

Antenna Test Report

SHENZHEN KURUIJIE

Customer: 忆博通
Project: S109 B3

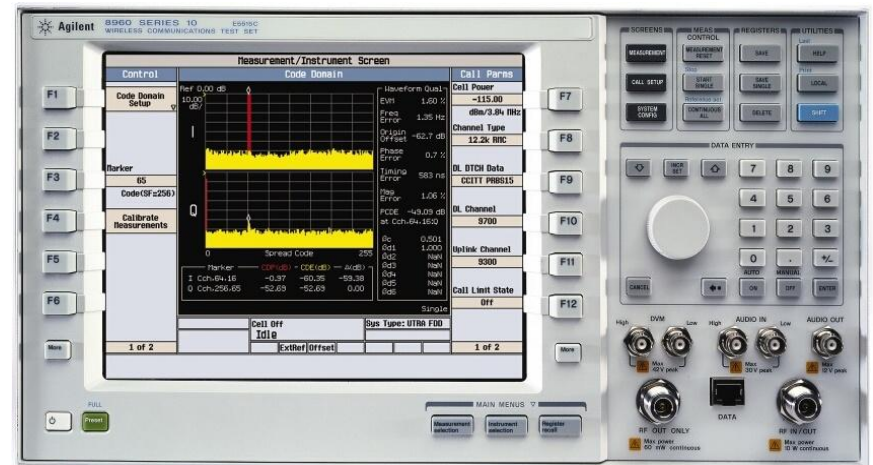
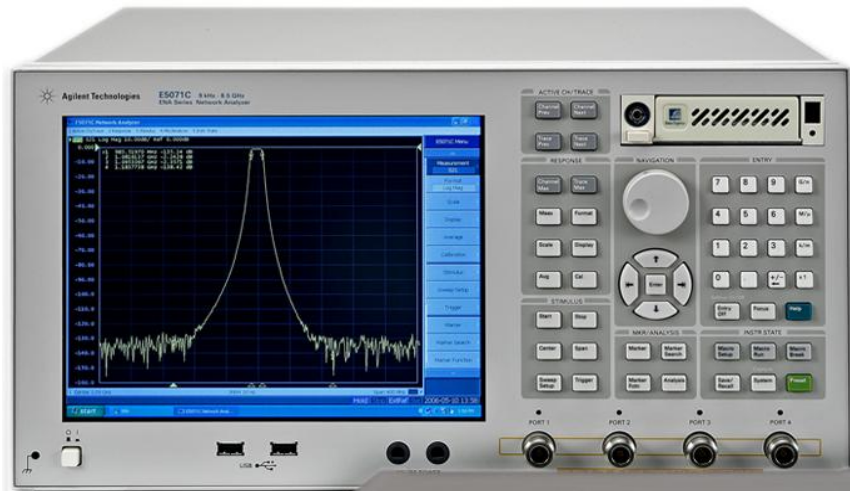
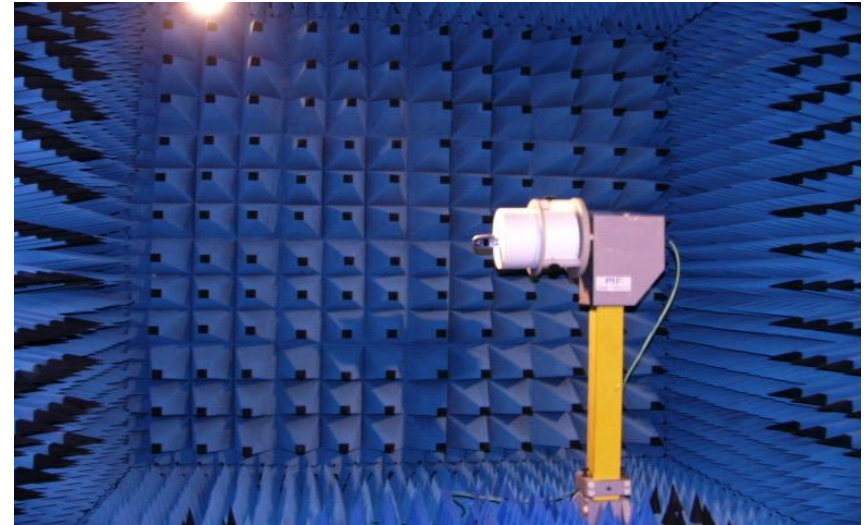
RF Engineer: 邹修依
Testing Date: 2025.1.14

