

Shenzhen Kuruijie Communication Technology Co., LTD

Antenna Test Report

1.Explanation of part number:

Supplier: **Kuruijie**

Frequency: 708-890Hz, 1710-2170Mhz,2500-2690Mhz

Antenna Material: FPC

Antenna model: PIFA

2.Electrical Specification:

2-1. Frequency Band:

Frequency	MHz
LTE	703-960MHz , 1710-2170MHz , 2500-2690MHz

Project model:T219L

Frequency Band: GSM 850/900/1800/1900

WCDMA-B1/2/4/5

FDD B2/4/5/7/13/28/8/13/28/66

Bluetooth: 2.4GHZ

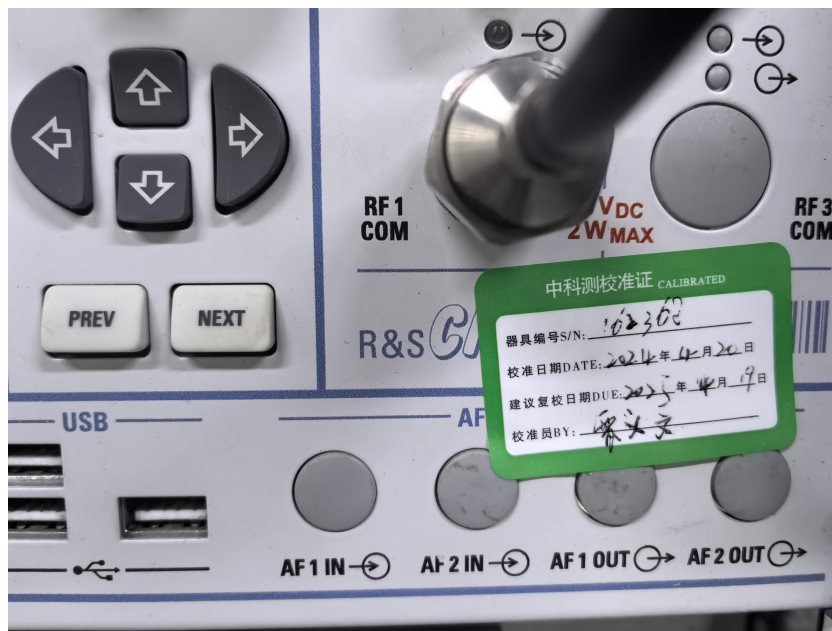
Date: 2025/04/23

ADD: 5C Building, Units 407-409, Huaqiang Creative
Industry Park, Biyan Community, Guangming Street,

1.Test Project

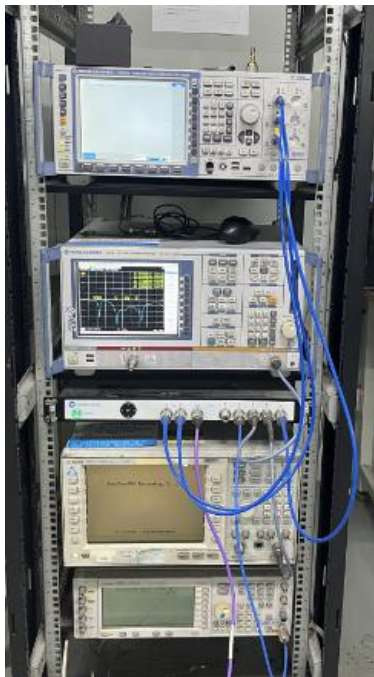
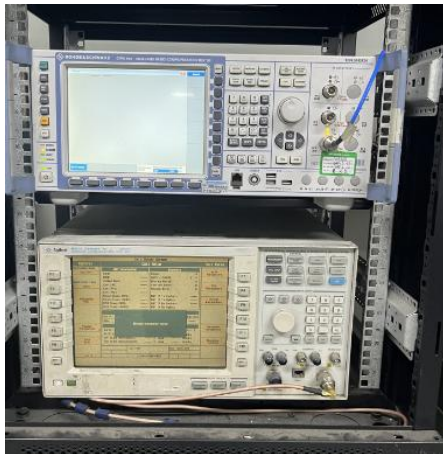
	Test Project	Equipment
1. S Parameter	1. Return Loss (RL) 2. VSWR	Network Analyzer: Agilent 5071B
2. RF Test (2G+3G+4G+BT)	1. power 2. level 3. TRP/TIS	Comprehensive Test: CMW500/8960 Test Environment: Anechoic Chamber

