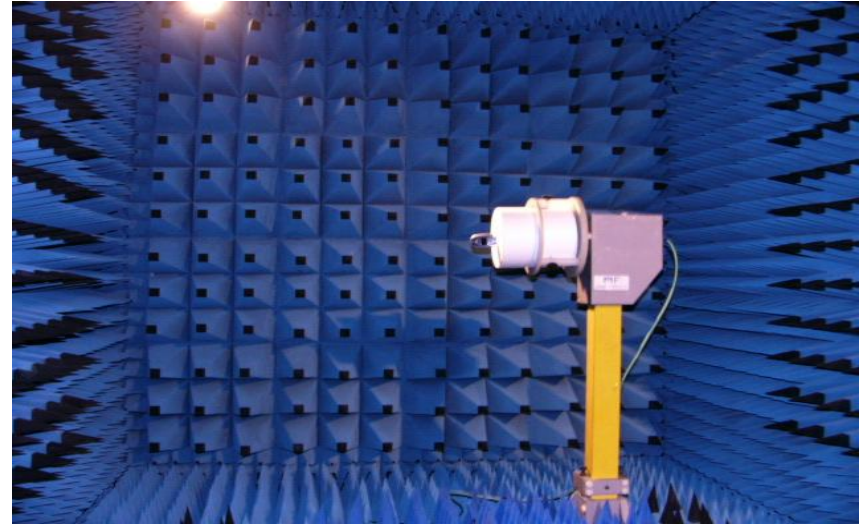
RF Engineer:AN
Testing Date:2024.08.14

Index:

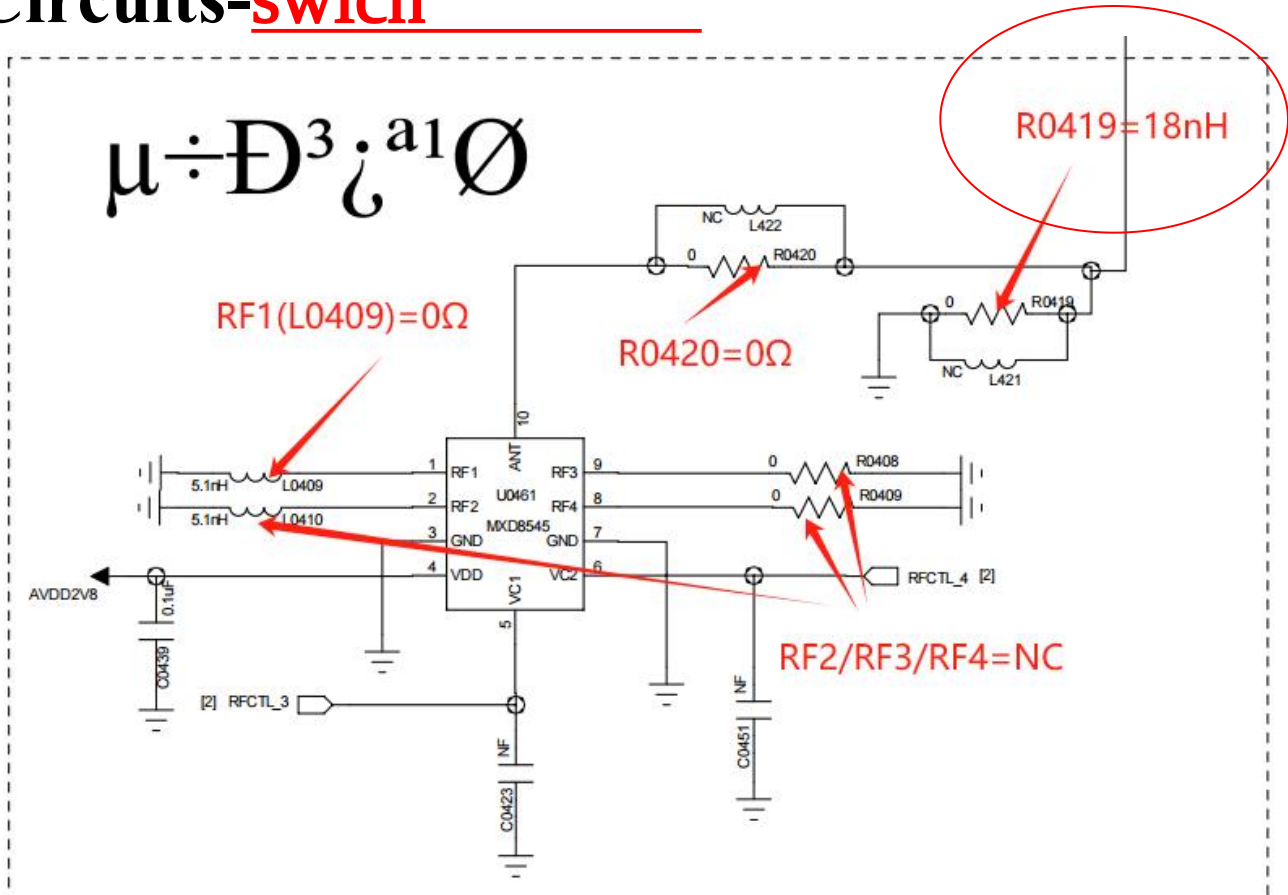
- 1. Testing Item & Equipments**
- 2. Matching Circuits**
- 3. Environmental Disposal**
- 4. Test Data**