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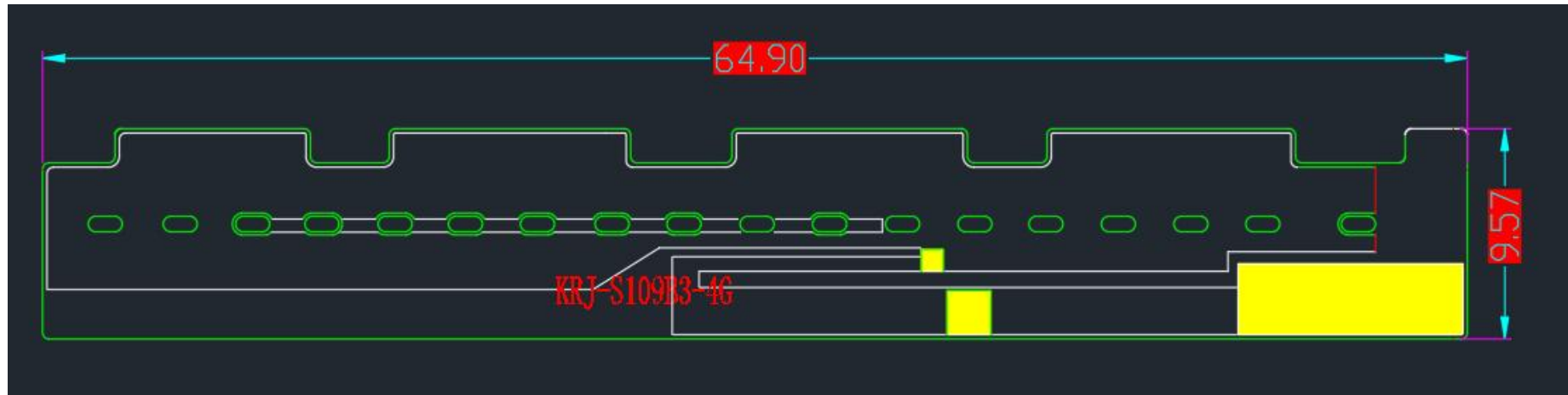
- 1. Testing Item & Equipments**
- 2. Matching Circuits**
- 3. Antenna Conditions**
- 4. Test Data**
- 5. GPS / WIFI / BT Test**
