

Antenna Test Report

SHENZHEN KURUIJIE

Project:Y6136

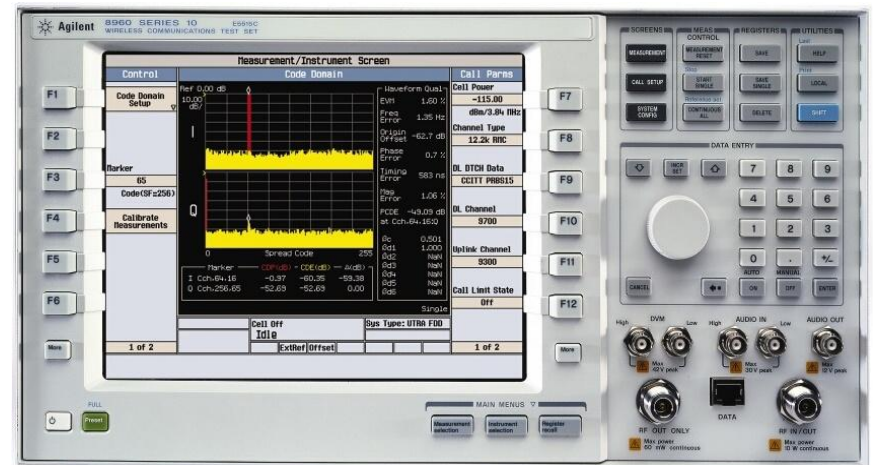
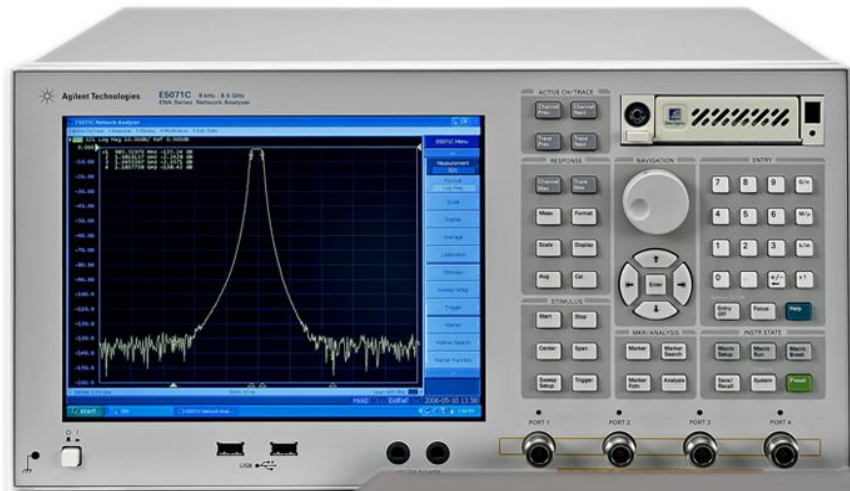
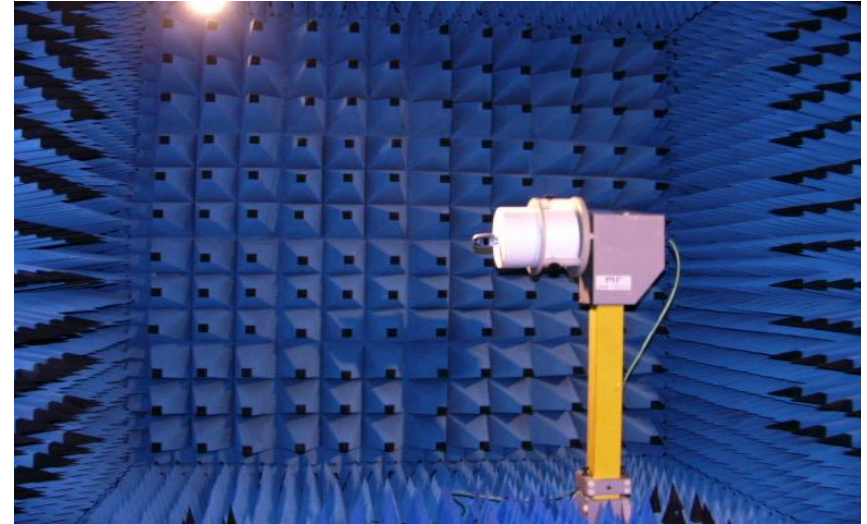
RF Engineer:安增侠
Testing Date:2025.01.15

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- 1. Testing Item & Equipments**
- 2. Test Data**