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

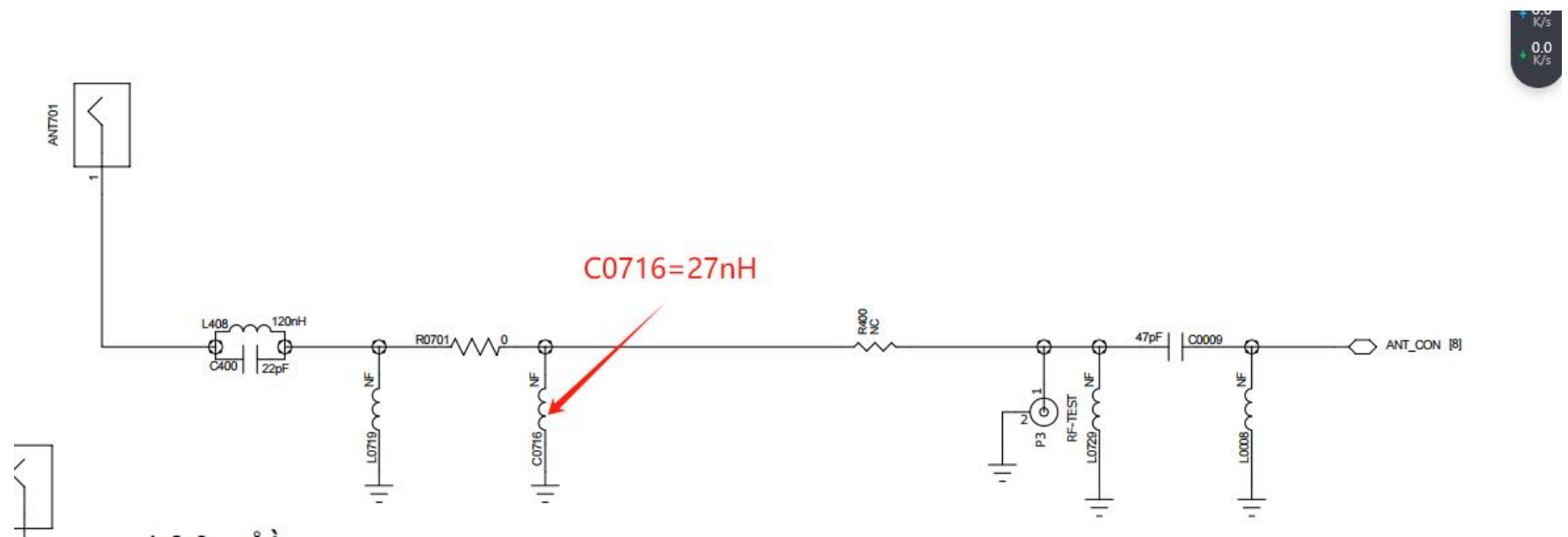