- 6. Passive data Main antenna**
- 7. Passive data GPS / WIFI / BT**
- 8.drawing sheet**

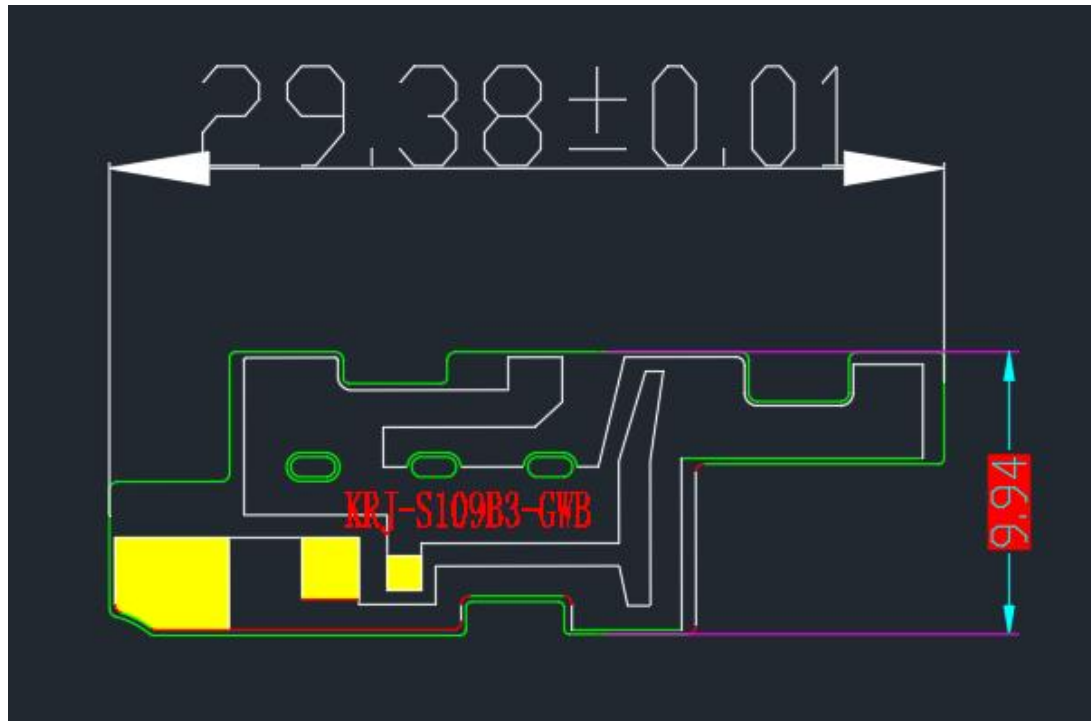
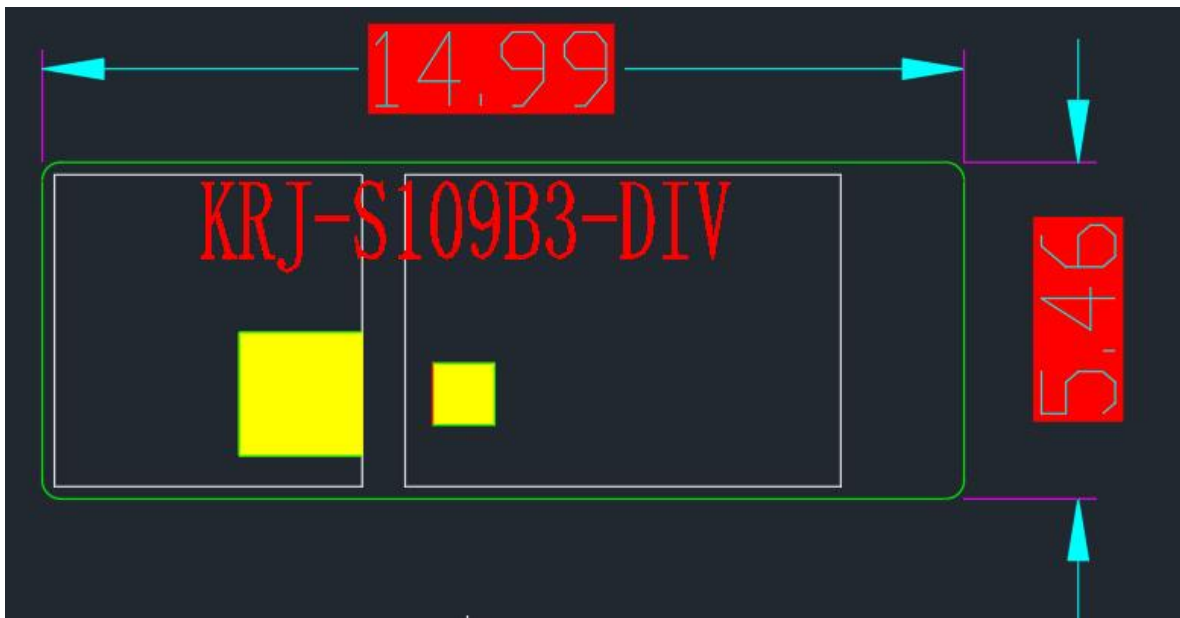
1. The Equipment of Active Test

