



# Dongguan Ante Communication Co., LTD

Rt a nt C o m m u n i c a t i o n s C o . , L t d

Antenna  
commissioning Q1

Customer: Sanzi  
Item: E360  
Antenna engineer: Li Hunan  
Date: 2024  
Version: V2.0

Project leader: Jiang Lei  
15899911229



一. 项目调试简介

二. 实验室测试环境及设备

Three-antenna matching

四.The coordinates of the dark room

五. 天线摆放位置

六. 无源数据

## 七. 联系方式

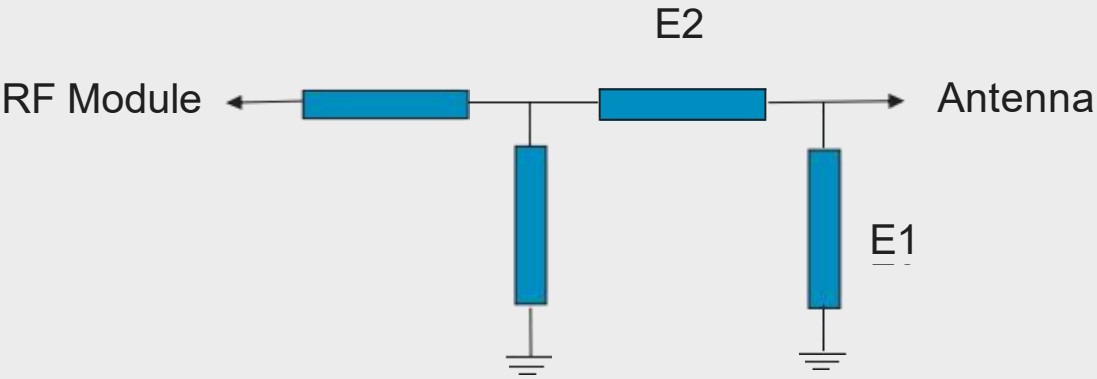
| Complete machine type                       |                                                                     |                             |              |               |
|---------------------------------------------|---------------------------------------------------------------------|-----------------------------|--------------|---------------|
| Antenna type and frequency band information | antenna system                                                      | Frequency band information  | Antenna form | Match changes |
|                                             | WI FI                                                               | 2400-2500 MHz/5150-5850 MHz |              | deny          |
|                                             |                                                                     |                             |              |               |
|                                             |                                                                     |                             |              |               |
| Antenna description                         | WI FI φ1.13 Gray L=110 MM Generation terminal & terminal mouth down |                             |              |               |

|                             |  |
|-----------------------------|--|
| <b>Antenna<br/>material</b> |  |
|-----------------------------|--|



| test item                              | testing facility                                                                              |
|----------------------------------------|-----------------------------------------------------------------------------------------------|
| S11、 S12 、 VSWR 、 LOSS                 | Network Analyzers E5071B, E8753D                                                              |
| Efficiency、 Gain、 3D Radiation Pattern | Satimo SG16 Dark room, Taiwan top ten 7 * 4 * 3 dark room, E5071B, the second generation head |
| TRP、 TIS                               | Satimo SG16 Dark room, Taiwan top ten dark room, CMW500, the second generation head           |

Note: The equipment used for commissioning & testing of this project is marked in blue