2. Matching Circuits-switch

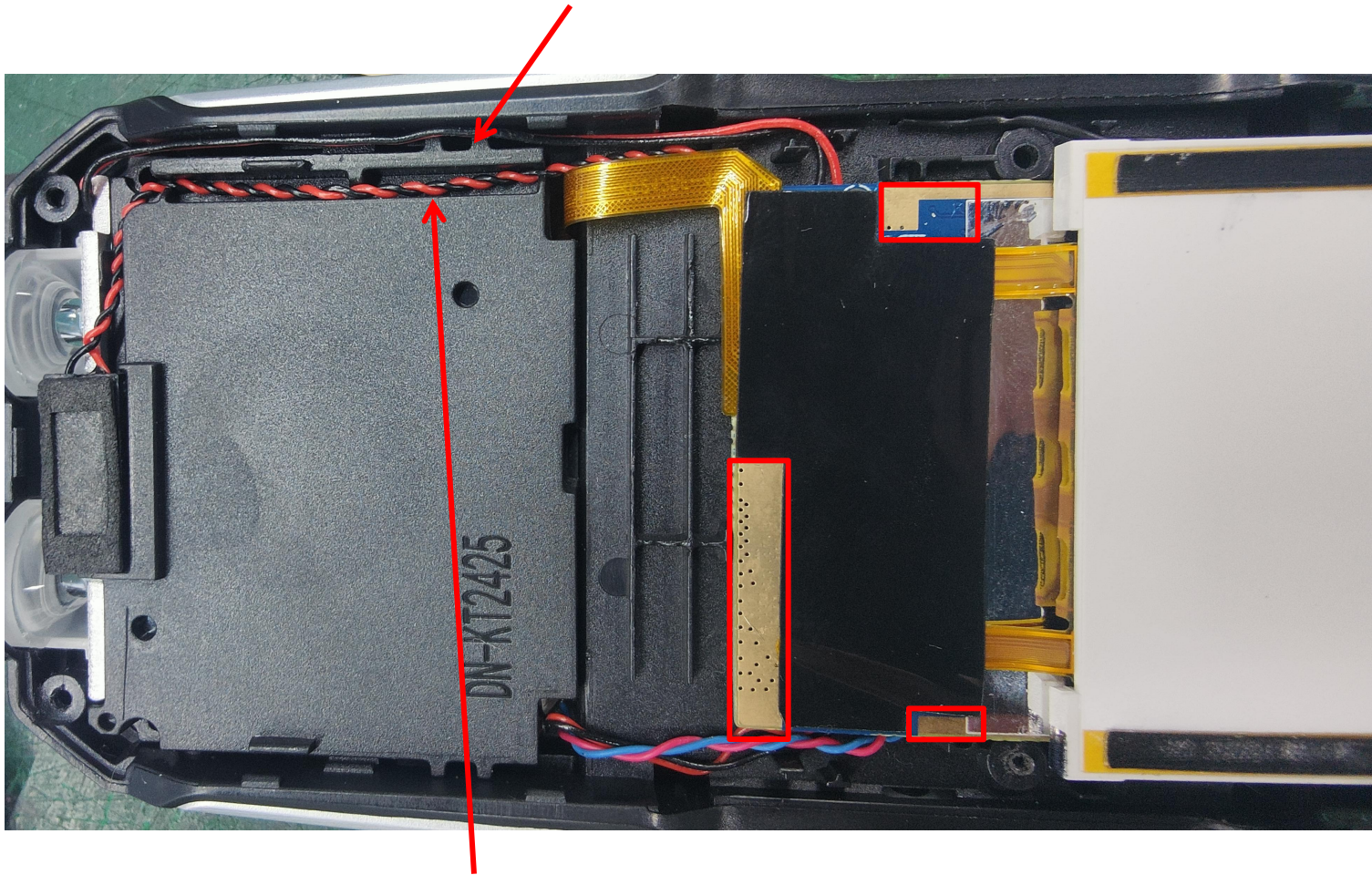


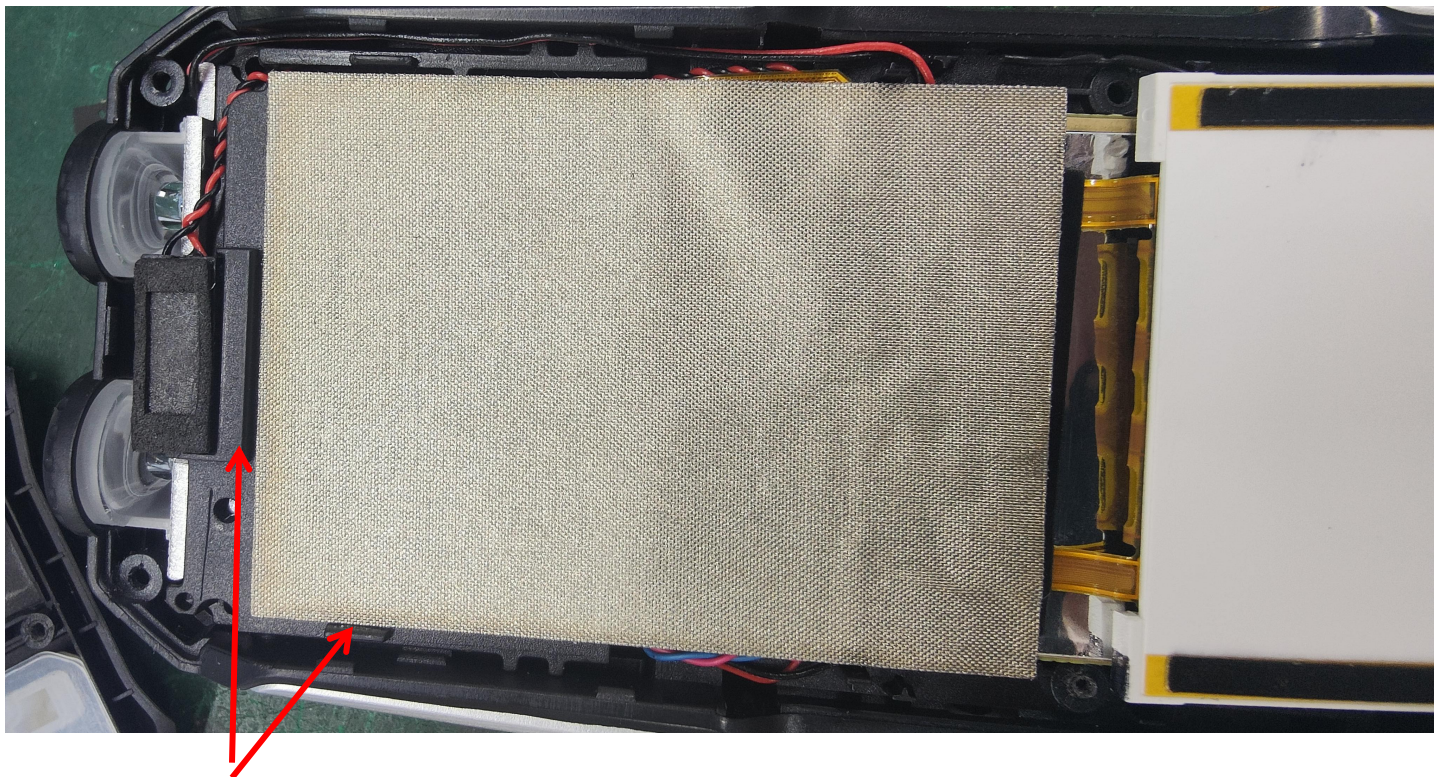
			2G(GSM)	3G(WCDMA)	4G(LTE)
RF1		0欧姆	850/900/1800/1900	W2/4/5/8	B2/4/5/7
RF2		NC			B28AB
RF3		NC			
RF4		NC			