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

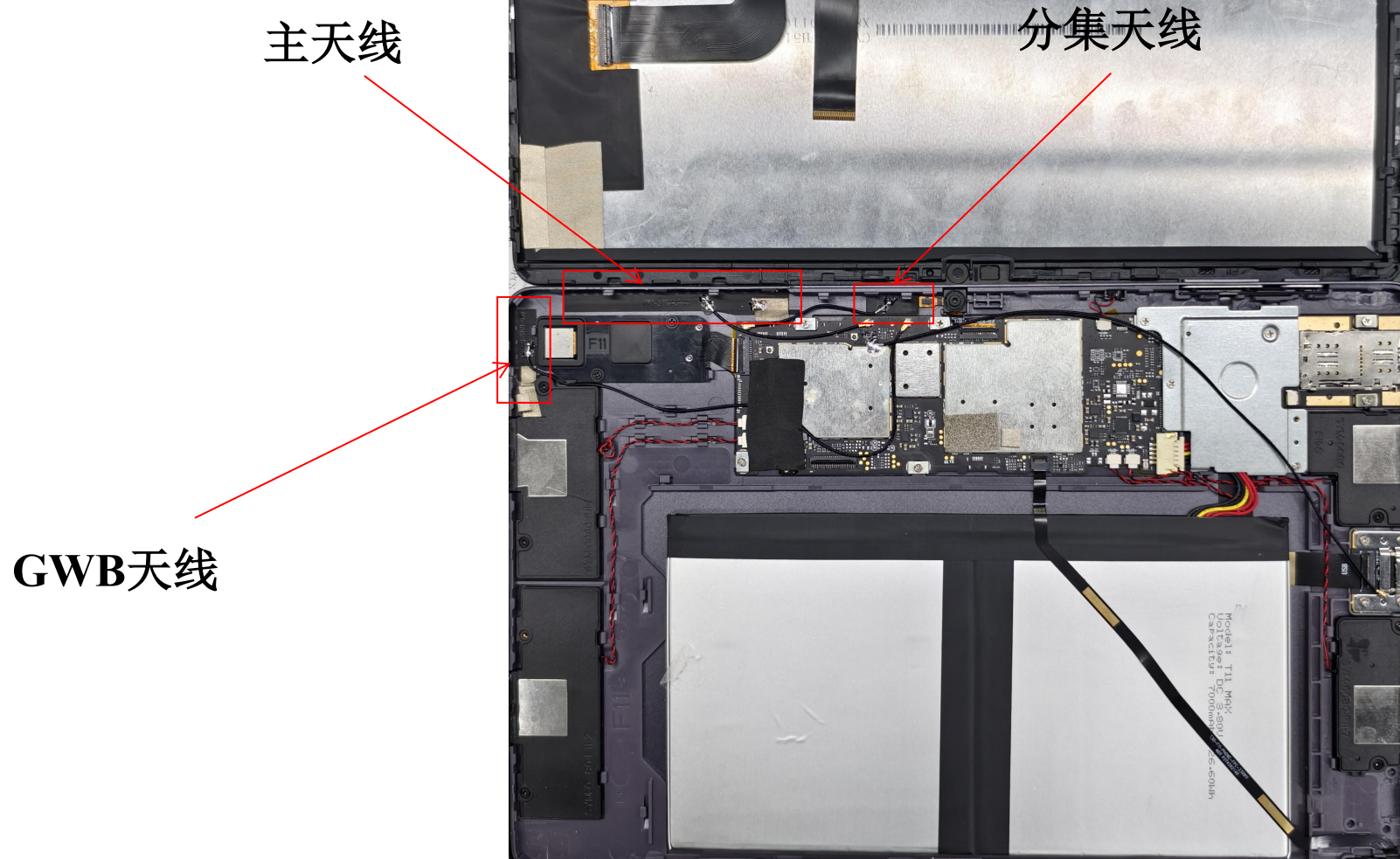


2. Antenna size diagram





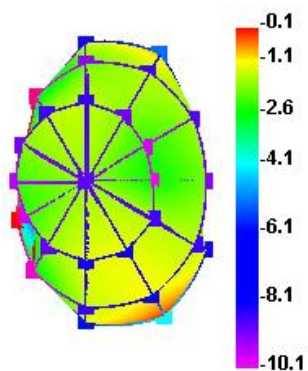
3. Matching circuit



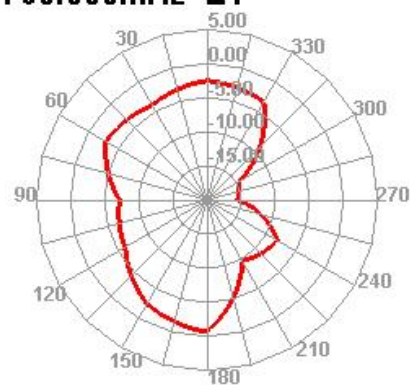
4. Antenna gain/Apple figure

S109B3 antenna info.			
RF antenna	Band	Frequency (MHZ)	Max Gain (Dbi)
	GSM850	824-894	-0.2
	EGSM900	880-960	-0.3
	DCS1800	1710-1880	1.0
	PCS1900	1850-1990	1.0
	WCDMA-B1	1920-2170	0.8
	WCDMA-B2	1850-1990	0.8
	WCDMA-B5	824-894	-0.2
	LTE-B2	1850-1990	0.8
	LTE-B4	1710-2155	0.8
	LTE-B5	824-894	-0.2
	LTE-B7	2500-2690	1.0
	LTE-B13	746-787	-0.7
	LTE-B28	703-803	-0.8
	LTE-B66	1710-2200	1.0
GPS/wifi/BT	wifi2.4/BT	2400-2500MHZ	0.7
	wifi5.8	5150-5850MHZ	0.8
	GPS	1575MHZ	0.5