2.Test Equipment

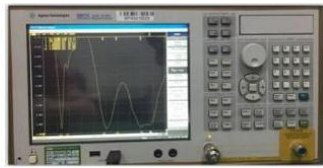


CMW 500 (2G/3G/4G Test Equipment)

3. TestEnvironment



Antenna debugging equipment



E5071C



HP8753D



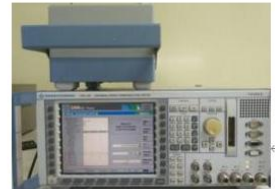
ROHDE&SCHWARZ-ZVL



ROHDE&SCHWARZ



HP885046A

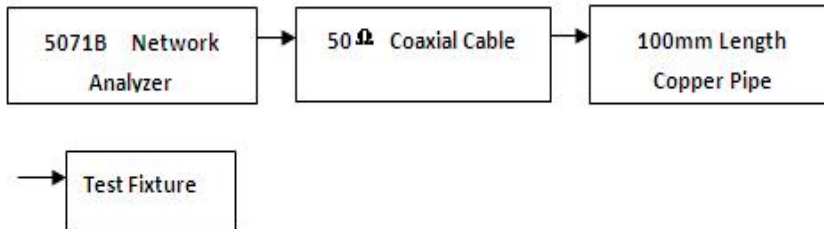


CMU200

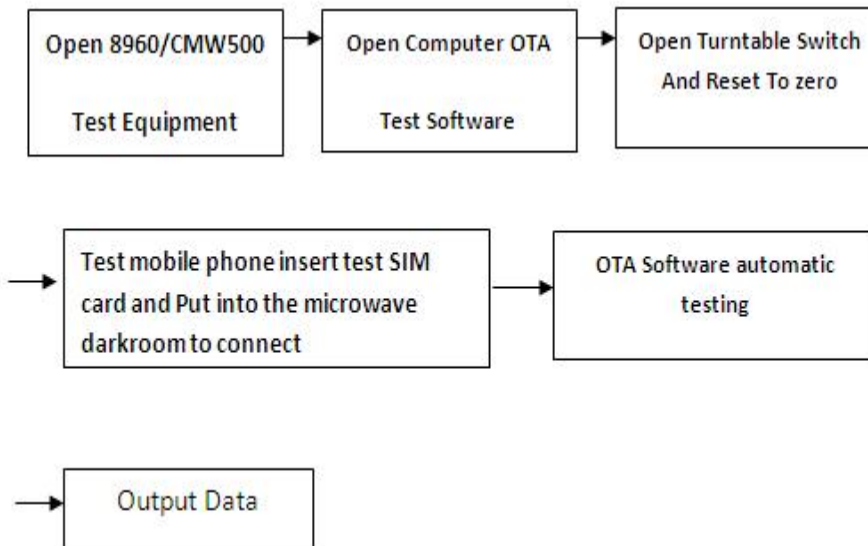
Our company has a number of OTA test darkrooms, ranging from 400MHz to 8.5ghz, which can provide passive test and active test (including OTA overall 2G,3G,4G,5GFR test, WiFi multi-mode test, GPS active test, Bluetooth active test, which can provide antenna gain and efficiency. 2D orientation and apple chart analysis and upper and lower hemisphere efficiency values, mutual disturbance correlation coefficient test items

4.Test Steps

Passive VSWR/RL Test Steps:



Active TRP/TIS Test Steps:

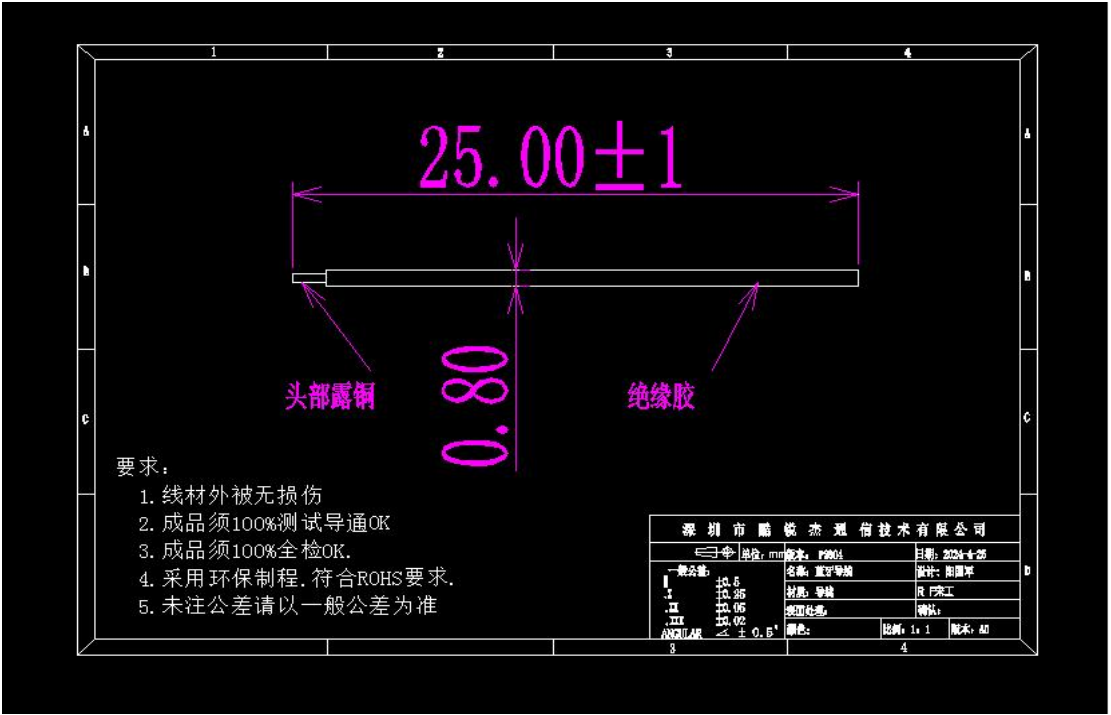
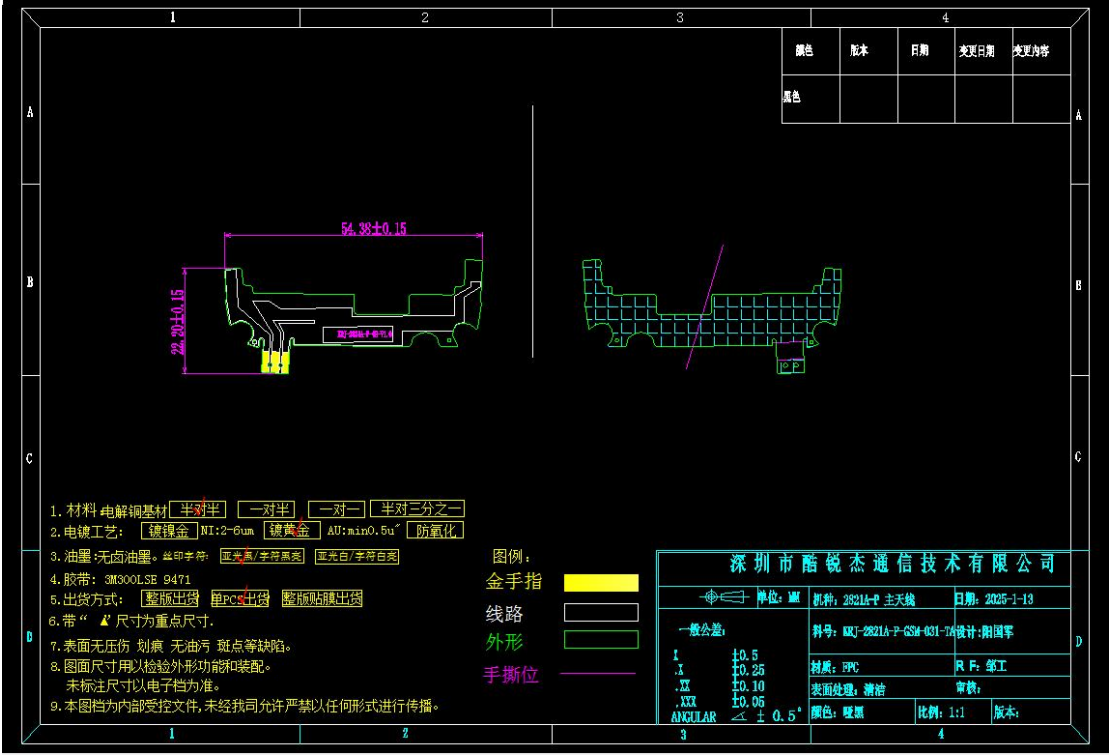