3. Matching Circuits-MAIN



4. Environmental Disposal



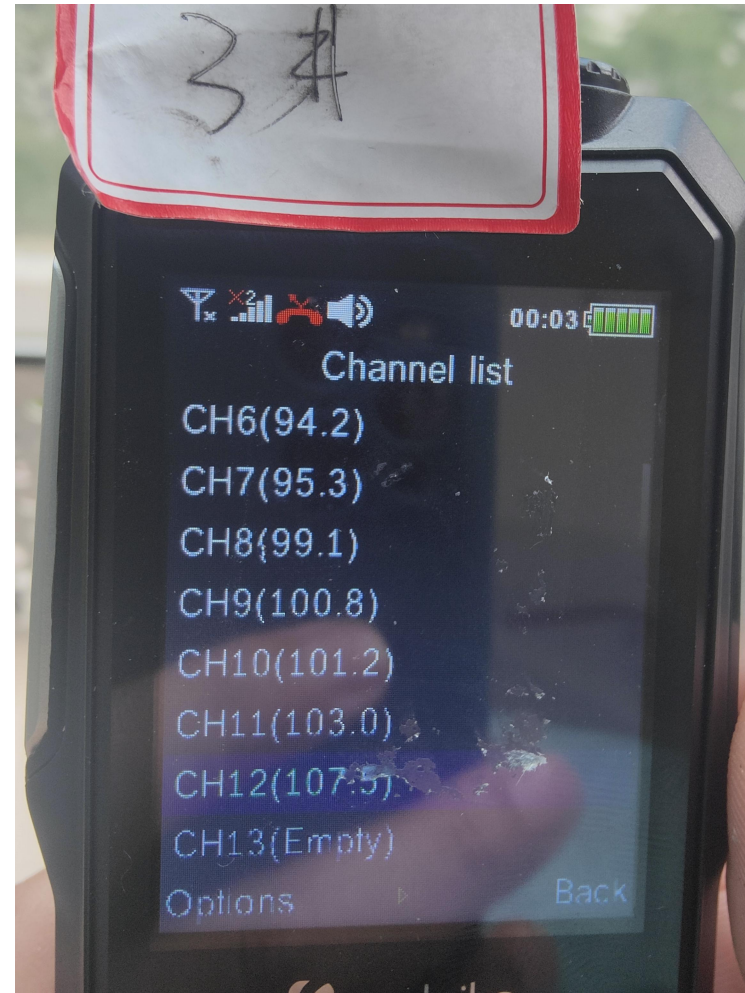


5. Test Data

	GSM850TRP			EGSMTRP						PCSTRP		
Result	128	190	251	1	62	124				512	661	810
TRPAve (dBm)	27.5	27.9	28.72	29.2	28.3	27.8				25.3	25.0	242
TISave (dBm)			-104.1			-102.2						-104.5
	WCDMA_ITRP			WCDMA_IITRP			WCDMA_IVTRP			WCDMA_VTRP		
Result	10562	10700	10838	9262	9445	9538	1312	1400	1513	4132	4182	4233
TRPAve (dBm)	18.5	178.3	18.0	18.7	18.5	18.3	18.8	18.9	19.3	19.1	18.8	18.7
TISave (dBm)			-104.2			-105.2			-104.0			-103.8
Test	LTE2TRP			LTE4TRP			LTE5TRP			LTE7TRP		
Result	18650	18900	19150	20000	20175	20350	20450	20525	20600	20800	21100	21400
TRPAve (dBm)	18.2	18.0	17.5	18.4	18.7	19.2	19.3	19.0	19.1	18.0	17.6	17.0
TISave (dBm)			-91.3			-90.1			-90.9			-90.6
Test	LTE28TRP											
Result	27260	27460	27610									
TRPAve (dBm)	15.7	17.2	18.0									
TISave (dBm)			-92.1									



left hands



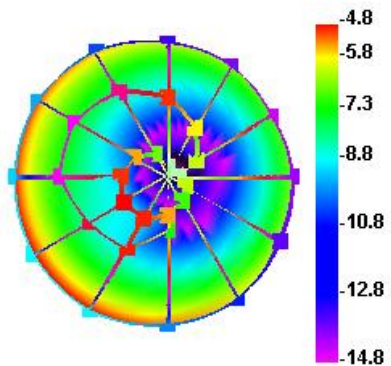
right hands

6. Antena Gain in dbi

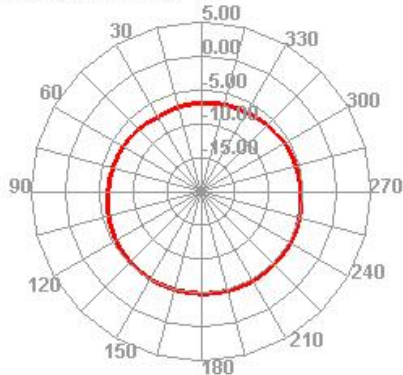
	Band	Frequency (MHZ)	pattern	Max Gain (Dbi)
RF antenna	GSM850	824-894	IFIA	0.1
	GSM900	880-960		0.1
	DCS1800	1850-1990		0.4
	PCS1900	1850-1990		0.6
	W2100	1920-2170		0.6
	W1900	1850-1990		0.6
	W1700	1710-2155		0.4
	W850	824-894		0.1
	LTE-B2	1850-1990		0.6
	LTE-B4	1710-2155		0.4
	LTE-B5	824-894		0.1
	LTE-B7	2500-2690		0.8
	LTE-B8	880-960		0.1
	LTE-B28	703-803		-0.8
BT antenna	BT	2400-2500	monopole	0.2
FM antenna	EZFM	880-960		-0.1

