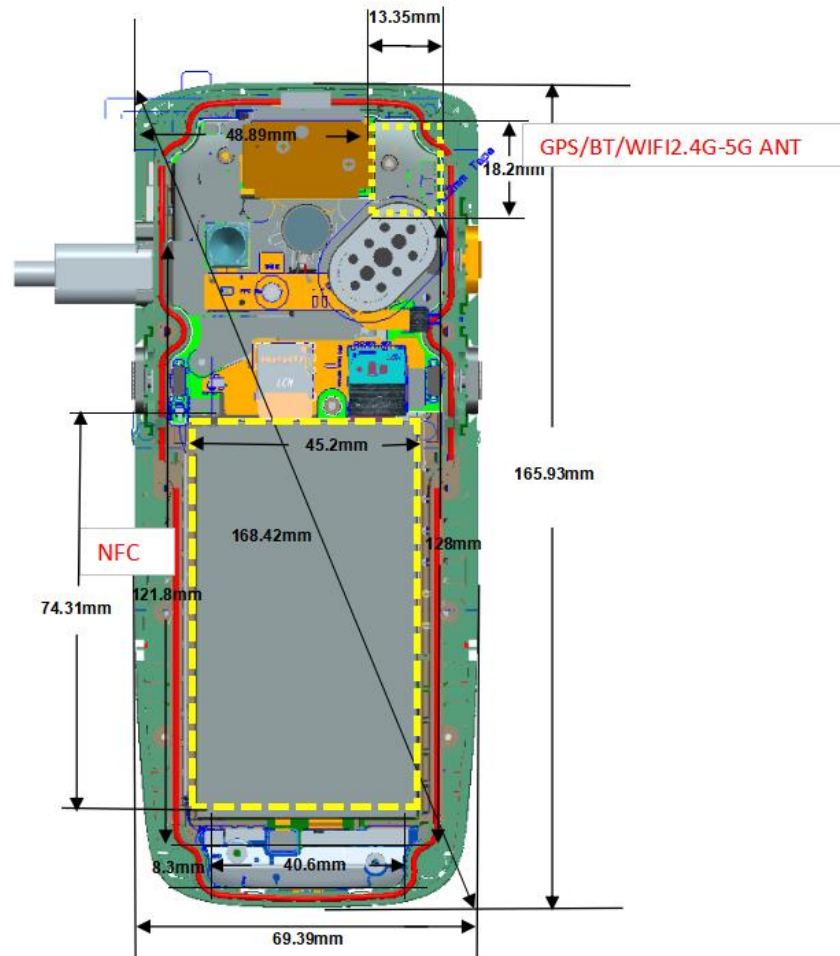




**Antenna model name:**

GPS/2.4G-5G WIFI/BT:XQT418-4IN1-V2.1

NFC: NF-C-F9-R0-183

**Antenna type :PIFA**

**Antenna type :Coil**

**Antenna manufacturer.alian measui=rement agency name:**

GPS/2.4G-5G WIFI/BT: Demen Electronic Technology Co., Ltd.

NFC: INPAQ TECHNOLOGY CO., LTD.

## Test Equipment&Environment

Equipment&Environment:

3D Microwave chamber (7M\*3M\*3M)