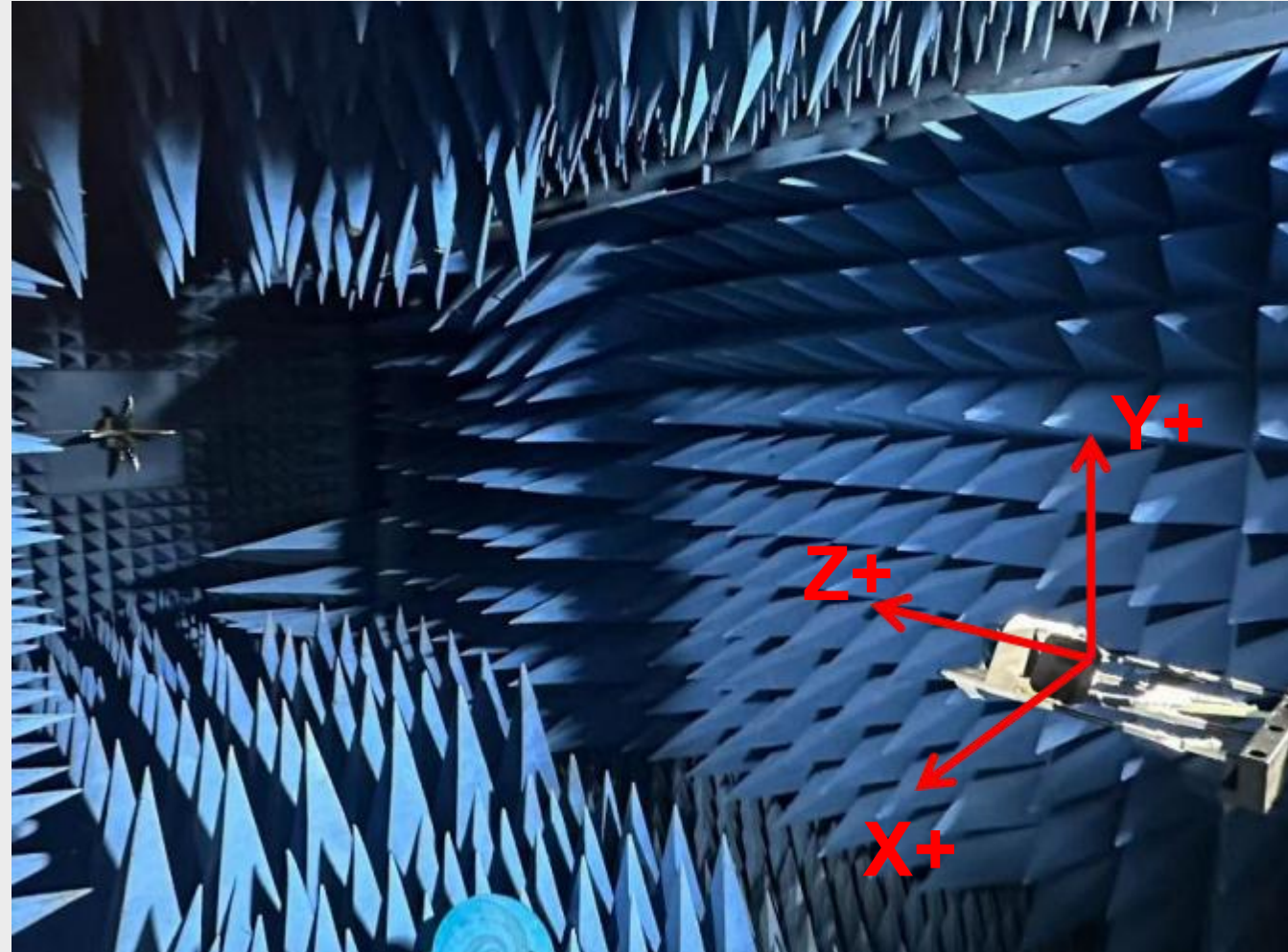
|  | Element | Value    |
|--|---------|----------|
|  | E1      | not have |
|  | E2      | 0 Ou     |
|  | E3      | not have |
|  |         |          |



four. Chamber coordinates indicate

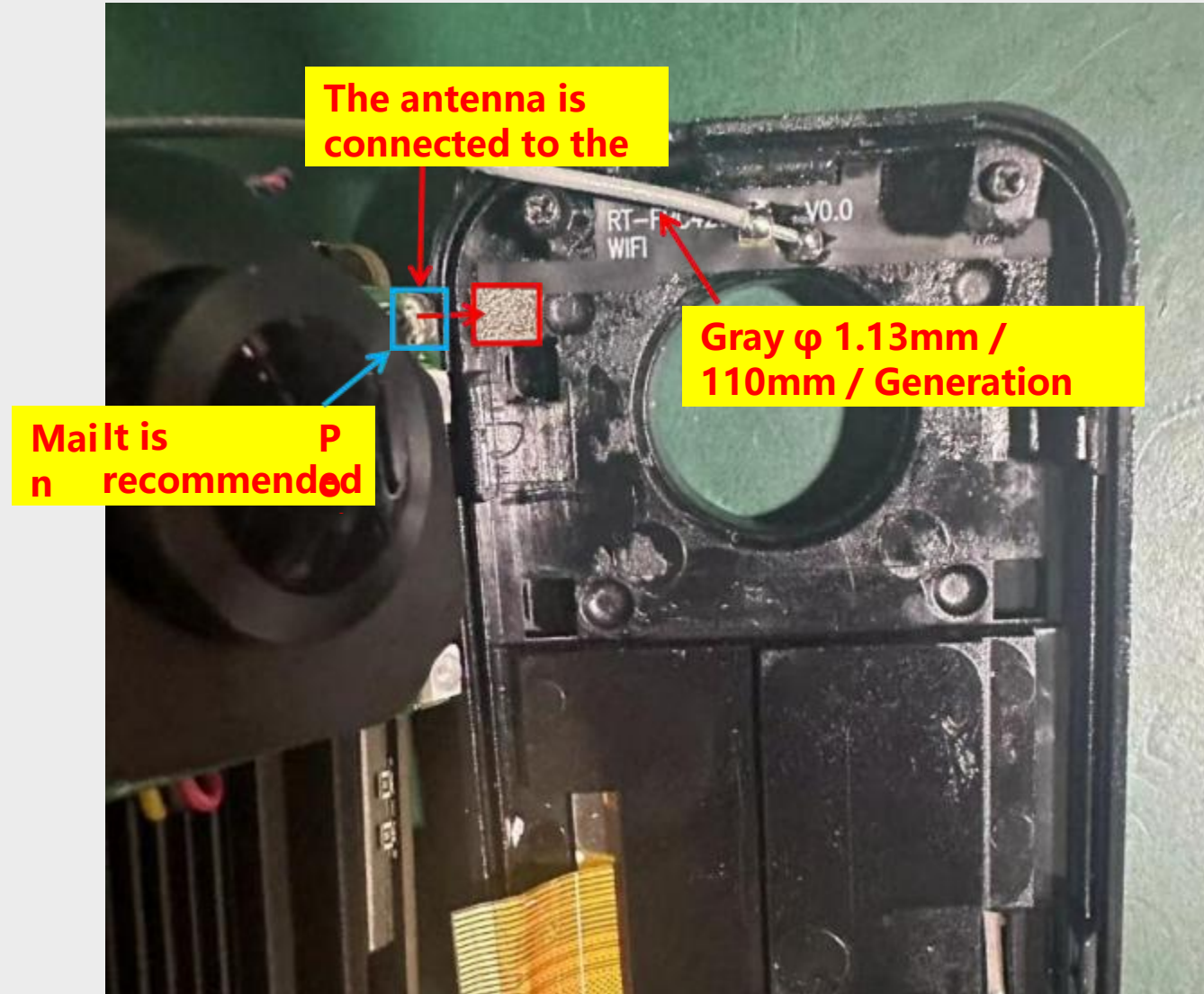


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five. Position of the antenna arrangement

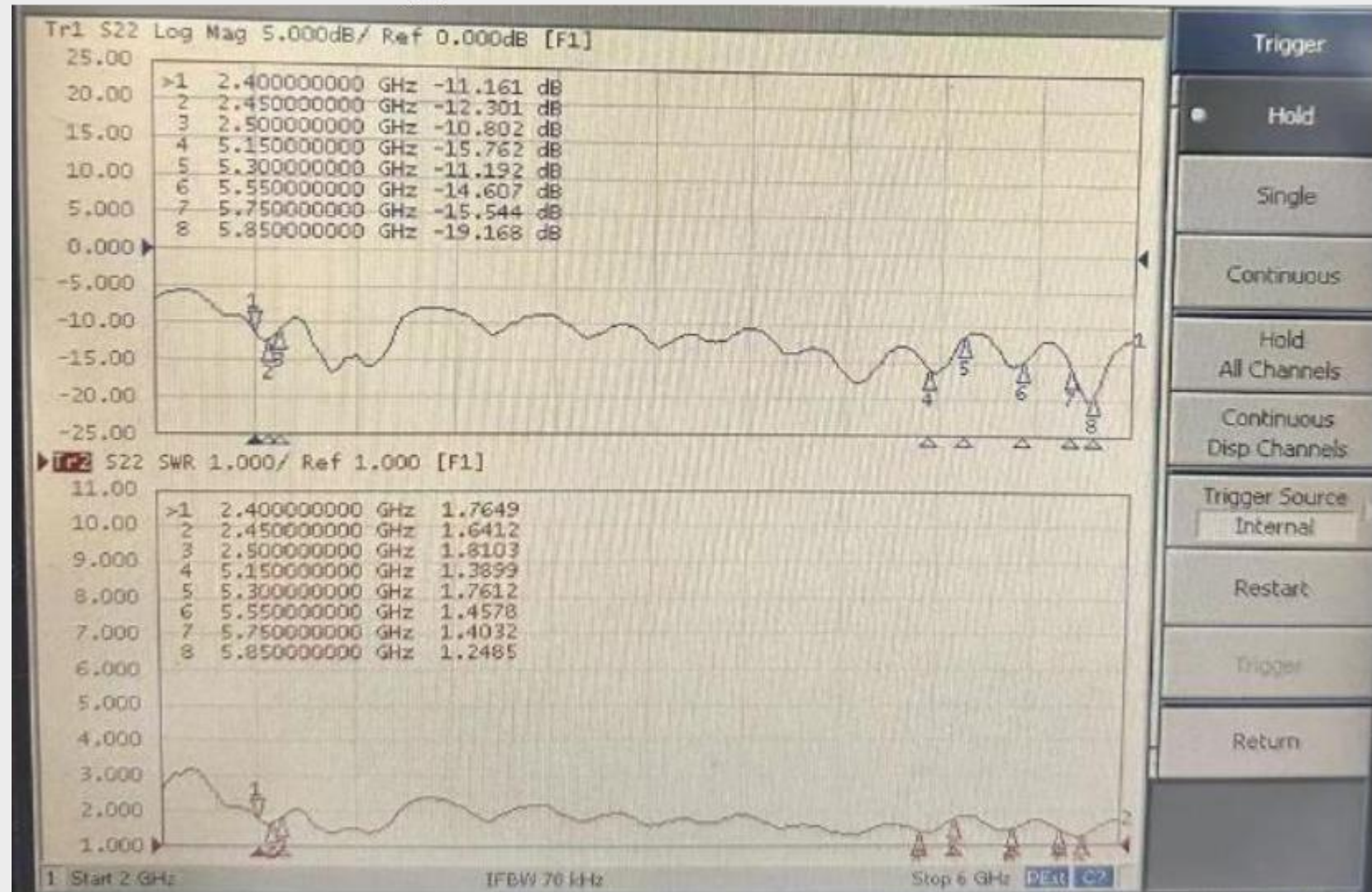


six. Passive data

R- LOSS. VSWR ( WIFI)



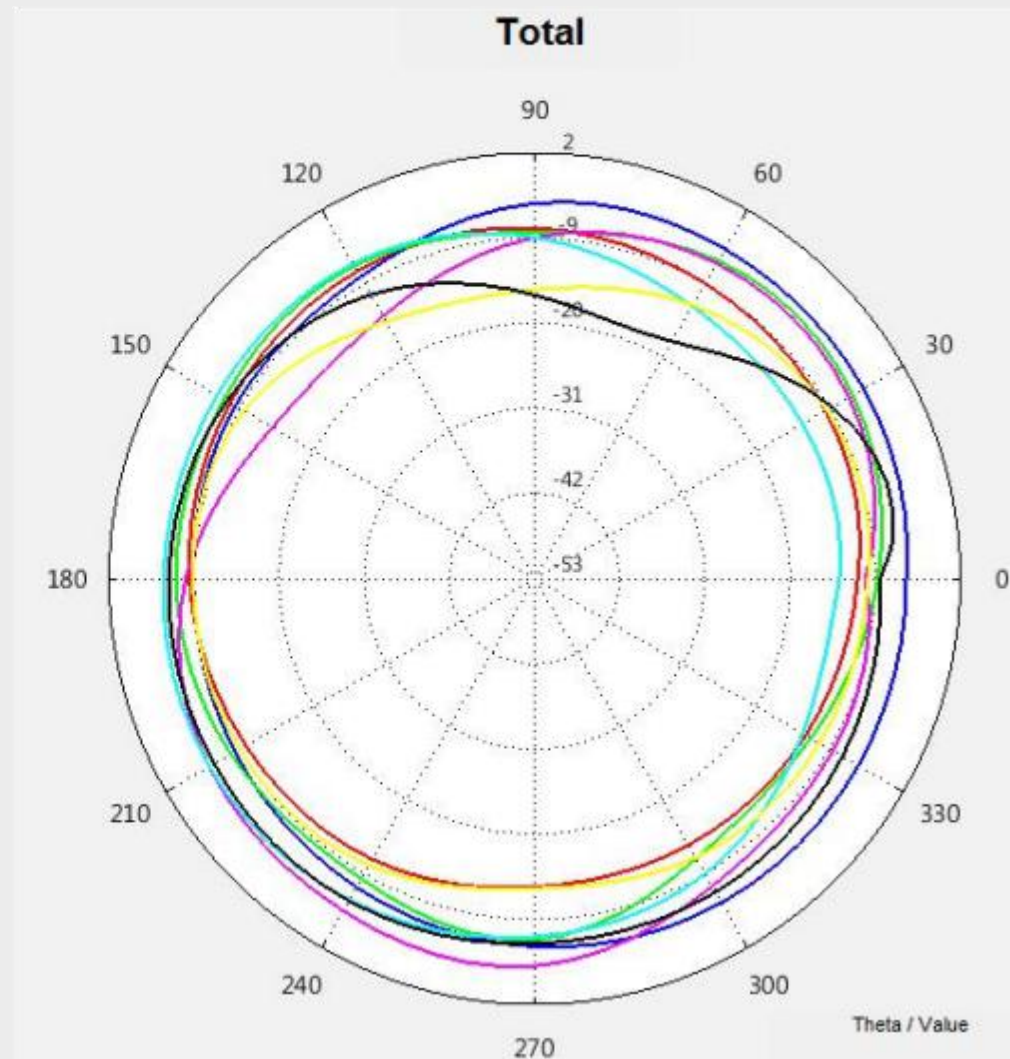
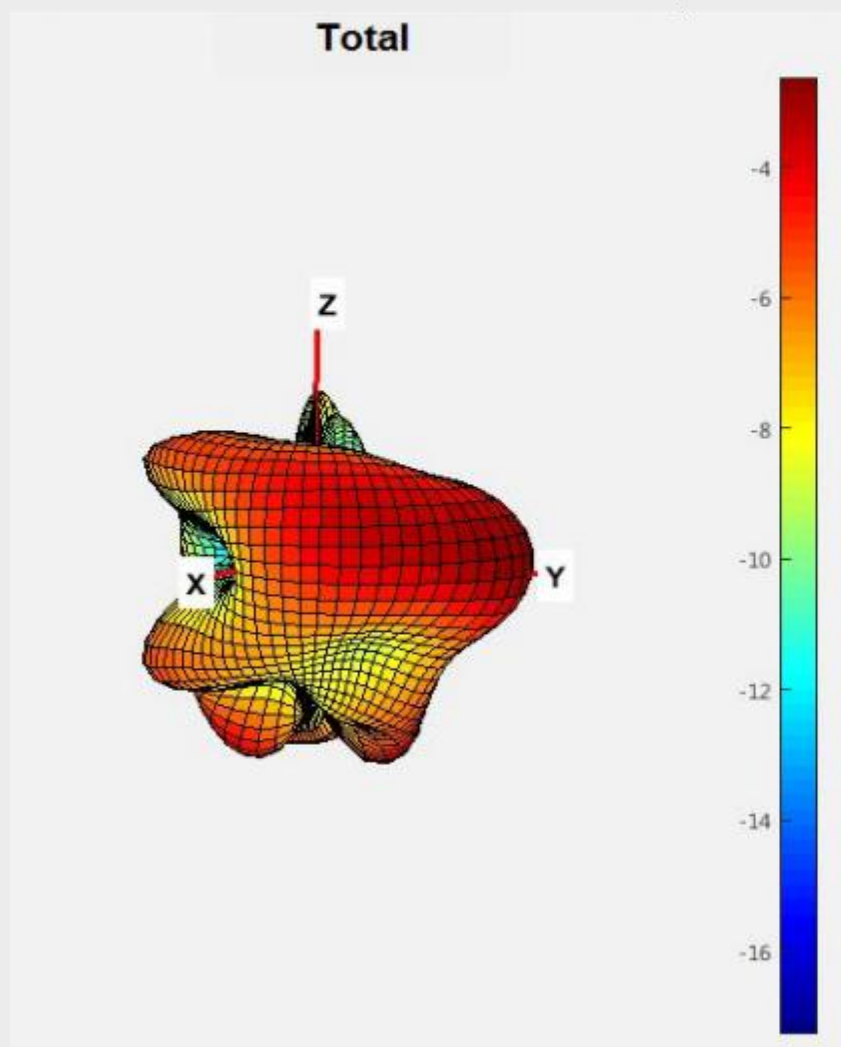
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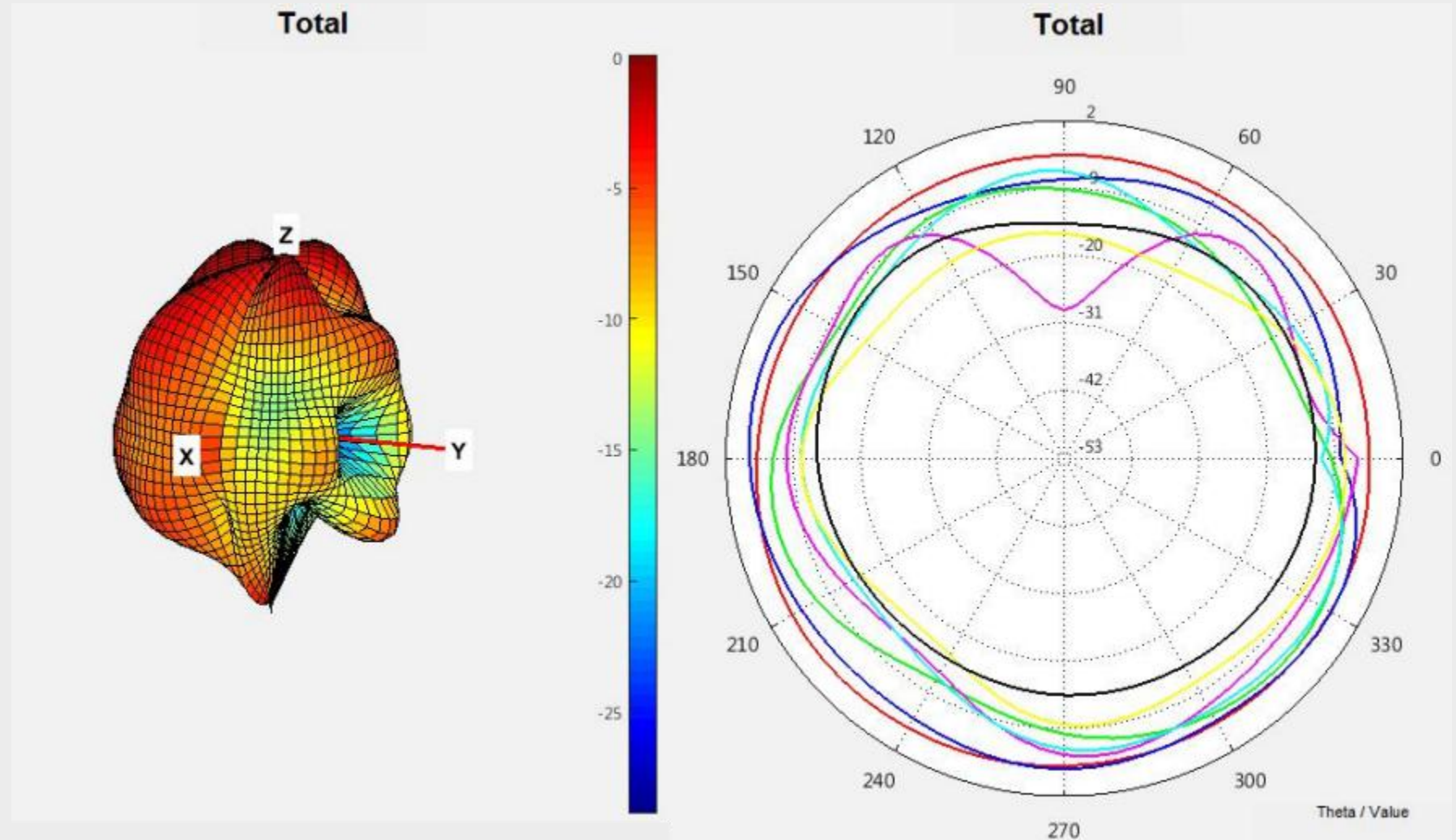
## Effi / Gain ( WIFI )

| Frequency | Efficiency (%) | Gain (dBi) | Frequency | Efficiency (%) | Gain (dBi) |
|-----------|----------------|------------|-----------|----------------|------------|
| 2.4GHz    | 20.13          | -2.81      | 5.15GHz   | 25.61          | 0.36       |
| 2.41GHz   | 20.61          | -3.14      | 5.2GHz    | 23.54          | -0.46      |
| 2.42GHz   | 20.52          | -3.46      | 5.25GHz   | 22.04          | -0.88      |
| 2.43GHz   | 22.93          | -3.62      | 5.3GHz    | 21.87          | -2.52      |
| 2.44GHz   | 22.43          | -3.73      | 5.35GHz   | 21.12          | -2.36      |
| 2.45GHz   | 21.58          | -3.63      | 5.4GHz    | 23.29          | -2.45      |
| 2.46GHz   | 21.8           | -3.54      | 5.45GHz   | 22.81          | -2.34      |
| 2.47GHz   | 21.51          | -3.08      | 5.5GHz    | 22.9           | -2.76      |
| 2.48GHz   | 21.53          | -3.05      | 5.55GHz   | 22.72          | -2.09      |
| 2.49GHz   | 20.36          | -2.28      | 5.6GHz    | 23.08          | -1.97      |
| 2.5GHz    | 20.85          | -2.17      | 5.65GHz   | 25.42          | -1.46      |
|           |                |            | 5.7GHz    | 26.68          | -1.66      |
|           |                |            | 5.75GHz   | 25.25          | -2.14      |
|           |                |            | 5.8GHz    | 24.15          | -3.2       |
|           |                |            | 5.85GHz   | 24.41          | -2.4       |

# Apple Map (WIFI-2450 MHz)



# Apple Map (WIFI-5500 MHz)



contact way



More understanding <http://www.rtant.com> Dongguan (Houjie) -Shanghai (Pudong New Area)

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**Thankyou for yourtrust in Rtant**