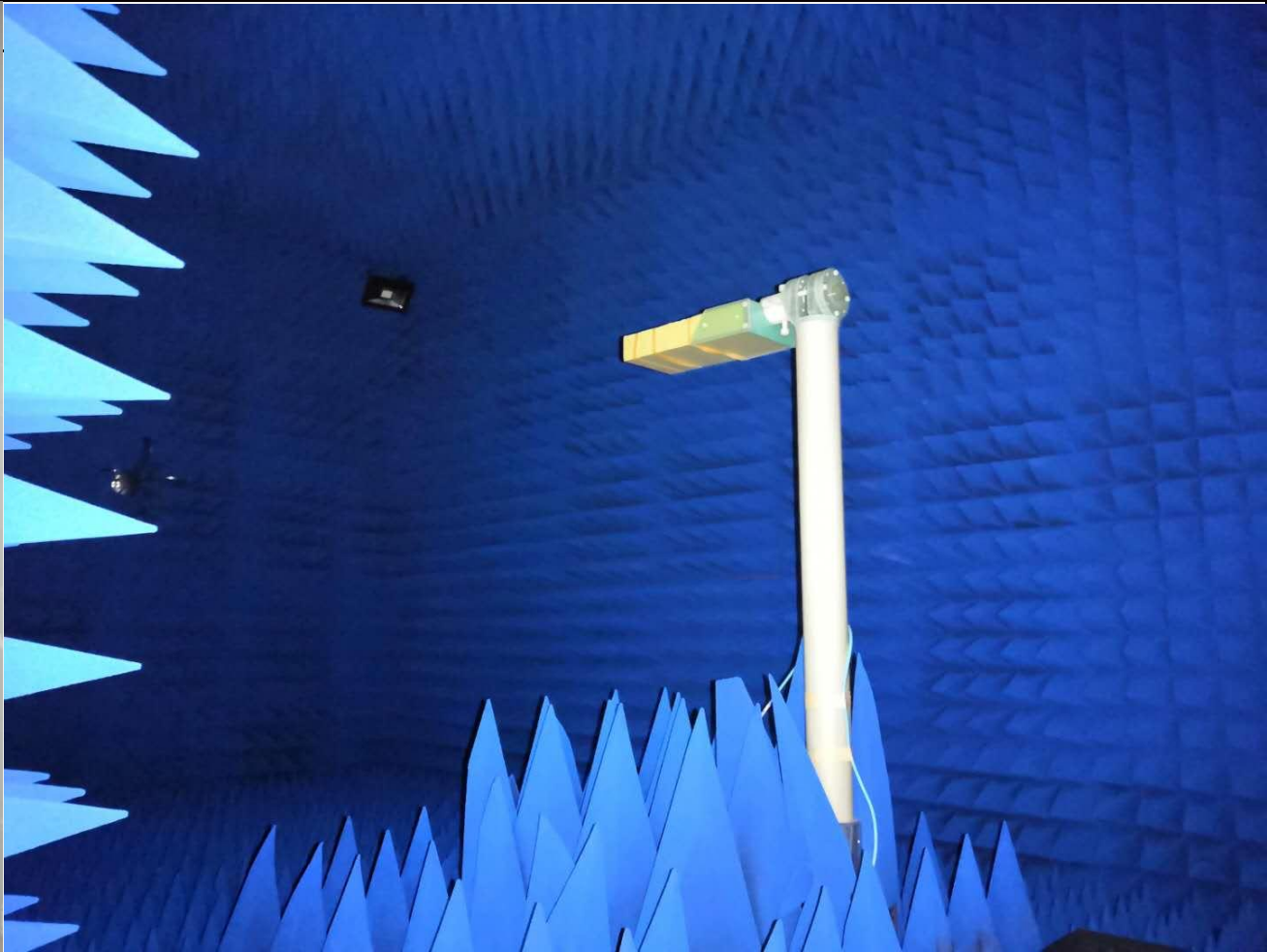


# 1.Test tooling

|                                                |                                          |
|------------------------------------------------|------------------------------------------|
| Vector network analyzer & comprehensive tester | Agelent Techmologies E5071B & R&S CMW500 |
| darkroom                                       | Atenlab M3                               |
| Test Engineer                                  | Zhicheng Zhuang                          |
| 温度                                             | 25℃                                      |

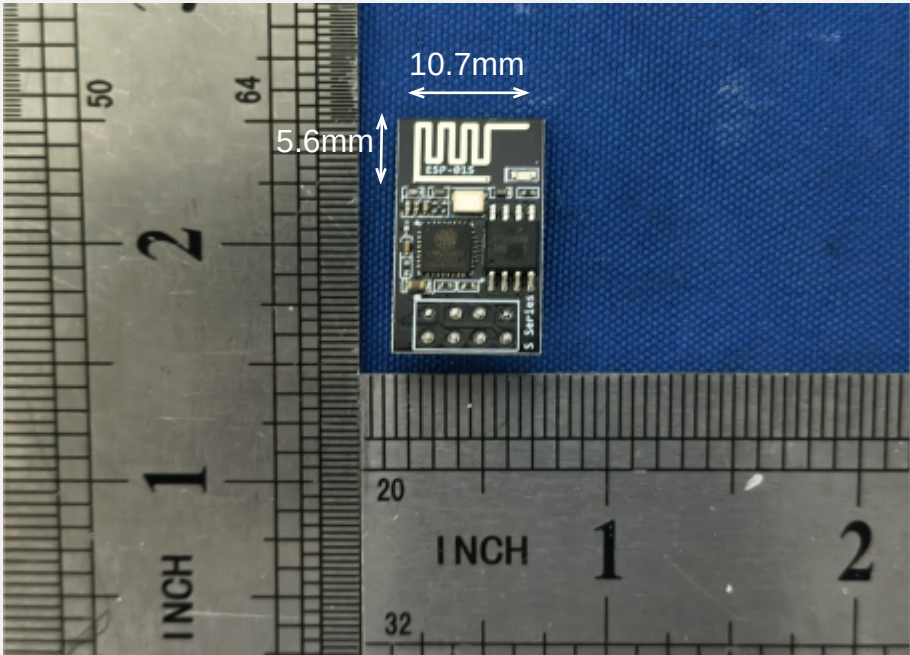




|                |                 |                   |                 |
|----------------|-----------------|-------------------|-----------------|
| Customer       | Junyue          | Item              | K606            |
| frequency band | 2400MHZ-2500MHZ | Antenna Engineer: | Zhongzhu Zhuang |
| Date           | 2025/12/09      | : Tel:            | 13510605042     |

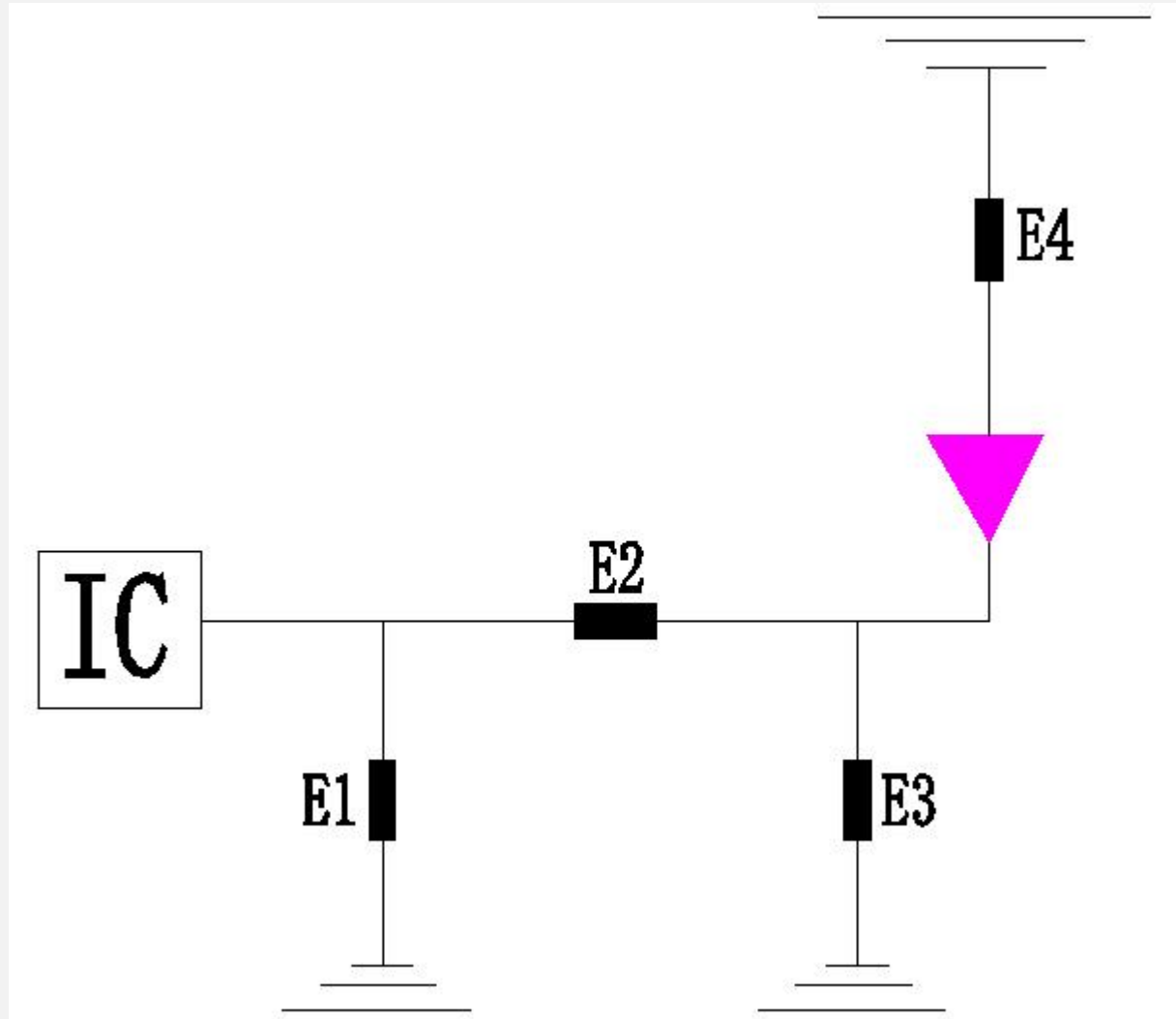
天线信息与图片：

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| antenna manufacture    | Shenzhen Li Tongchuang Technology Co., Ltd.                                         |
| Address:               | Room 605 F6 Huashenghui Commercial Building No.10 Jinhai Road Xixiang Boan Shenzhen |
| Model:                 | K606                                                                                |
| antenna frequency band | 2400MHZ 2485MHZ                                                                     |
| antenna form           | 板载天线                                                                                |
| power supply mode      | 双极                                                                                  |
| Number of feed legs    | 馈电点+馈地点                                                                             |
|                        |                                                                                     |





matching circuit diagram



E01

E02

E03

E04

Antenna model

## Antenna return loss and standing wave ratio

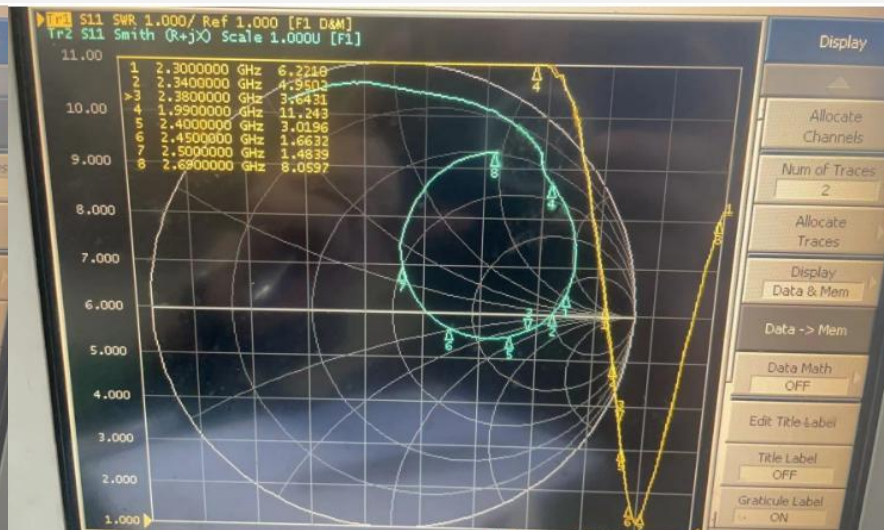
Li Tongchuang ANT S11 parameter Summary

| Band      | 2400–2500 (MHz) |       |        |
|-----------|-----------------|-------|--------|
|           | 2400            | 2450  | 2500   |
| R. L (dB) | -6.02           | -12.2 | -14.36 |
| VSWR      | 3.01            | 1.66  | 1.46   |

LOG



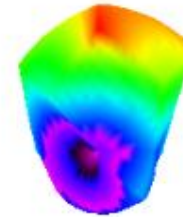
VSWR



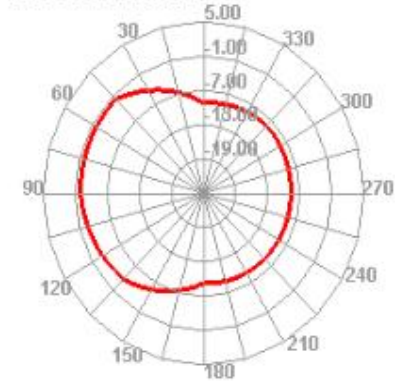
## efficiency gain

| Freq<br>(MHz) | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) |
|---------------|-------------|--------------|---------------|
| 2400          | 25.8        | -5.88        | -1.25         |
| 2410          | 24.17       | -6.17        | -1.57         |
| 2420          | 26.21       | -5.82        | -1.23         |
| 2430          | 25.95       | -5.86        | -1.4          |
| 2440          | 25.33       | -5.96        | -1.62         |
| 2450          | 29          | -5.38        | -1.27         |
| 2460          | 33.65       | -4.73        | -0.6          |
| 2470          | 27.14       | -5.66        | -1.5          |
| 2480          | 30.05       | -5.22        | -0.85         |
| 2490          | 31.69       | -4.99        | -0.47         |
| 2500          | 31.54       | -5.01        | -0.41         |

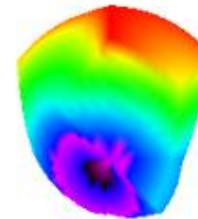
2400.000MHz



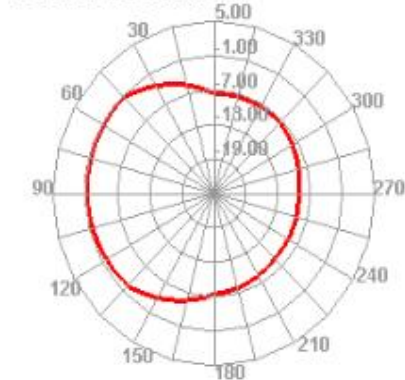
2400.000MHz H



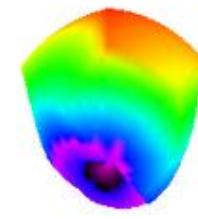
2450.000MHz



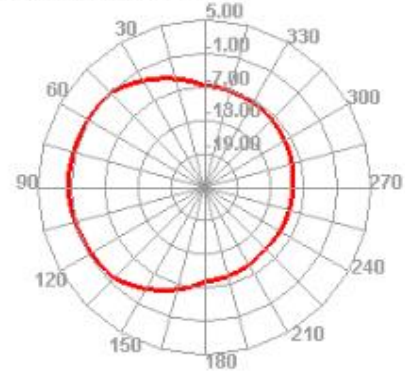
2450.000MHz H



2500.000MHz



2500.000MHz H

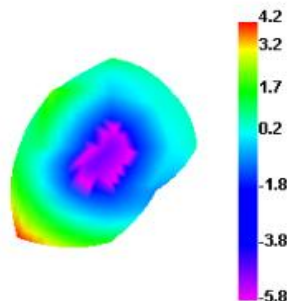


# K606蓝牙耳机OTA自由空间有源测试数据

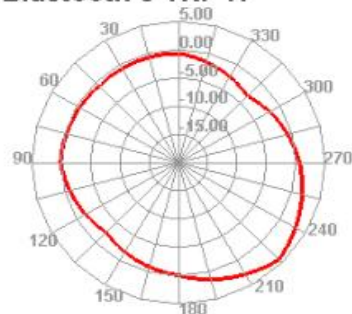
## Bluetooth earphone OTA free-space active test data

| Test Result     | Bluetooth TRP |        |        |
|-----------------|---------------|--------|--------|
|                 | 0             | 39     | 78     |
| Frequency (MHz) | 2402          | 2441   | 2480   |
| TRP(dBm)        | -1.04         | 1.41   | 3.16   |
| NHPRP(dBm) 45   | -1.04         | 1.41   | 3.16   |
| MAX(dBm)        | 4.24          | 5.84   | 6.79   |
| EIRP peak       | 4.24          | 5.84   | 6.79   |
| Min(dBm)        | -9.84         | -5.97  | -4.34  |
| Test Result     | Bluetooth TIS |        |        |
|                 | 0             | 39     | 78     |
| Frequency (MHz) | 2402          | 2441   | 2480   |
| TIS(dBm)        | -81.7         | -83.4  | -86.81 |
| NHPIS(dBm) 45   | -81.7         | -83.4  | -86.81 |
| RSSIAve         | -0.18         | 1.09   | 3.23   |
| MaxPosRSSI      | 3.39          | 2.97   | 4.58   |
| MaxPosSens      | -85.27        | -85.28 | -88.15 |
| MAX(dBm)        | 5.1           | 5.52   | 6.86   |
| EIS peak        | 5.1           | 5.52   | 6.86   |
| Min(dBm)        | -8.98         | -6.29  | -4.27  |

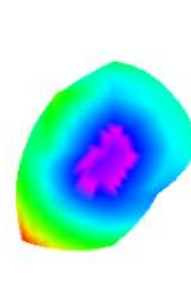
Bluetooth 0 TRP



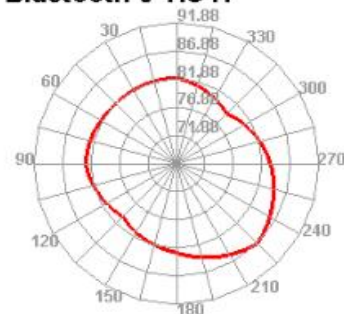
Bluetooth 0 TRP H



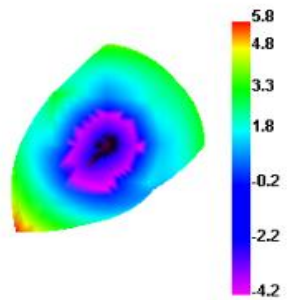
Bluetooth 0 TIS



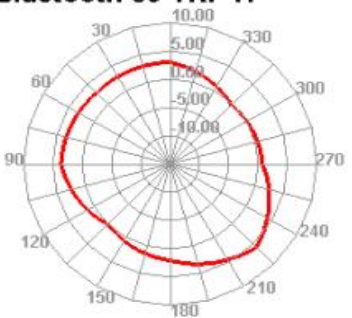
Bluetooth 0 TIS H



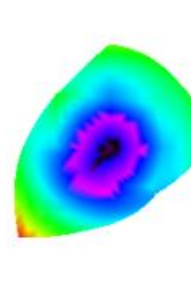
Bluetooth 39 TRP



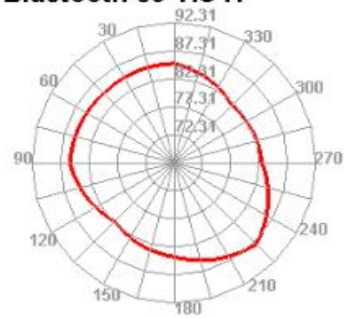
Bluetooth 39 TRP H



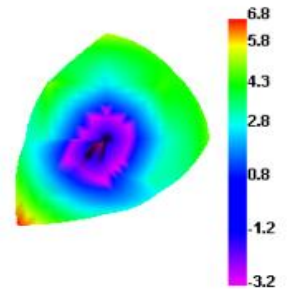
Bluetooth 39 TIS



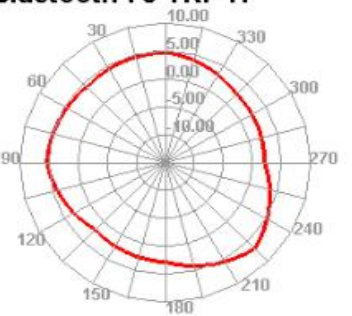
Bluetooth 39 TIS H



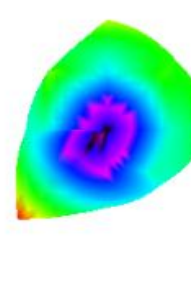
Bluetooth 78 TRP



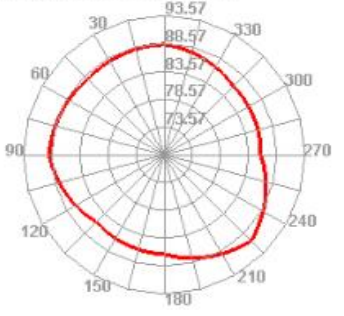
Bluetooth 78 TRP H



Bluetooth 78 TIS



Bluetooth 78 TIS H





**Thank you for  
watching! Happy  
cooperation**