Apple diagram of main antenna

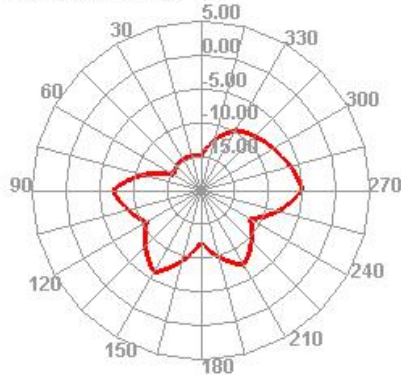
730.000MHz



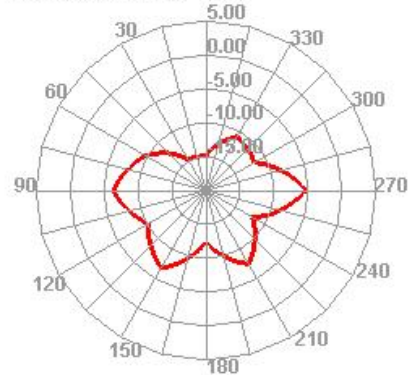
730.000MHz H



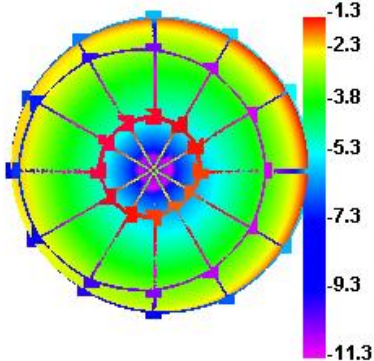
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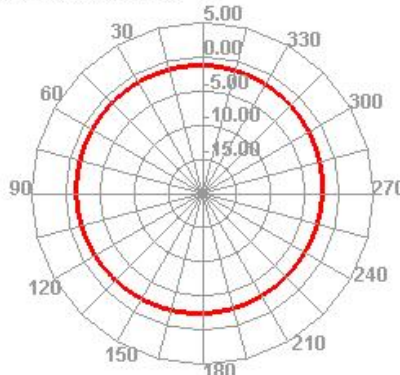
730.000MHz E2