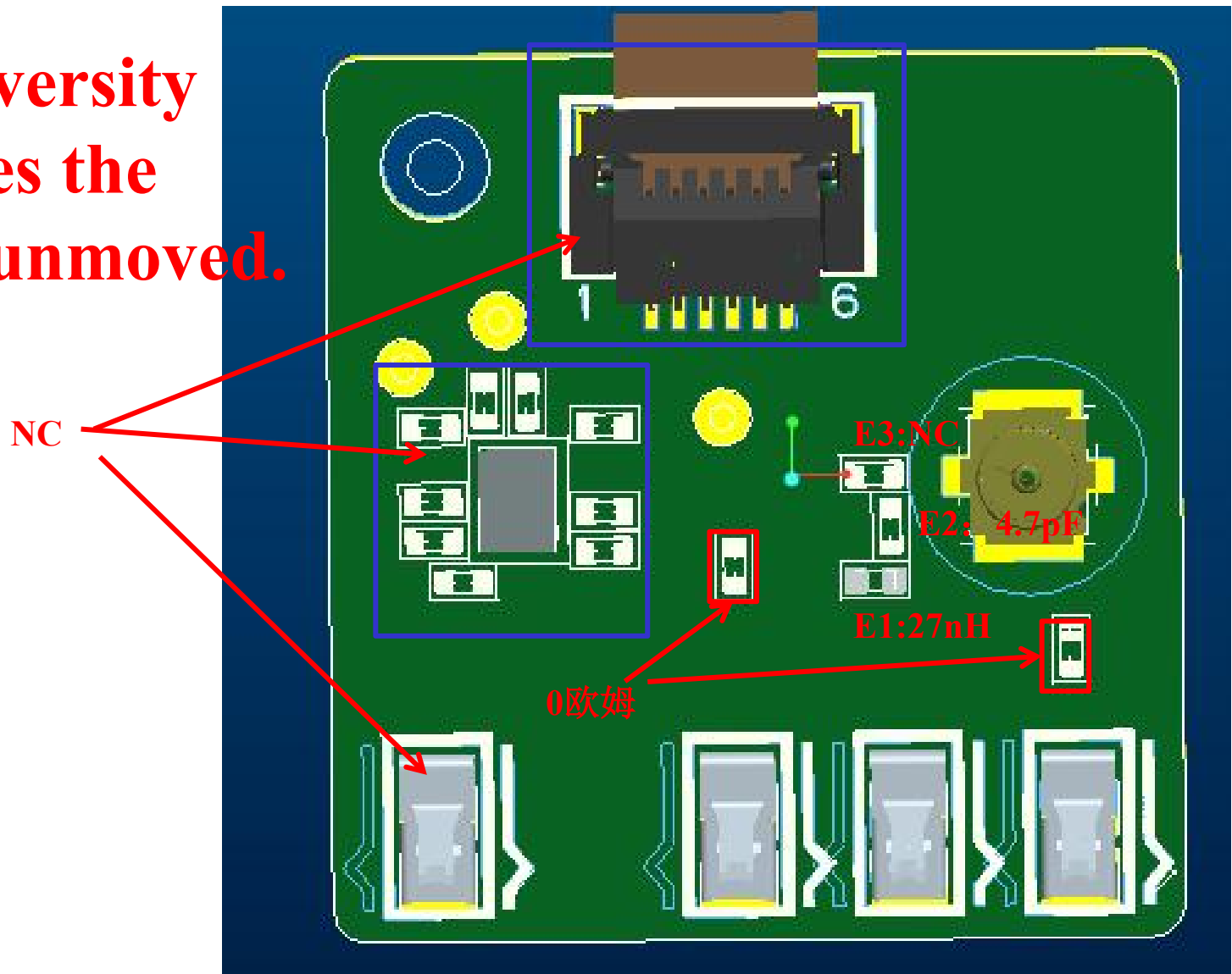
1. The Equipment of Active Test

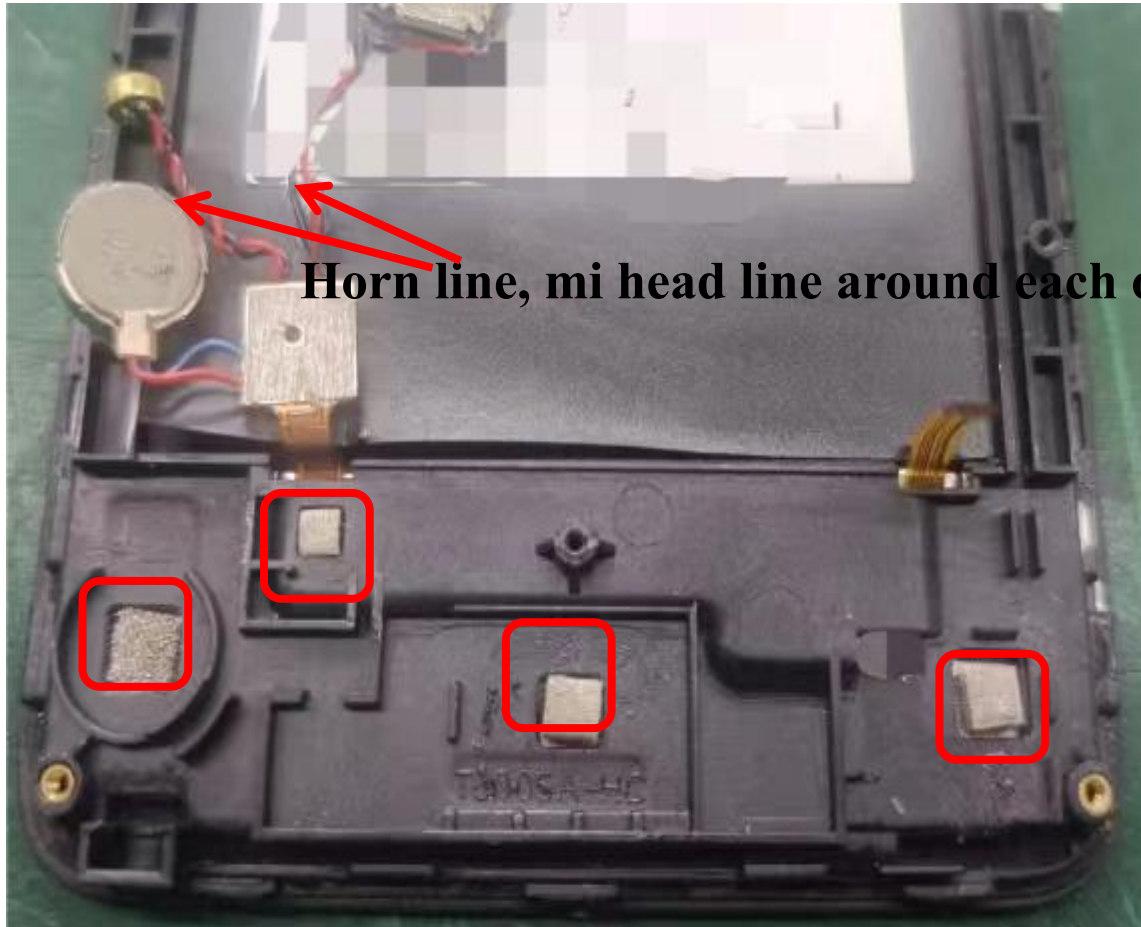
- 1: Anechoic Chamber 7x4x3 m (3D)
- 2: Rohde & Schwarz CMW500
- 3: AGILENT 8960 5515C
- 4: Network Analyzer-AGILENT ENA5071B



2. Matching Circuits

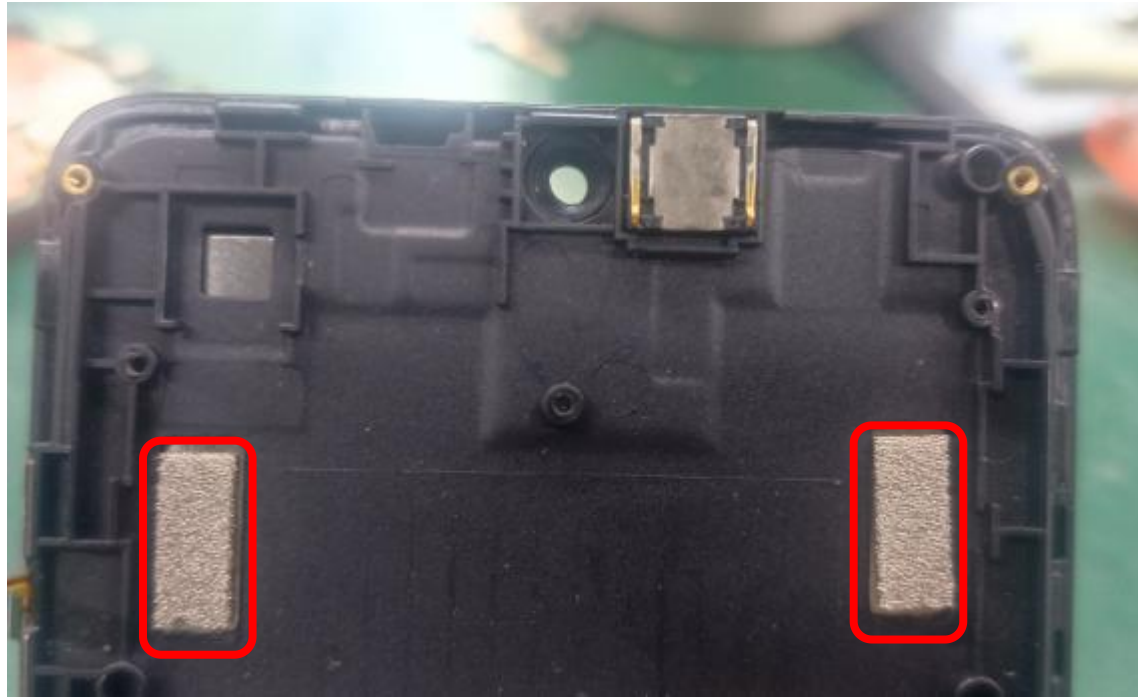
The diversity
matches the
WBG unmoved.



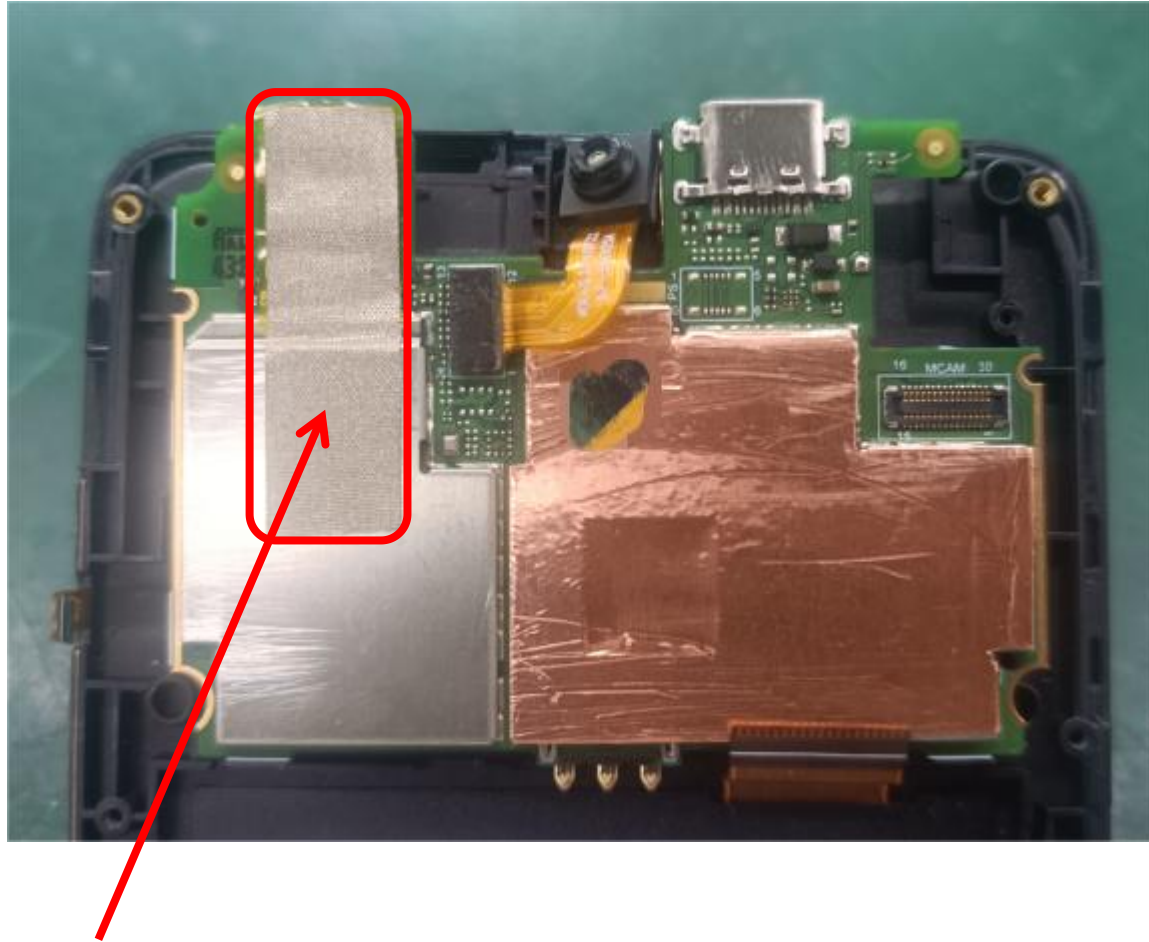


Horn line, mi head line around each other 5 to 6 laps

**The red box is attached with the
conductive cotton ground**



**The red box is attached with the
conductive cotton ground**



The earphone holder is first affixed with a layer of insulation glue, and then affixed with conductive cloth to cover it and connect with the motherboard shield hood.

3. Test Data

	TRP	TIS		TRP	TIS
GSM850	26.1		LTE B2	18.6	
	25.0			18.2	
	25.7	-102.4		18.0	-92.5
GSM900	25.1		LTE B4	16.5	
	25.0			17.2	
	25.3	-102.0		17.5	-92.1
DCS1800	22.8		LTE B5	17.4	
	24.0			17.1	
	24.8	-104.1		17.0	-91.1
PCS1900	25.2		LTE B7	19.0	
	25.0			18.8	
	24.3	-104.1		18.5	-92.4
WCDMAB2	18.5		LTE B26	17.3	
	18.2			17.1	
	18.0	-104.6		17.0	-91.2
WCDMAB4	17.3		LTE 28AB	16.2	
	18.0			17.8	
	18.1	-104.2		18.0	-92.5
WCDMAB5	18.0		LTEB 38	17.3	
	17.1			17.5	
	16.8	-104.3		17.6	-90.5
WCDMAB8	17.6				
	17.3				
	16.8	-103.2			

4. GPS / WIFI / BT

GPS

Our window sill	Cold start 60 seconds positioning, maximum CN 41 can be used more than 8 stars.
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WIFI

10M + a wall of three grid signals, web browsing, video playback smoothly.	Three-grid signal, web browsing, video playback smoothly.
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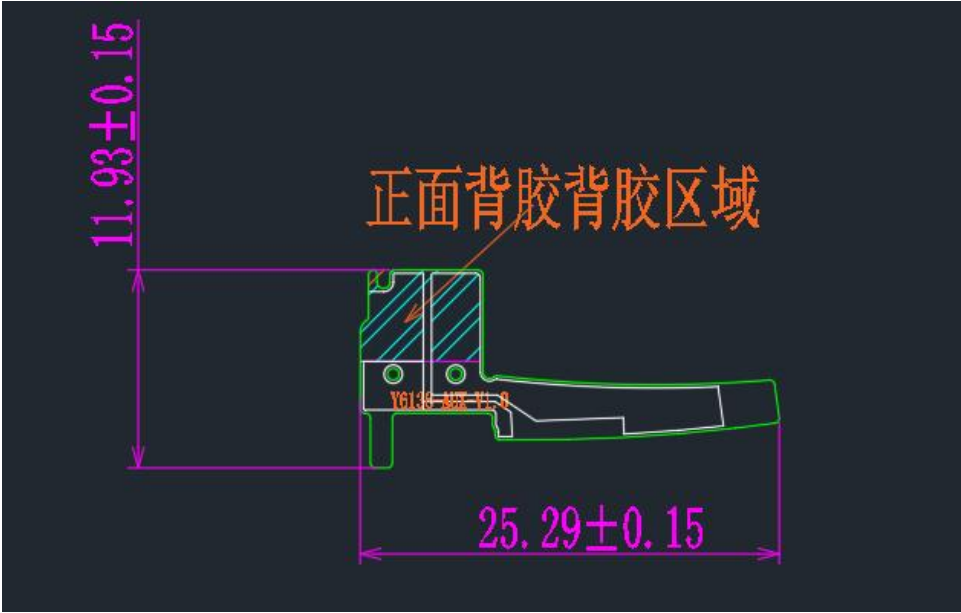
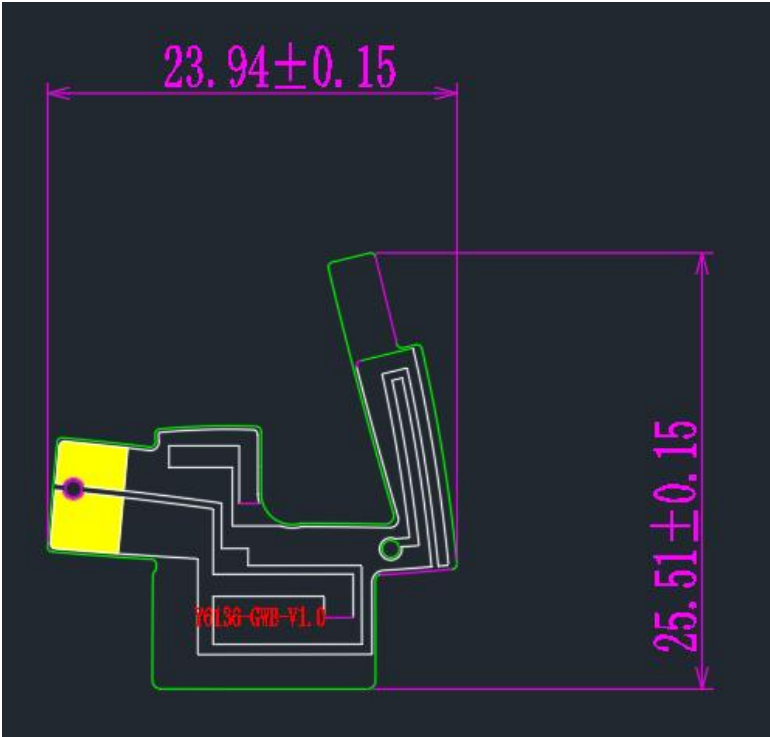
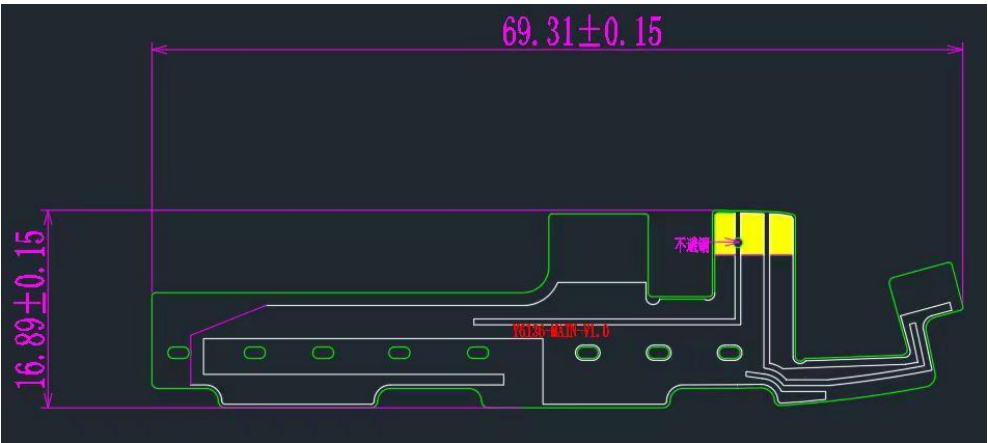
BT

10 Meters	Forward voice calls are clear in the range
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WIFI2.4G(g/6m)		
1	6	11
13.5	13.8	13.7
-82.1	-82.5	-81.2



5. Antenna size

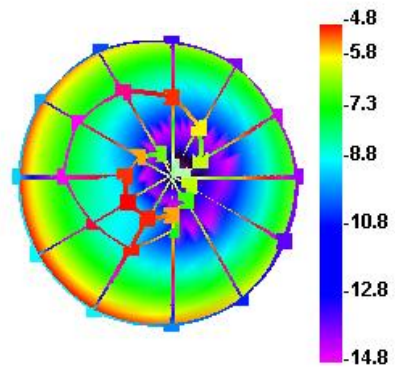


6. antenna gain

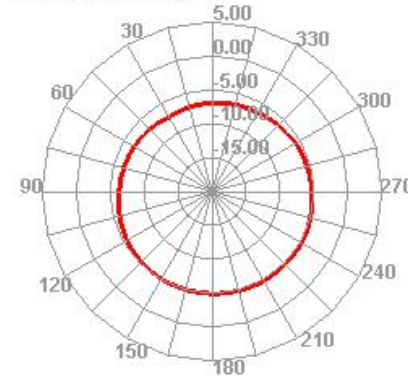
GSM	GSM900: -0.9dBi DCS1800: +0.6dBi GSM850: -1.1dBi PCS1900: +0.6dBi	FIFA
WCDMA	W850: -1.1dBi W900: -0.9dBi W1900: +0.6dBi W1700: +0.6dBi	FIFA
FDD	B2: +0.6dBi B4: +0.6dBi B5: -1.1dBi B7: +0.4dBi B26: -1.1dBi B28: -1.5dBi B38: +0.4dBi	FIFA
WIFI	2.4G: +0.8dBi	FIFA
BT	+0.8dBi	FIFA
GPS	-0.1	FIFA

7. Antenna apple diagram

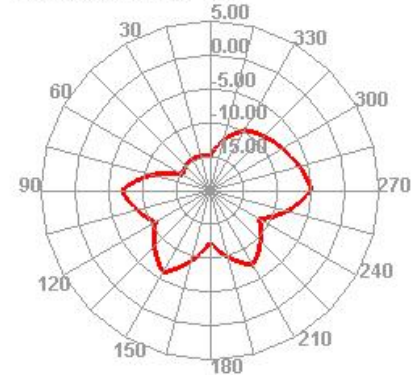
730.000MHz



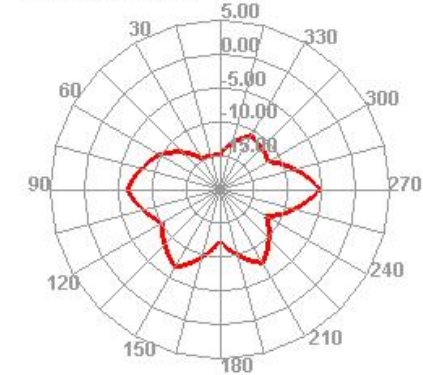
730.000MHz H



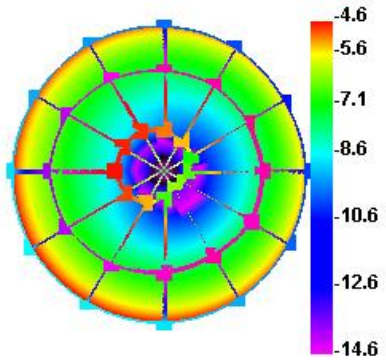
730.000MHz E1



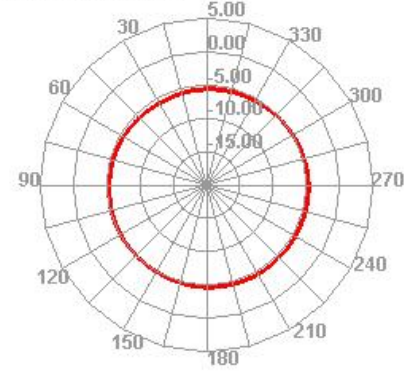
730.000MHz E2



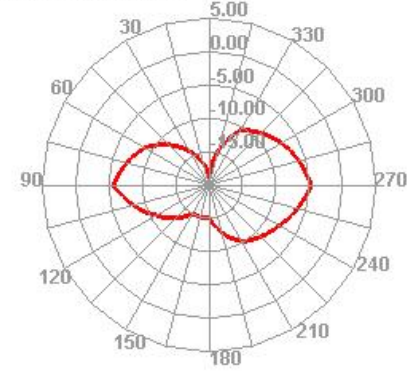
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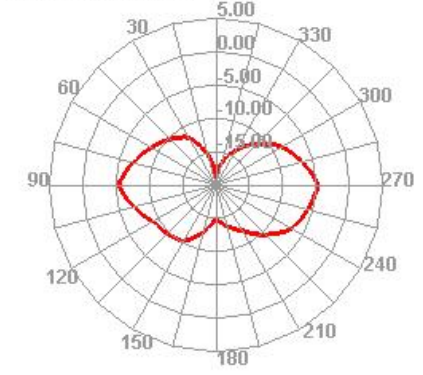
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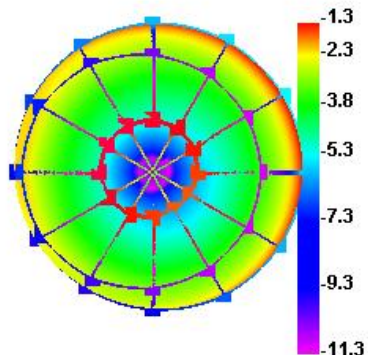
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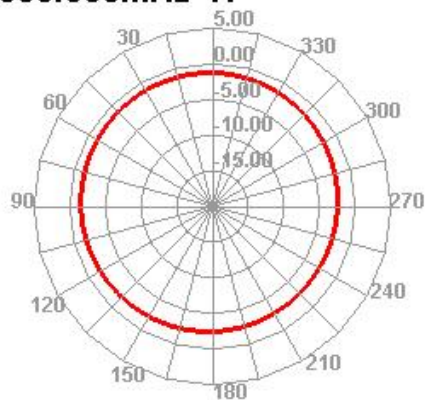
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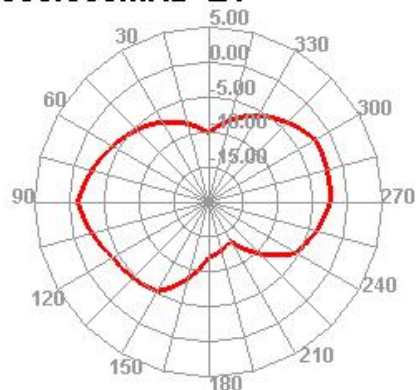
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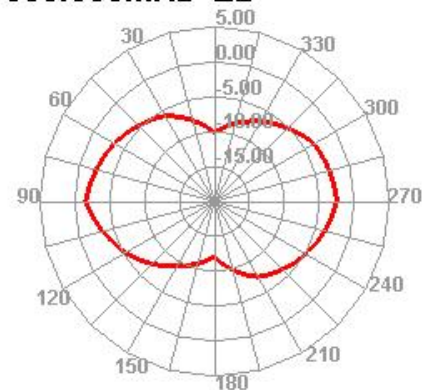
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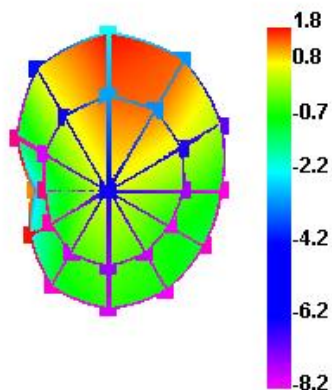
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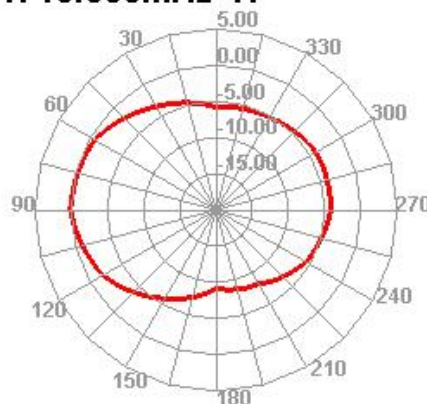
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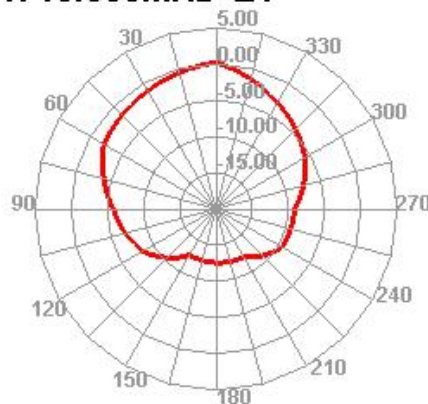
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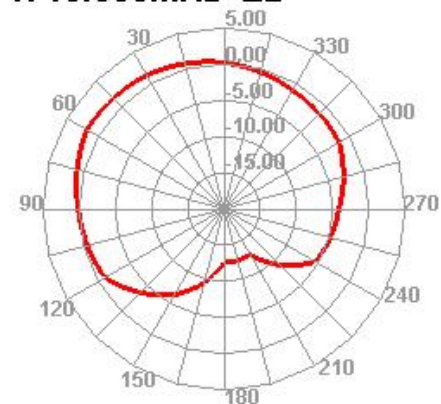
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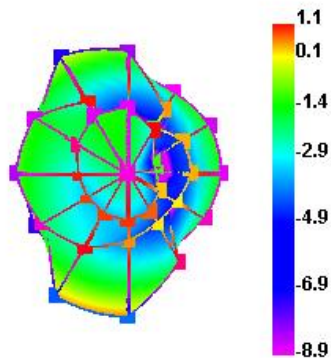
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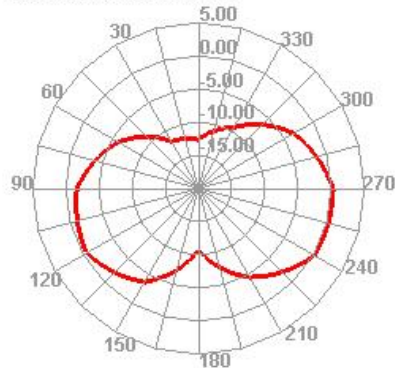
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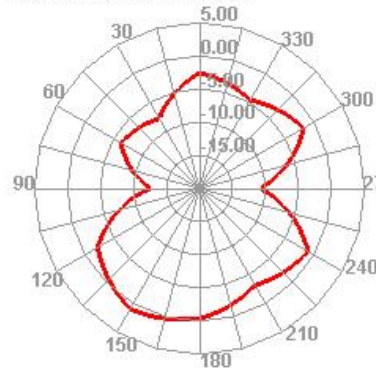
1990.000MHz



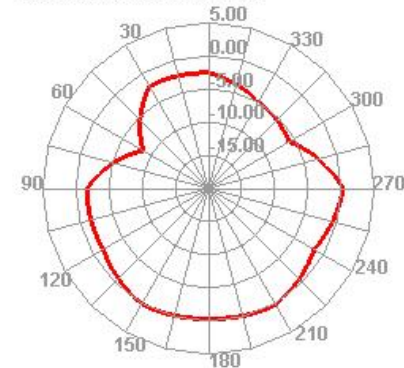
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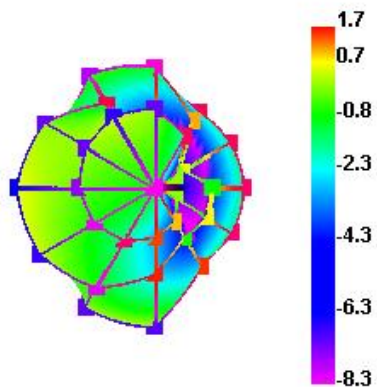
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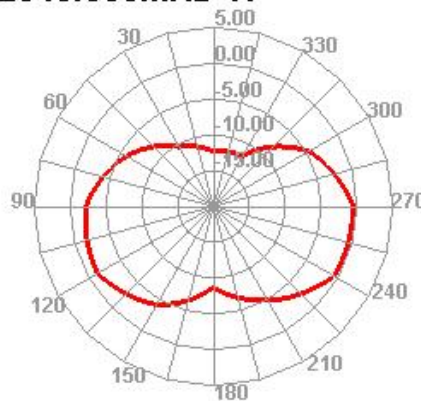
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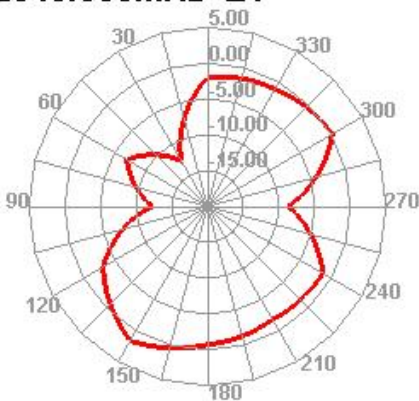
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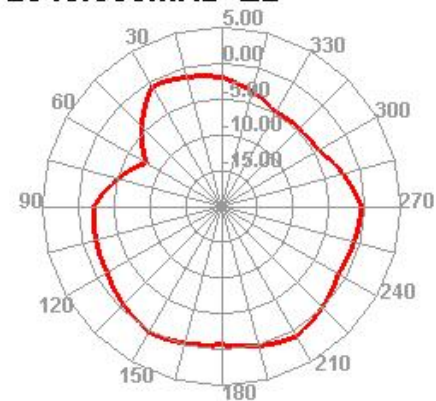
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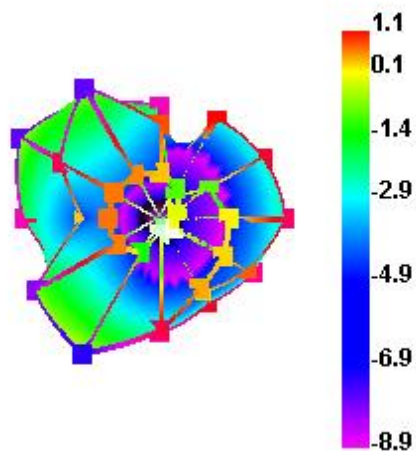
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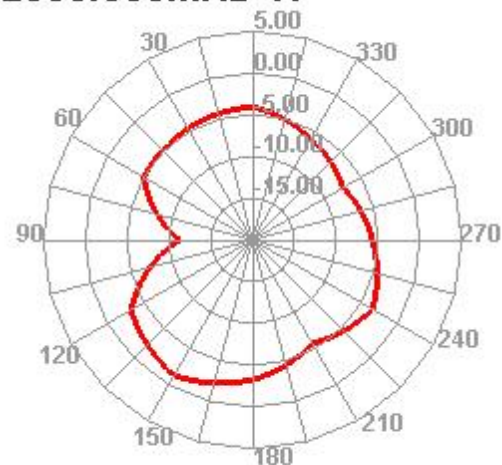
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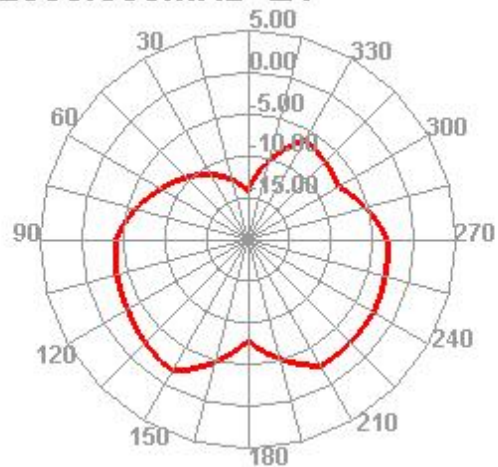
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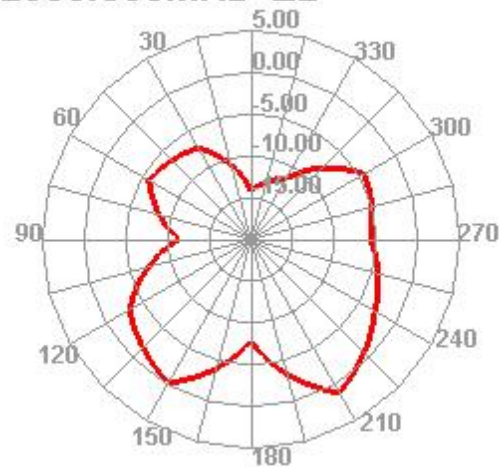
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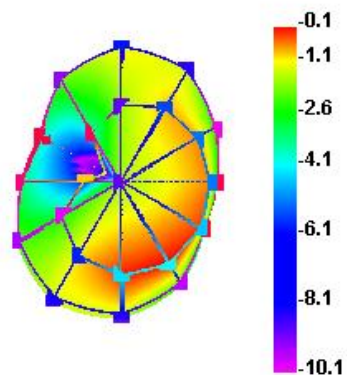
2550.000MHz E1



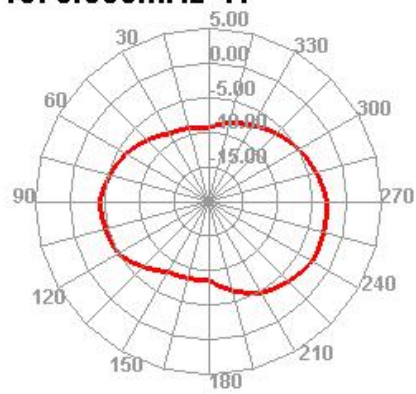
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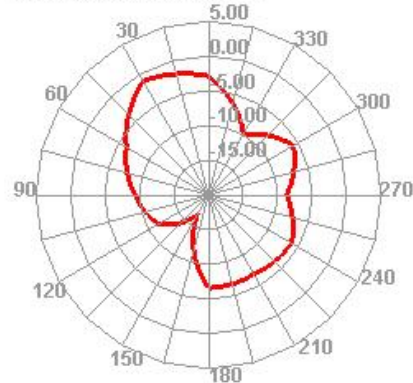
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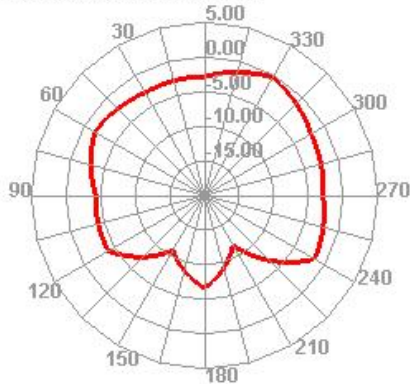
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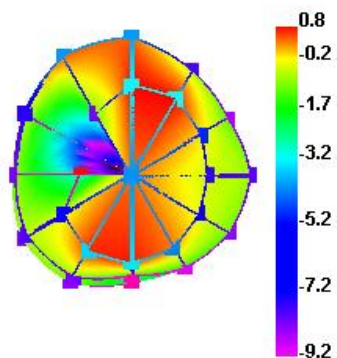
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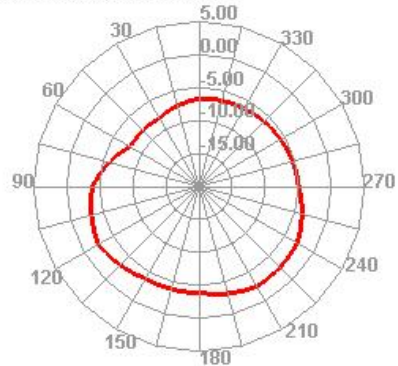
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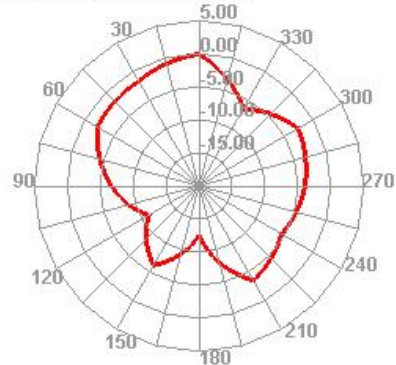
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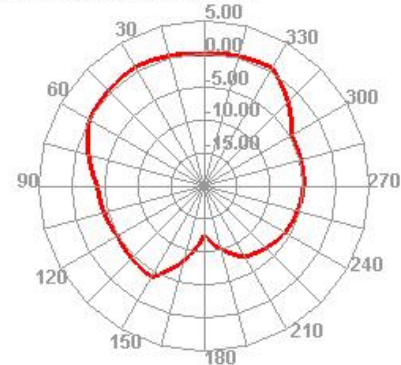
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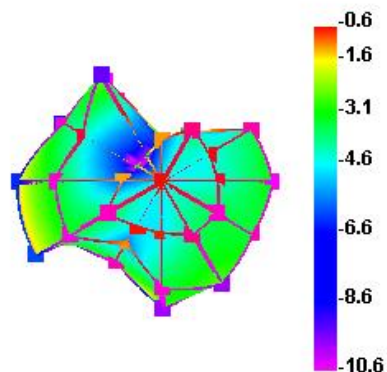
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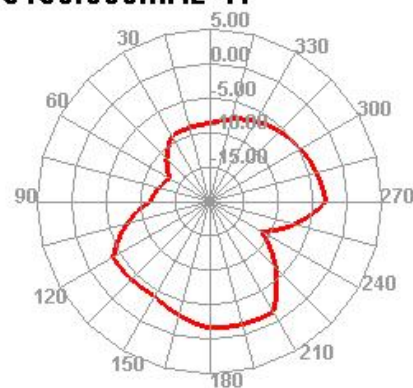
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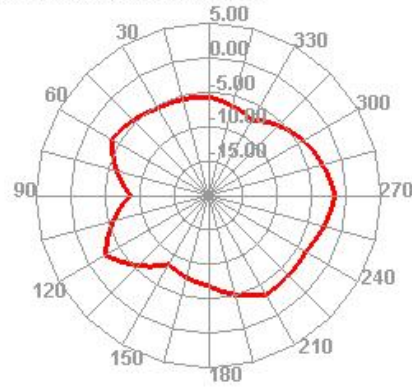
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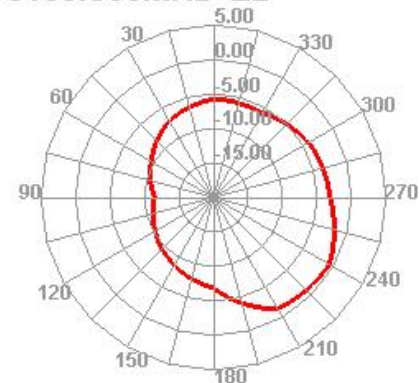
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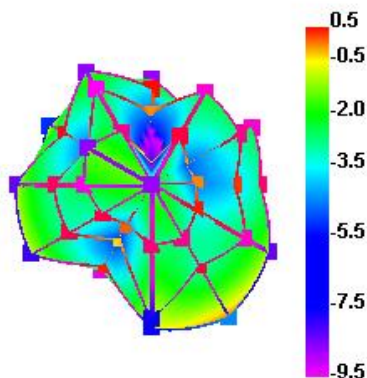
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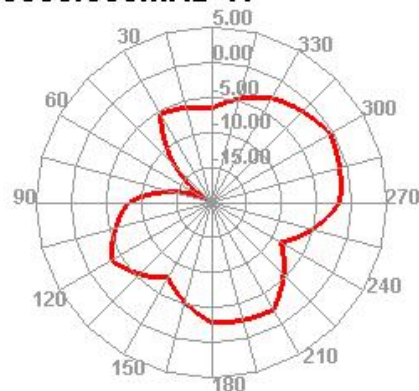
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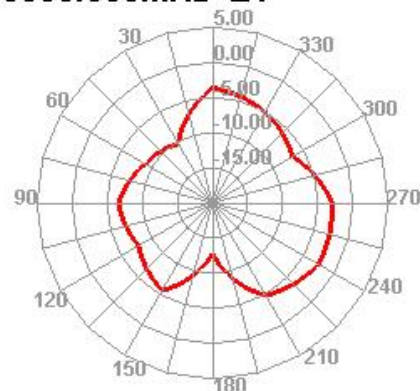
5850.000MHz



5850.000MHz H



5850.000MHz E1



5850.000MHz E2