5. Antenna Placement



MIAN:GSM:GSM、EGSM、DCS、PCS
WCDMA:B1/2/4/5
LTE:B2/4/5/7/13/28/66
BT: 2.4GHZ

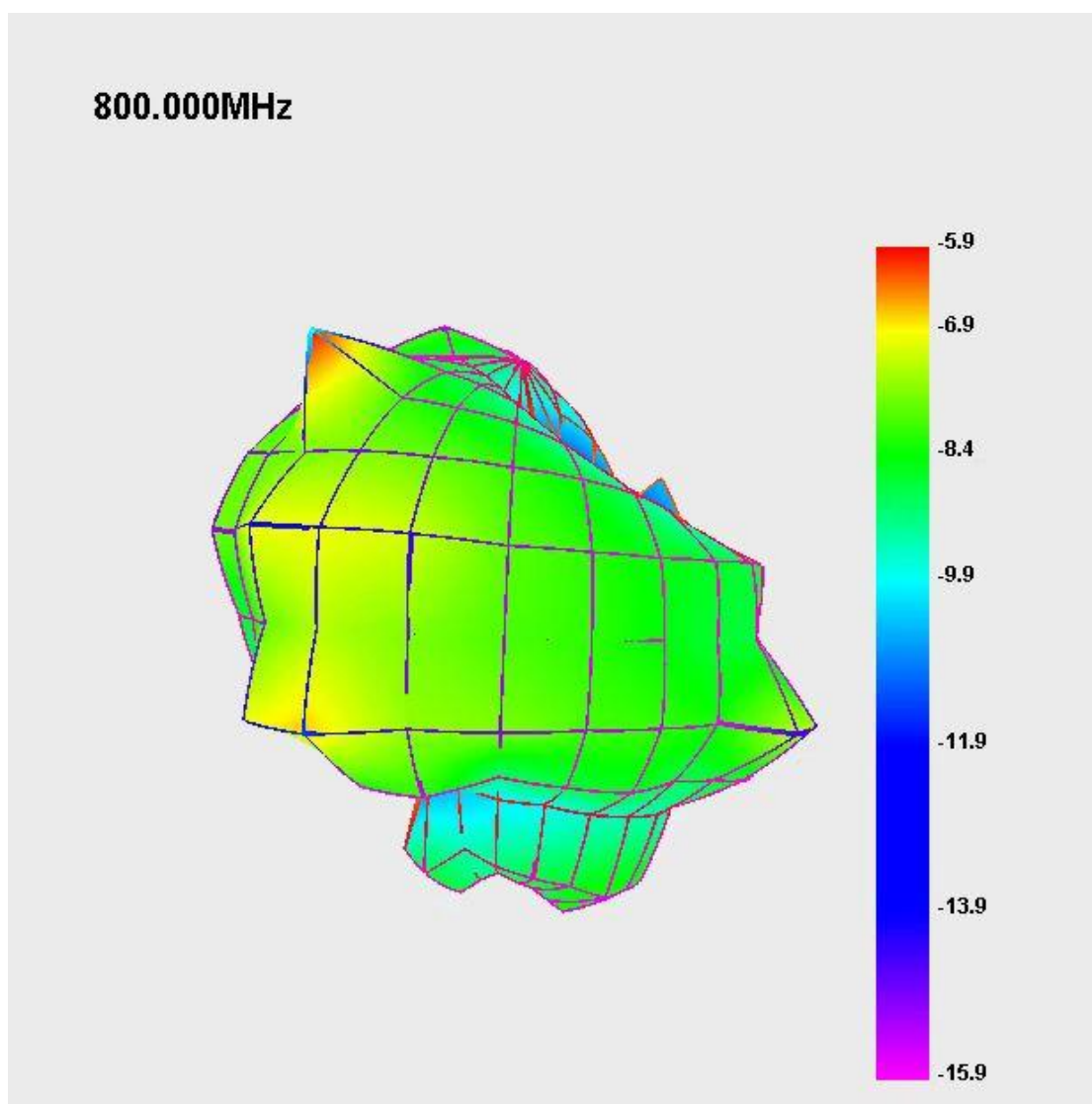
6.Antenna Dimensions



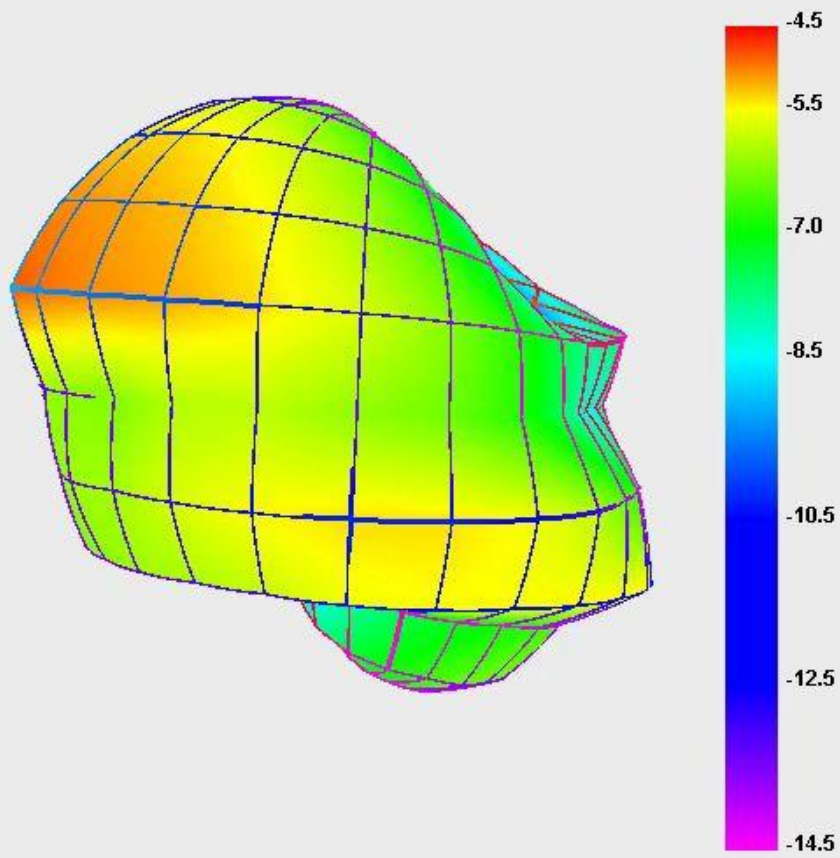
6. Antenna Gain

Frequency	Gain(dBi)
GSM850	-1.2
EGSM900	-0.5
DCS1800	1.0
PCS1900	1.0
WCDMA B1	1.0
WCDMA B2	1.0
WCDMA B4	1.0
WCDMA B5	-1.2
FDD B2	1.0
FDD B4	1.0
FDD B5	-1.2
FDD B7	1.2
FDD B13	-2.0
FDD B28	-2.0
TDD B66	1.1
BT	-1