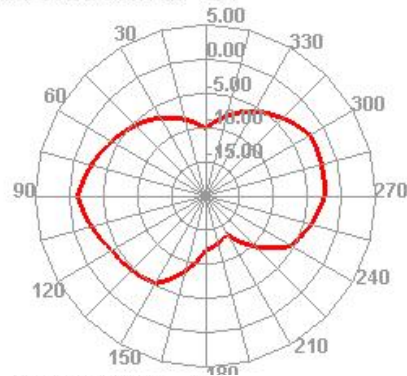
850.000MHz



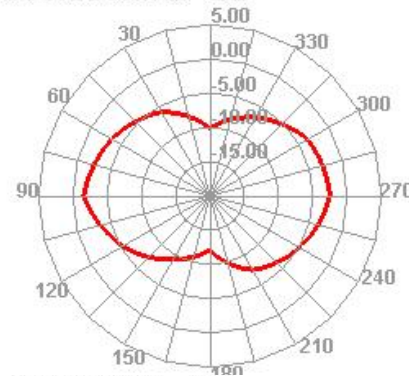
850.000MHz H



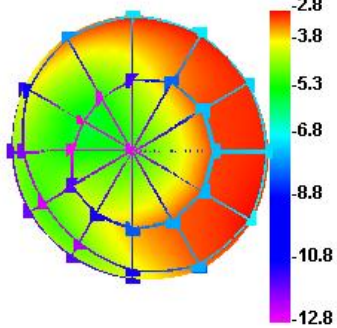
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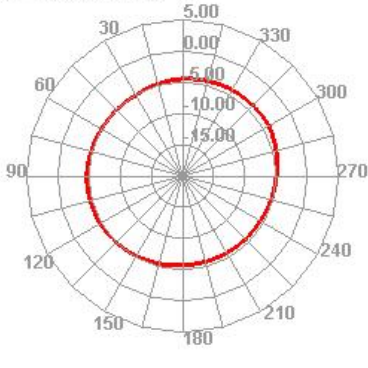
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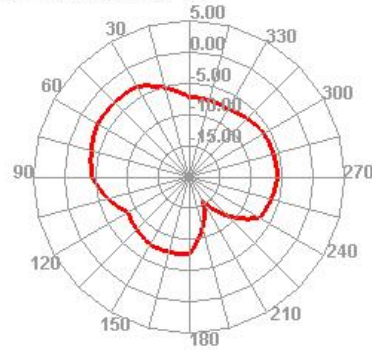
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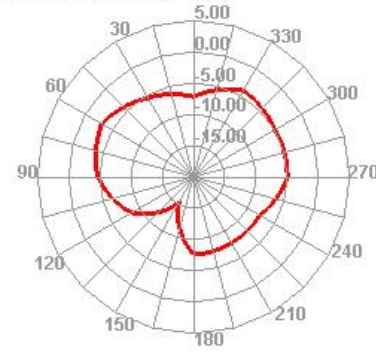
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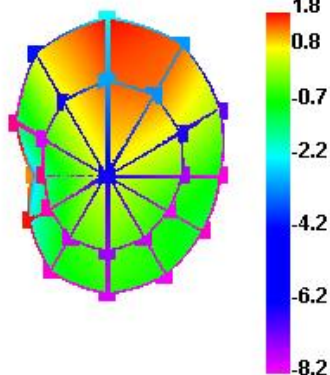
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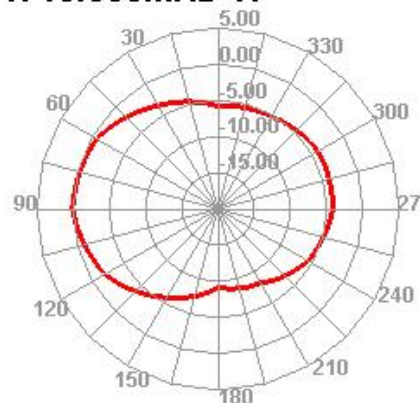
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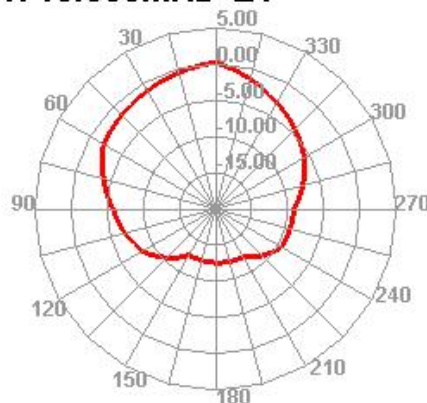
1710.000MHz



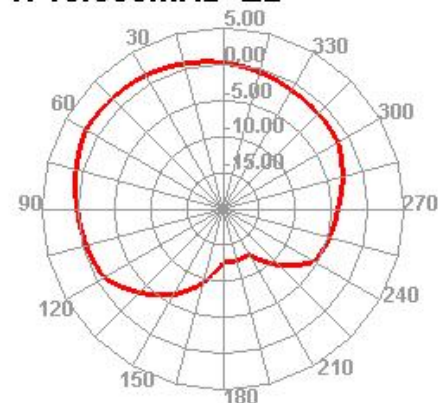
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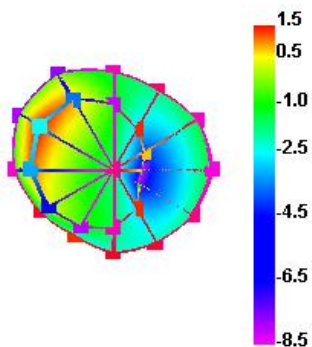
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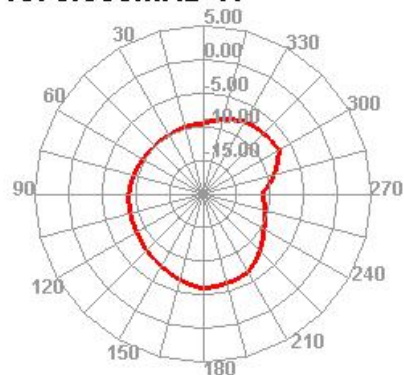
1710.000MHz E2