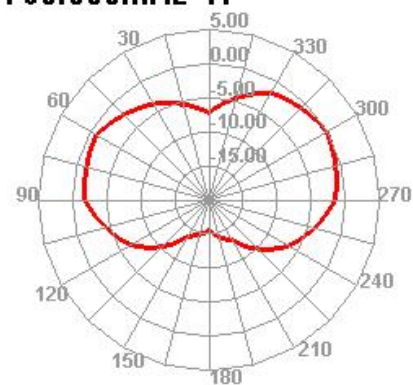
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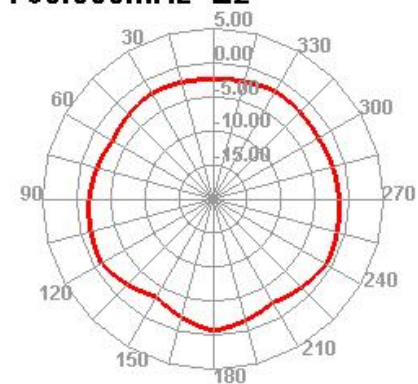
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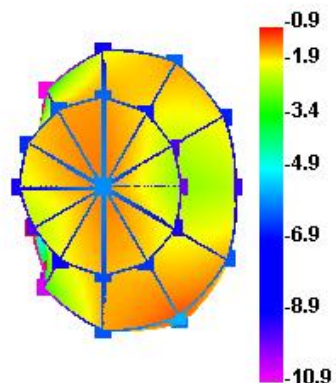
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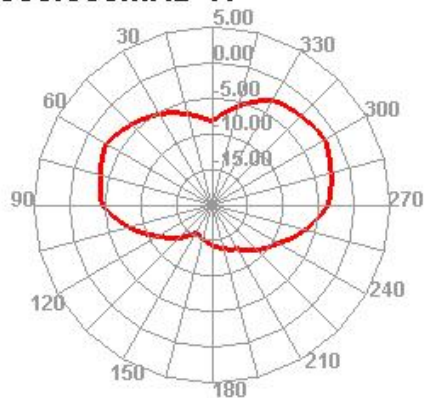
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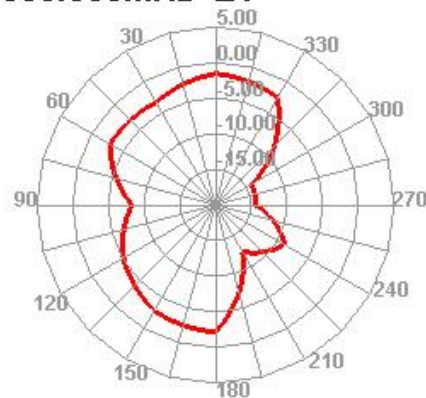
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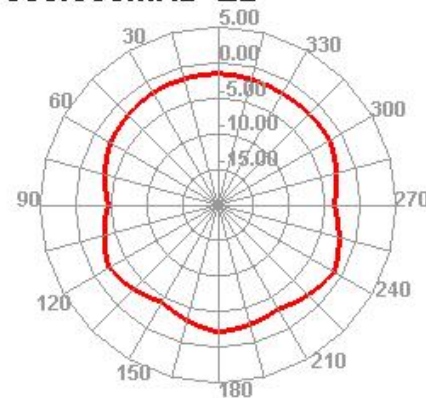
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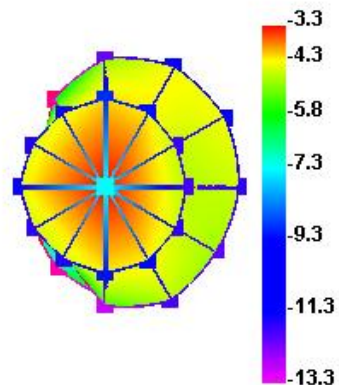
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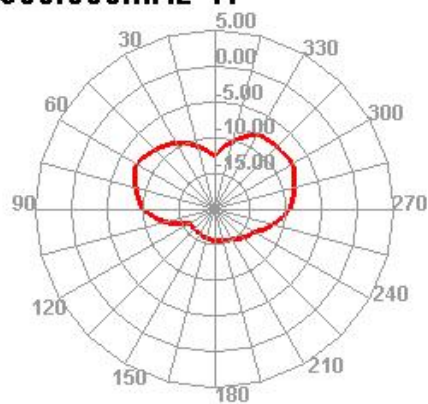
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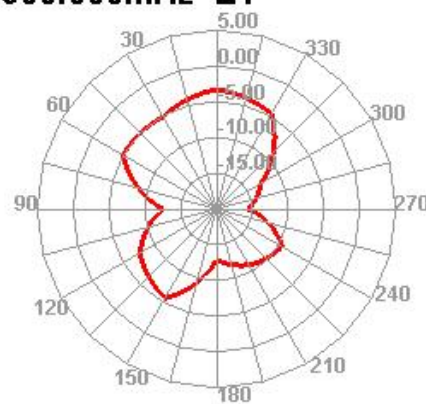
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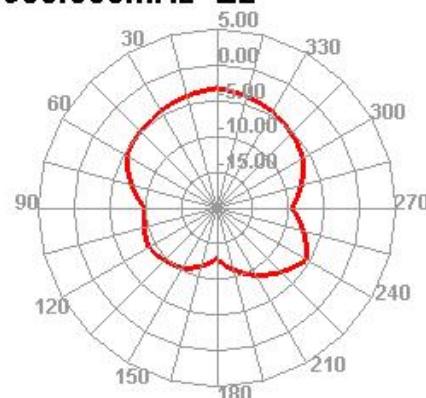
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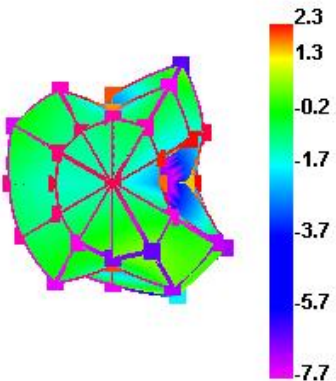
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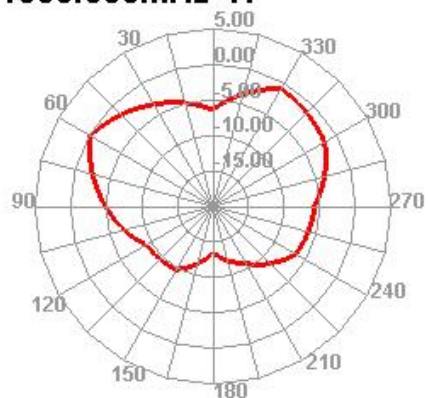
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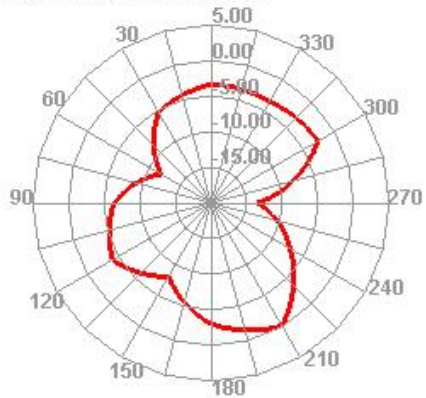
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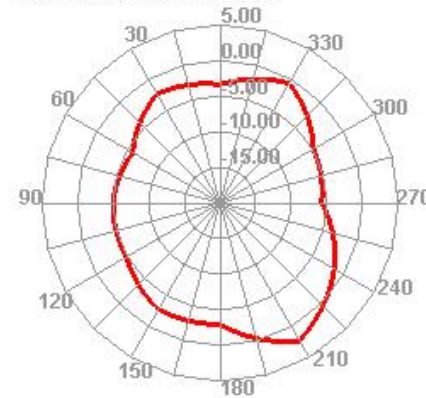
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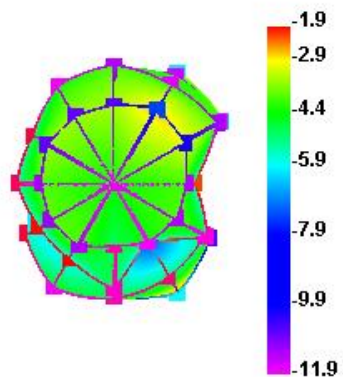
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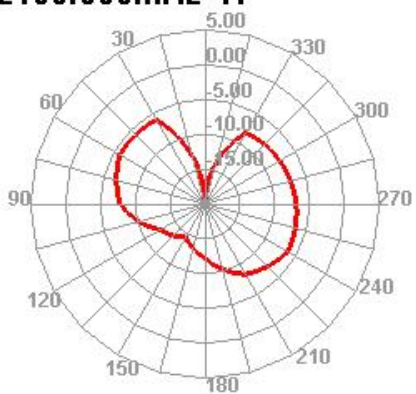
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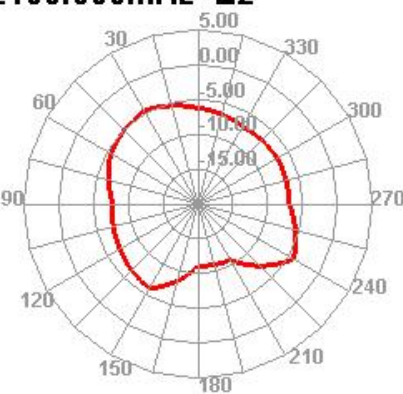
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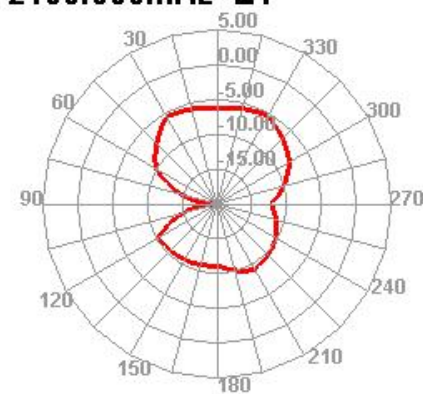
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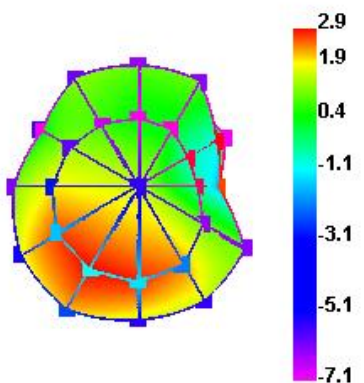