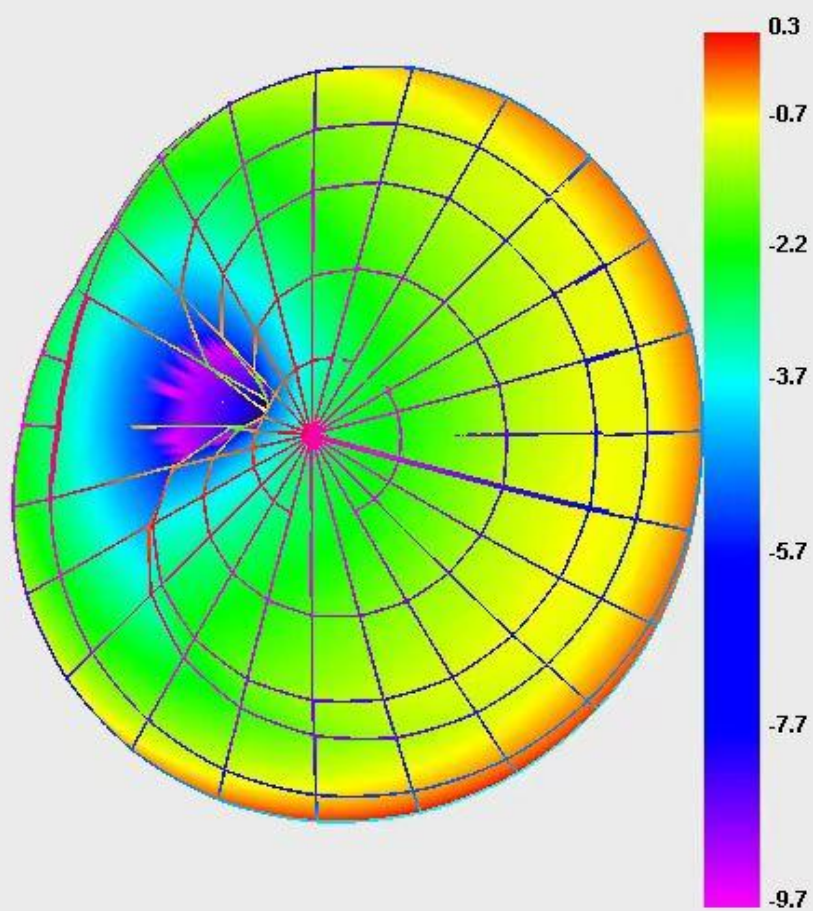
7. 3D Lobe Diagram 主天线



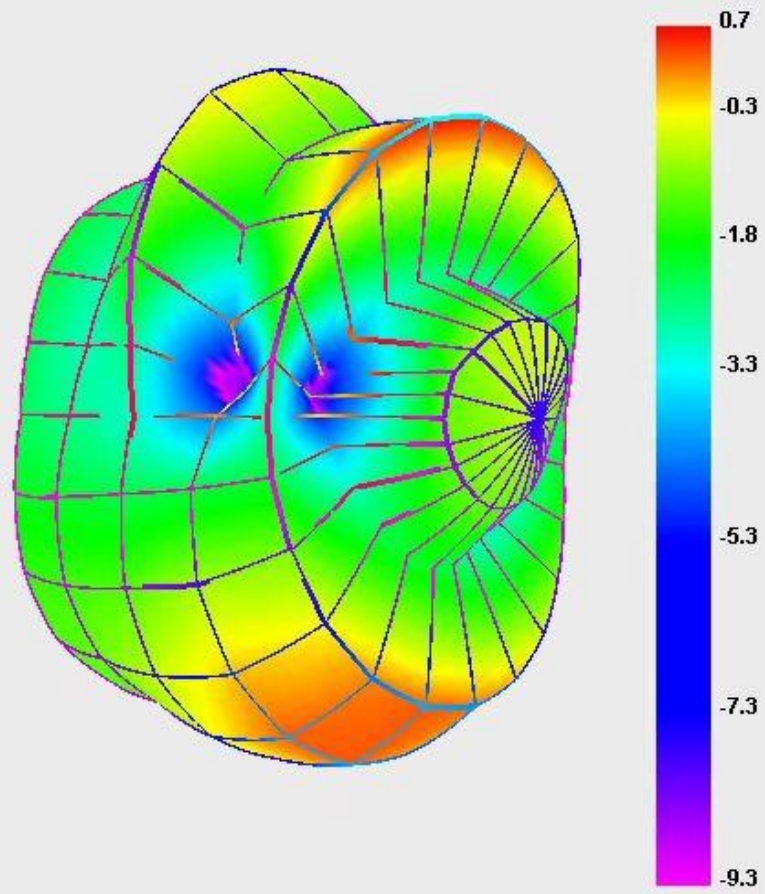