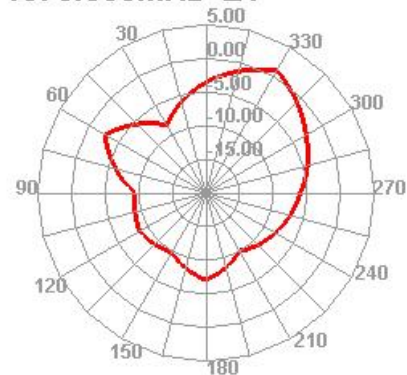
1870.000MHz



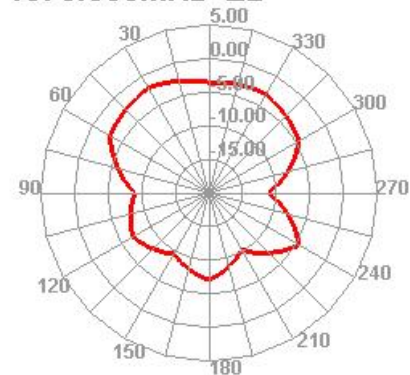
1870.000MHz H



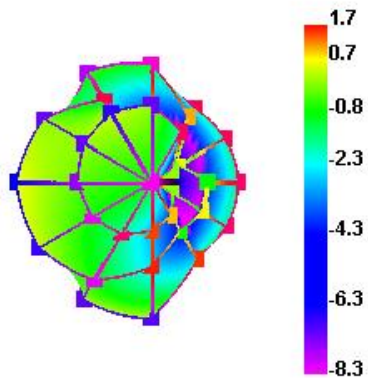
1870.000MHz E1



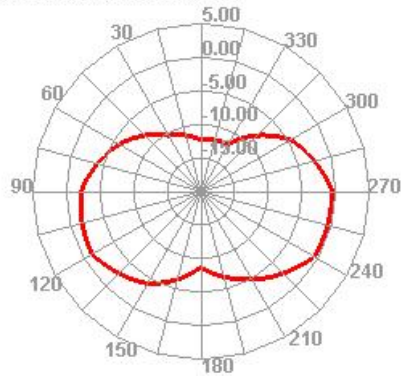
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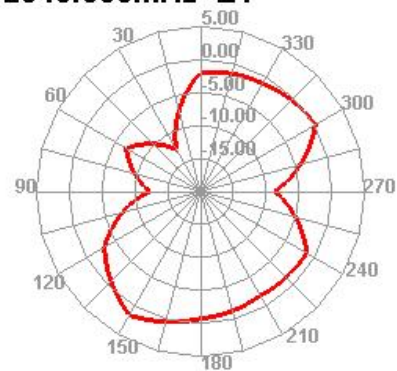
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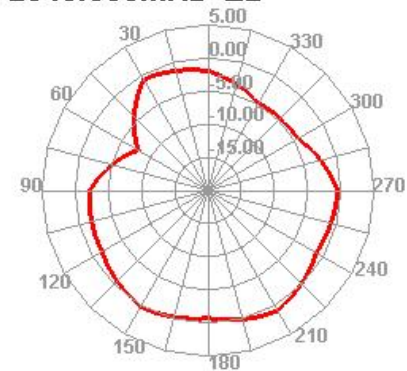
2040.000MHz H



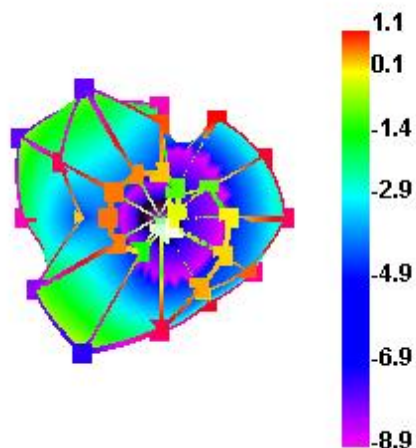
2040.000MHz E1



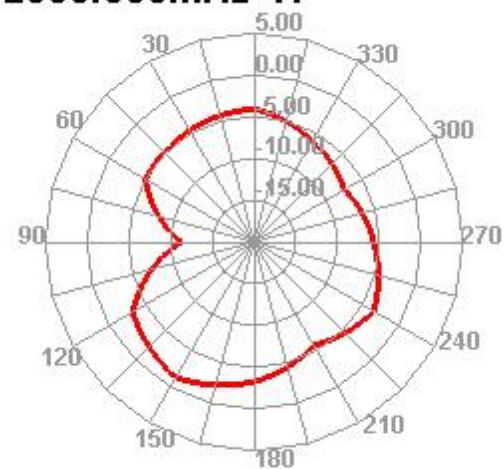
2040.000MHz E2



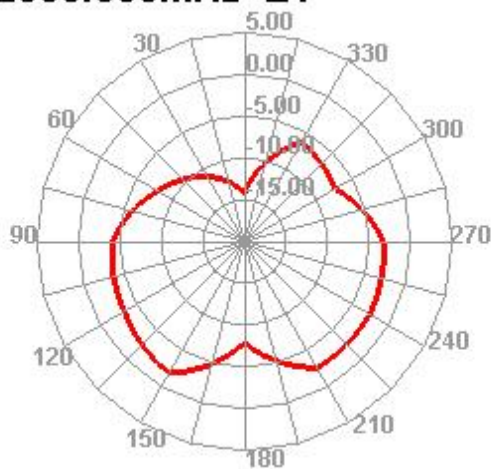
2550.000MHz



2550.000MHz H



2550.000MHz E1



2550.000MHz E2