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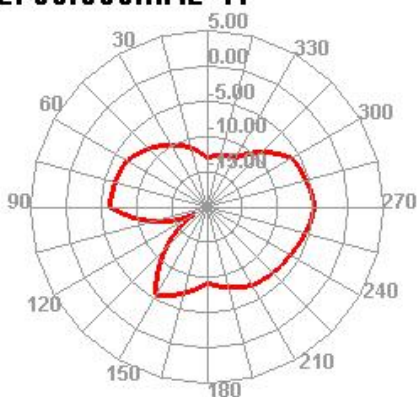
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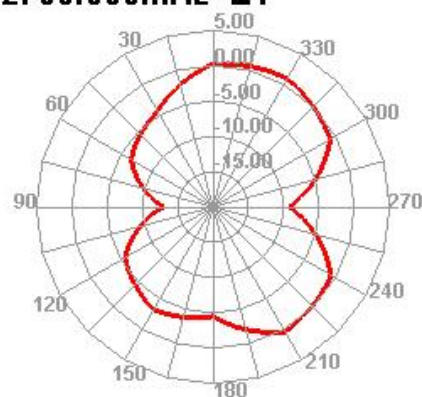
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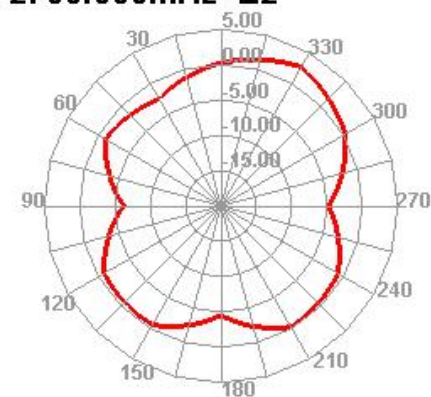
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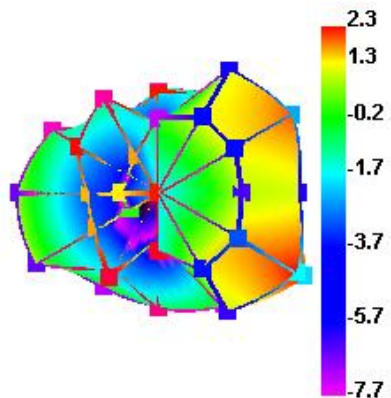
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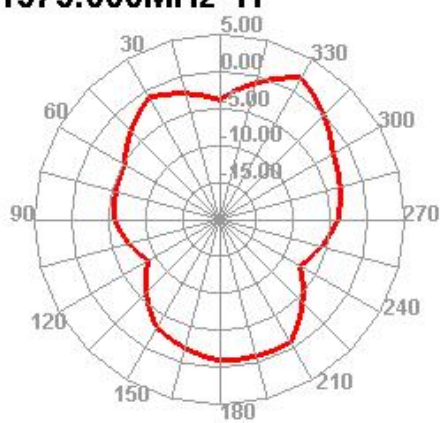
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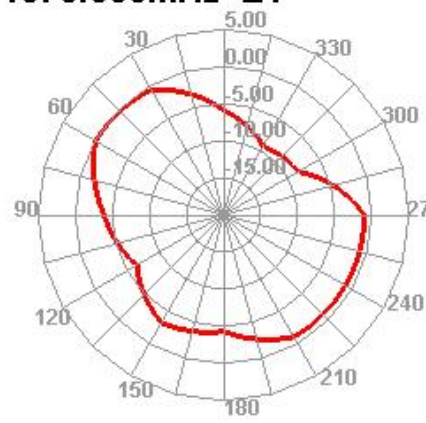
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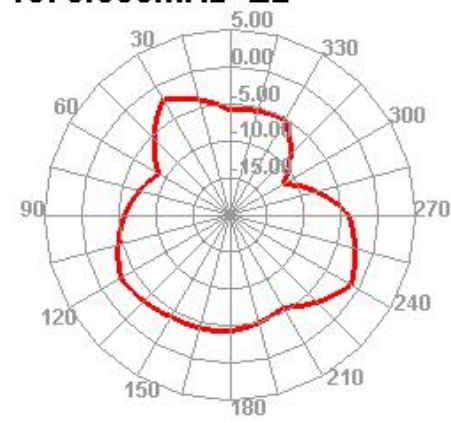
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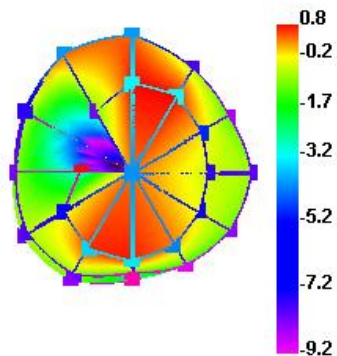
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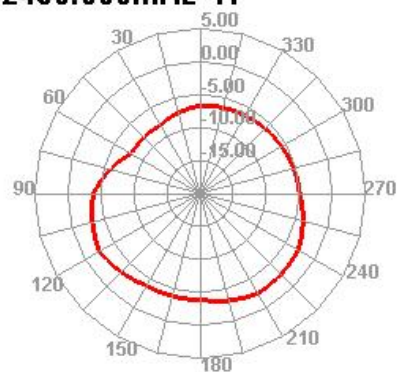
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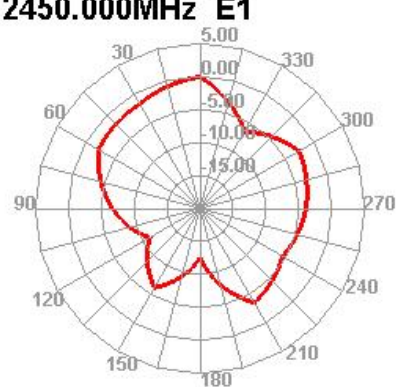
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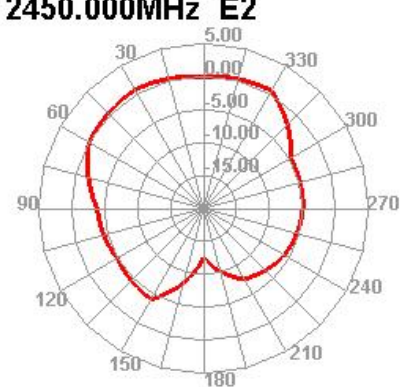
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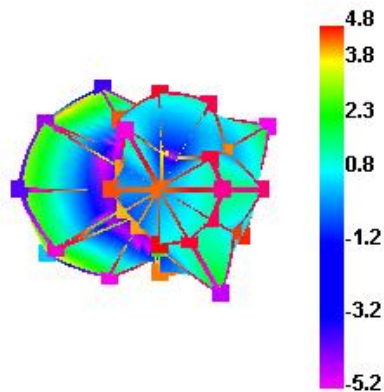
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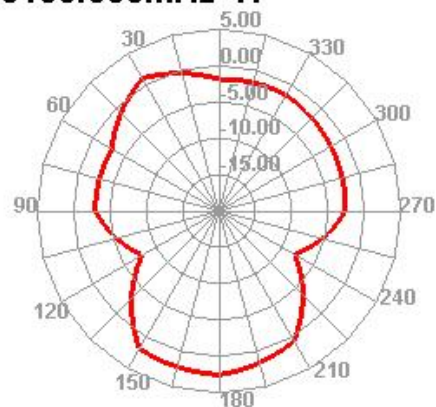
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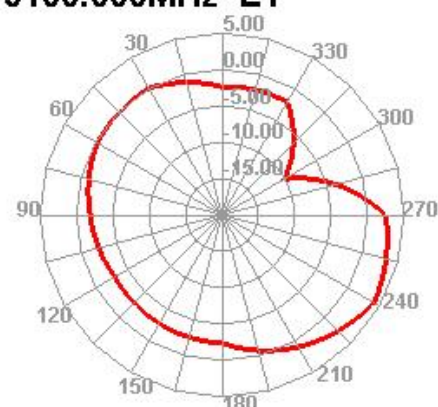
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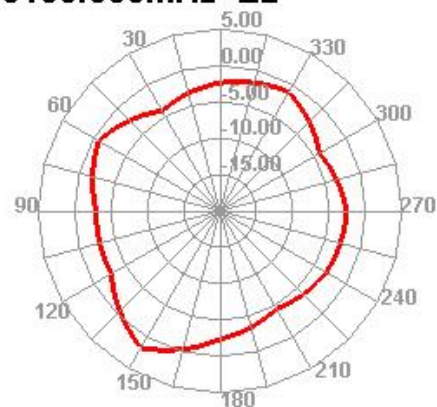
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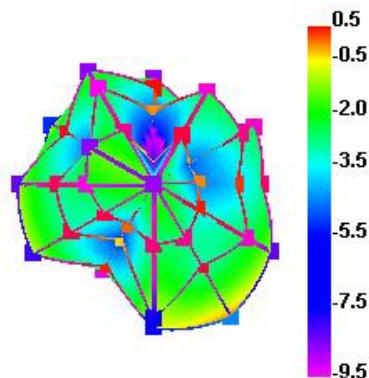
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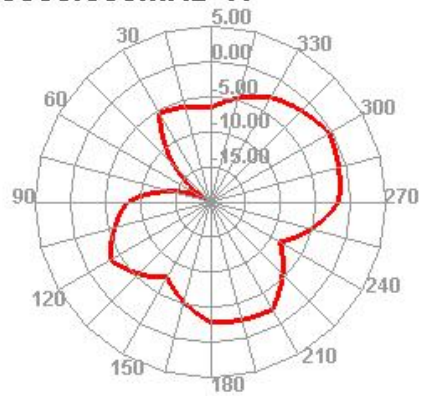
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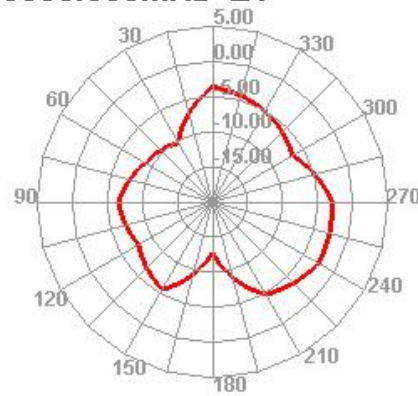
5850.000MHz



5850.000MHz H



5850.000MHz E1



5850.000MHz E2