880.000MHz



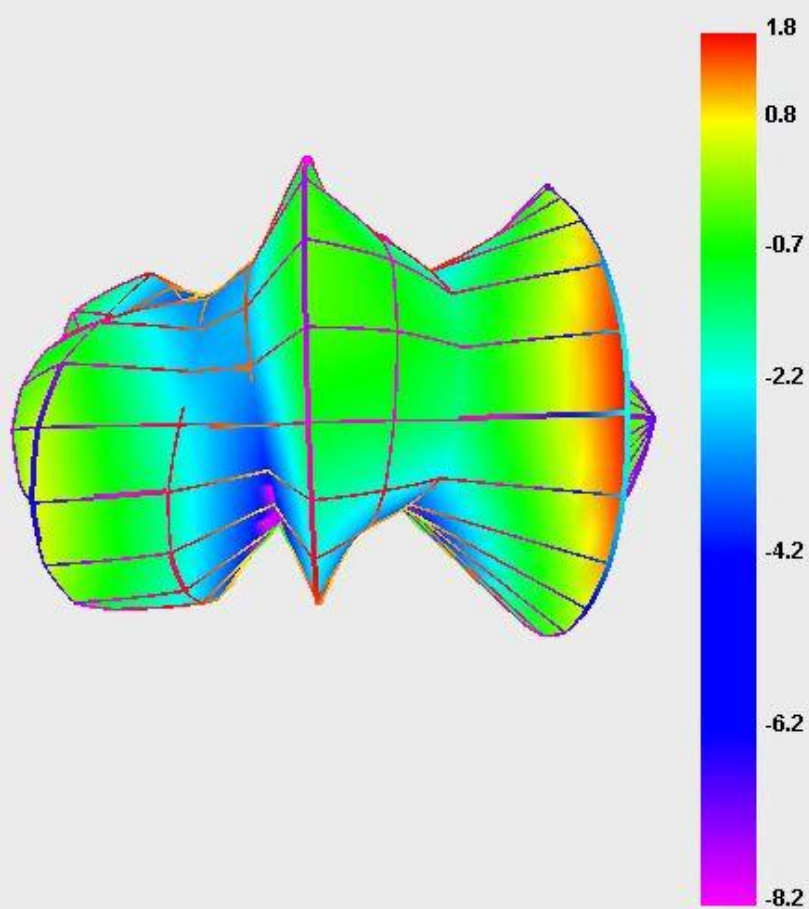
960.000MHz



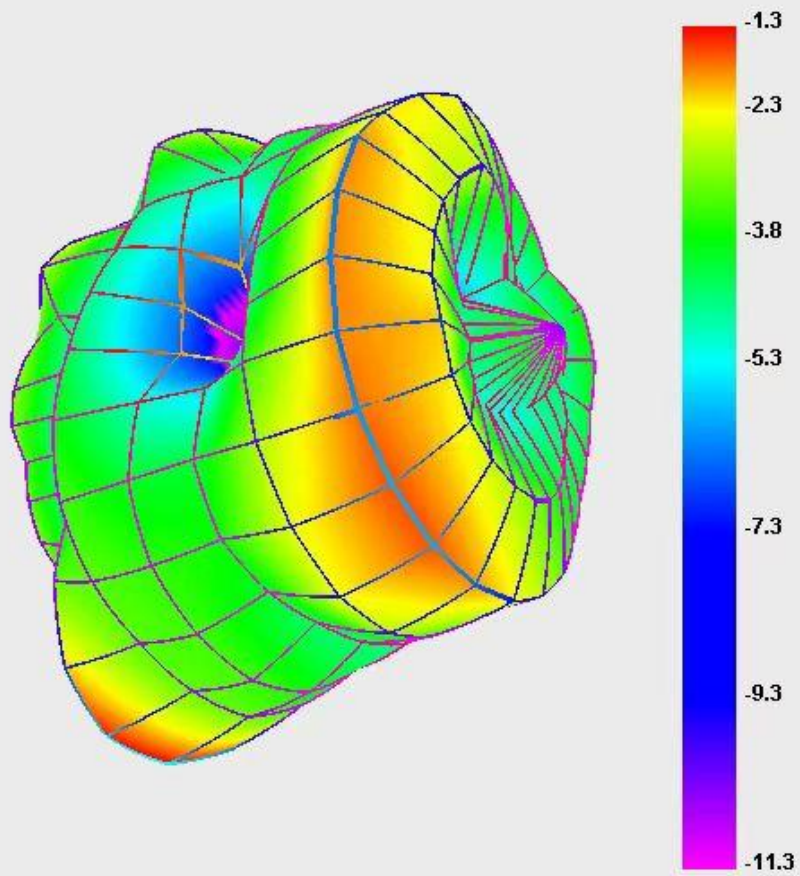
1710.000MHz