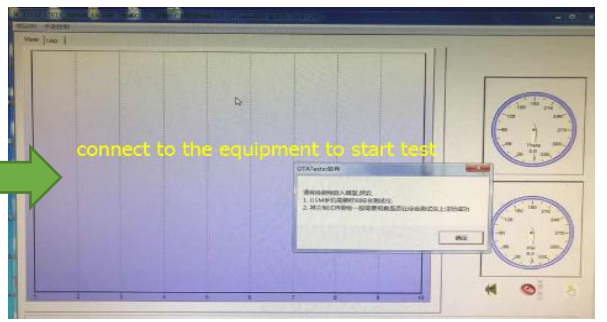
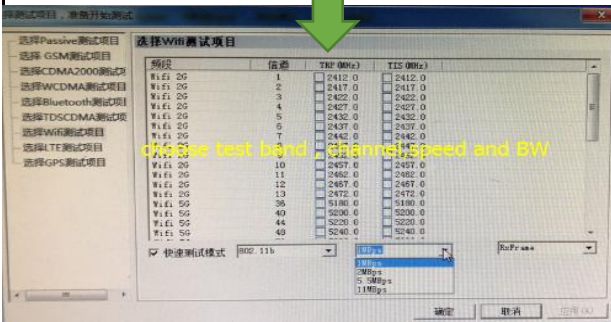
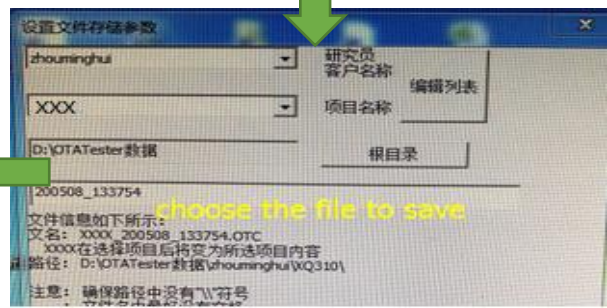
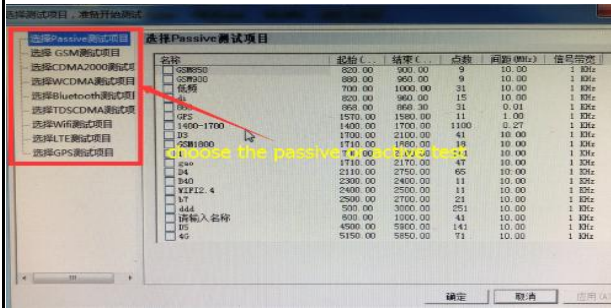
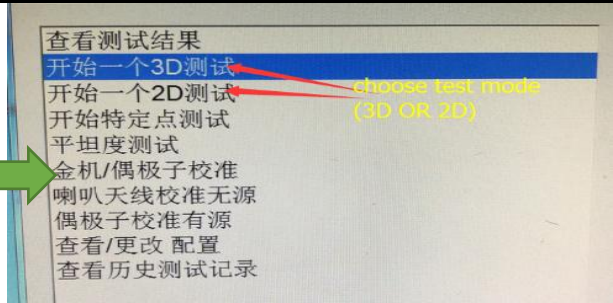
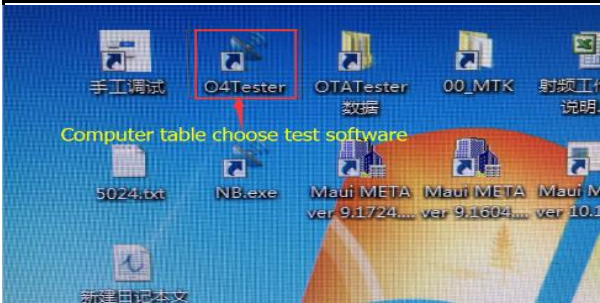
ROHDE&SCHWARZ CMW500

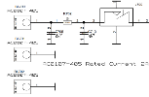
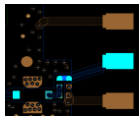
Agilent 8960 SERIES 10 E5515C

KEYSIGHT E5071C Network Analyzer

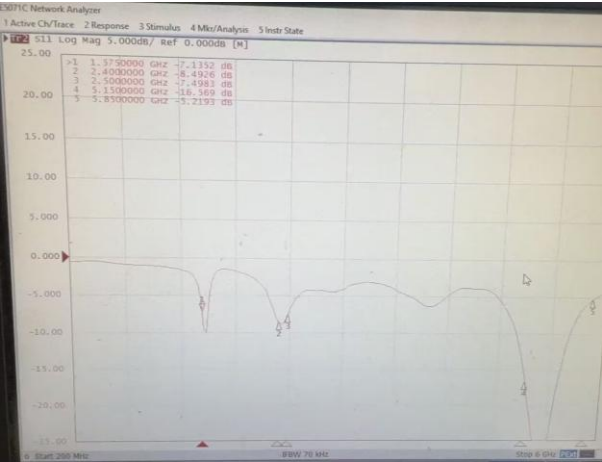


| Test Step |  |
|-----------|--|
|-----------|--|



| GPS-WIFI-BT ANT SCH                                                               | GPS-WIFI-BT ANT LAYOUT                                                            | GPS-WIFI-BT ANT Matching |       |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|-------|--|--|--|--|--|--|--|--|--|--|
|  |  | 主路匹配                     | 主天线   |  |  |  |  |  |  |  |  |  |  |
|                                                                                   |                                                                                   | Element                  | Value |  |  |  |  |  |  |  |  |  |  |
|                                                                                   |                                                                                   | C705                     | NC    |  |  |  |  |  |  |  |  |  |  |
|                                                                                   |                                                                                   | R703                     | 0R    |  |  |  |  |  |  |  |  |  |  |
|                                                                                   |                                                                                   | C713                     | NC    |  |  |  |  |  |  |  |  |  |  |
|                                                                                   |                                                                                   |                          |       |  |  |  |  |  |  |  |  |  |  |

| GPS-WIFI-BT ANT S11 | GPS-WIFI-BT ANT EFFICIENCY |
|---------------------|----------------------------|
|---------------------|----------------------------|



| Fre  | Efifi(db) | Efifi(%) | Peak Gain(dBi) |
|------|-----------|----------|----------------|
| 1550 | -6.01     | 25.07%   | -1.81          |
| 1555 | -5.85     | 26.03%   | -1.67          |
| 1560 | -5.68     | 27.04%   | -1.59          |
| 1565 | -5.47     | 28.39%   | -1.46          |
| 1570 | -5.25     | 29.82%   | -1.28          |
| 1575 | -5.10     | 30.90%   | -1.14          |
| 1580 | -4.95     | 32.00%   | -1.04          |
| 1585 | -4.78     | 33.27%   | -0.97          |
| 1590 | -4.60     | 34.68%   | -0.90          |
| 1595 | -4.50     | 35.46%   | -0.87          |
| 1600 | -4.51     | 35.39%   | -0.89          |
|      |           |          |                |
| 2400 | -3.59     | 43.78%   | 0.95           |
| 2410 | -3.55     | 44.18%   | 0.91           |
| 2420 | -3.40     | 45.69%   | 1.07           |
| 2430 | -3.37     | 46.01%   | 1.08           |
| 2440 | -3.34     | 46.39%   | 1.13           |
| 2450 | -3.36     | 46.16%   | 1.11           |
| 2460 | -3.52     | 44.47%   | 0.96           |
| 2470 | -3.54     | 44.29%   | 0.93           |
| 2480 | -3.50     | 44.63%   | 0.94           |
| 2490 | -3.75     | 42.13%   | 0.70           |
| 2500 | -3.80     | 41.70%   | 0.63           |
|      |           |          |                |
| 5150 | -4.80     | 33.14%   | 0.25           |
| 5200 | -4.79     | 33.16%   | 0.64           |
| 5250 | -4.94     | 32.09%   | 1.02           |
| 5300 | -4.37     | 36.56%   | 1.97           |
| 5350 | -4.69     | 33.97%   | 1.60           |
| 5400 | -4.40     | 36.28%   | 1.46           |
| 5450 | -4.08     | 39.06%   | 1.51           |
| 5500 | -3.82     | 41.51%   | 1.68           |
| 5550 | -4.45     | 35.88%   | 0.77           |
| 5600 | -4.52     | 35.28%   | 1.17           |
| 5650 | -4.13     | 38.67%   | 1.82           |
| 5700 | -4.10     | 38.87%   | 1.96           |
| 5750 | -4.93     | 32.17%   | 0.99           |
| 5800 | -4.80     | 33.15%   | 1.02           |
| 5850 | -5.12     | 30.75%   | 0.63           |

3D场型图