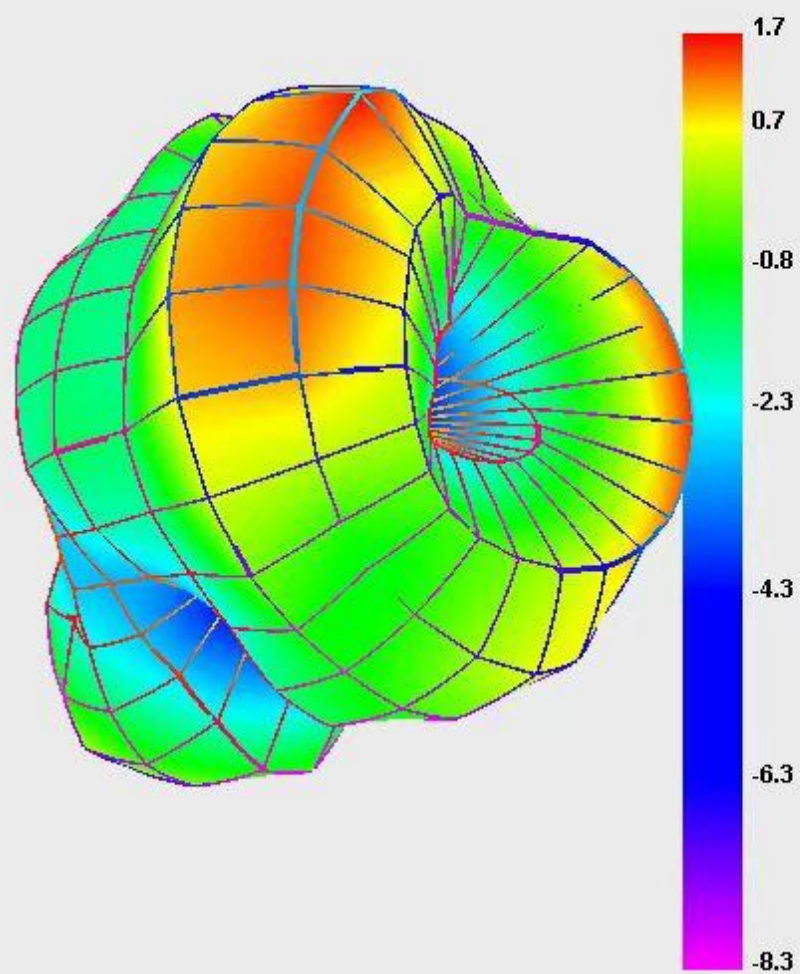
1880.000MHz



2100.000MHz



2550.000MHz



3D Lobe Diagram BT:

