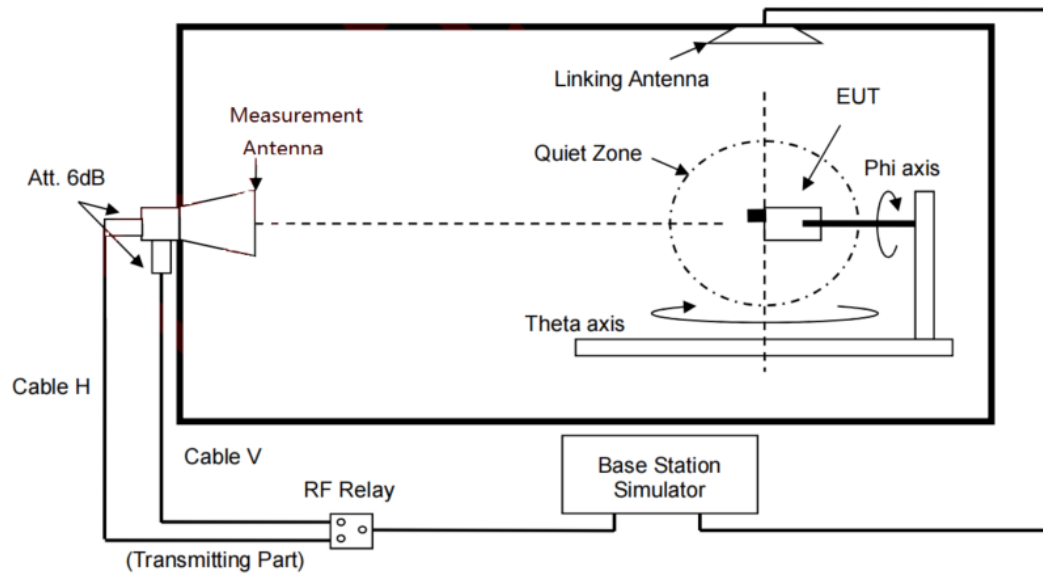
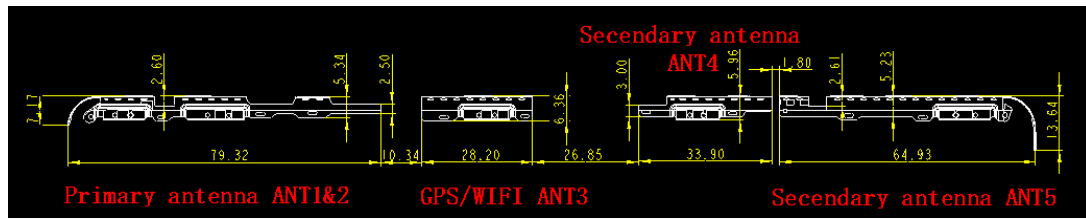


|                                       |  |
|---------------------------------------|--|
| Type and shape of antenna             | IFA Antenna  |
| Directional characteristics           | Omni-directional                                       |
| Deflection Characteristics of Antenna | Linear   |
| Type of connection with transmitter   | antenna shrapnel                                       |
| Manufacturer                          | ShangHai Weierchuang Communication Technology Co., LTD |
| Measuring Organization                | ShangHai Weierchuang Communication Technology Co., LTD |

### 1.EUT Reference Setup

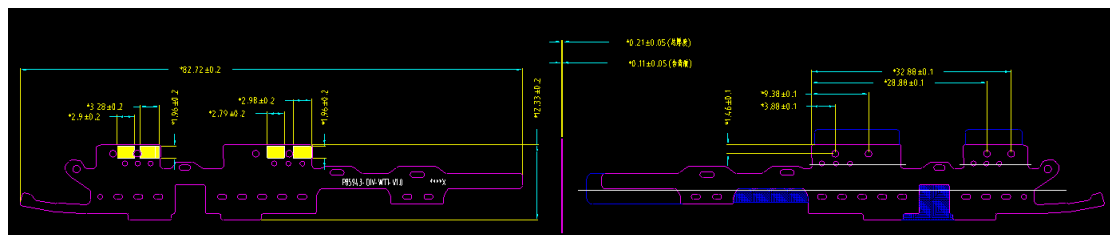


## 2. Antenna distribution

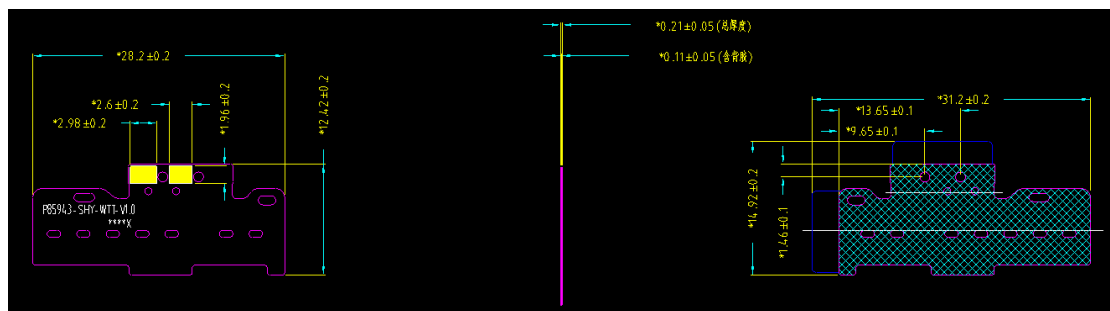


## 3. Antenna Pattern

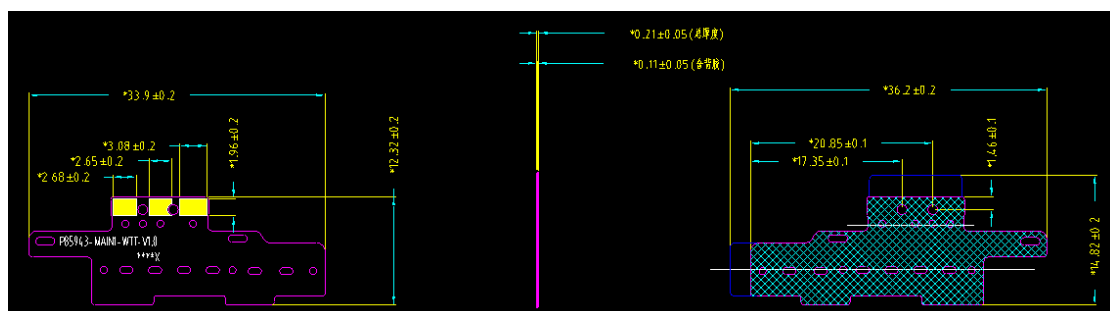
### ANT1&ANT2



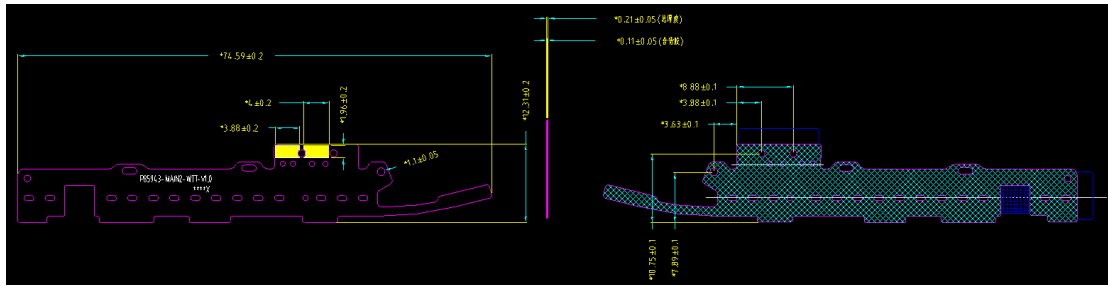
### ANT3



### ANT4



ANT5



Front

Back

4. Antenna Gain:

main

frequency

| Frequency (MHz) | Gain (dBi) |
|-----------------|------------|
| 700             | -1.74      |
| 710             | -1.27      |
| 720             | -1.2       |
| 730             | -1.14      |
| 740             | -1.6       |
| 750             | -2.21      |
| 760             | -2.38      |
| 770             | -2.15      |
| 780             | -2.29      |
| 790             | -2.32      |
| 800             | -1.75      |
| 810             | -1.24      |
| 820             | -1.81      |
| 830             | -2.13      |
| 840             | -2.56      |
| 850             | -2.77      |
| 860             | -3.2       |
| 870             | -3.5       |
| 880             | -3.29      |
| 890             | -3.85      |
| 900             | -3.98      |
| 910             | -4.02      |
| 920             | -4.15      |
| 930             | -4.18      |
| 940             | -4.22      |
| 950             | -4.34      |
| 960             | -4.24      |

| Frequency (MHz) | Gain (dBi) |
|-----------------|------------|
| 1700            | 0.8        |
| 1720            | 0.82       |
| 1740            | 0.84       |
| 1760            | 0.97       |
| 1780            | 0.67       |
| 1800            | 1.28       |
| 1820            | 1          |
| 1840            | 1.89       |
| 1860            | 1.86       |
| 1880            | 1.34       |
| 1900            | 1.61       |
| 1920            | 1.83       |
| 1940            | 2.09       |
| 1960            | 2.1        |
| 1980            | 1.46       |
| 2000            | 0.99       |
| 2020            | 1.13       |
| 2040            | 0.36       |
| 2060            | 0.55       |
| 2080            | -0.02      |
| 2100            | -0.54      |
| 2120            | -1.03      |
| 2140            | -1.44      |
| 2160            | -2.18      |
| 2180            | -1.39      |
| 2200            | -1.69      |

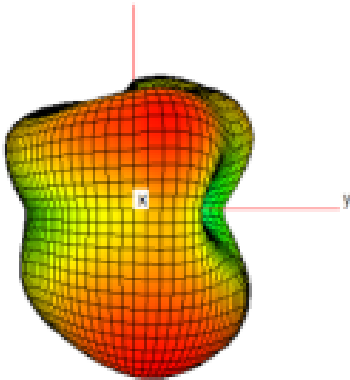
| Frequency (MHz) | Gain (dBi) |
|-----------------|------------|
| 2300            | -0.47      |
| 2320            | -0.48      |
| 2340            | -0.21      |
| 2360            | -0.11      |
| 2380            | 0.16       |
| 2400            | -0.12      |
| 2420            | -0.32      |
| 2440            | -0.63      |
| 2460            | -0.62      |
| 2480            | -0.56      |
| 2500            | -0.81      |
| 2520            | -0.87      |
| 2540            | -1.11      |
| 2560            | -1.18      |
| 2580            | -0.97      |
| 2600            | -0.95      |
| 2620            | -0.98      |
| 2640            | -0.65      |
| 2660            | -0.38      |
| 2680            | 0.45       |
| 2700            | 0.76       |

## GPS/WIFI

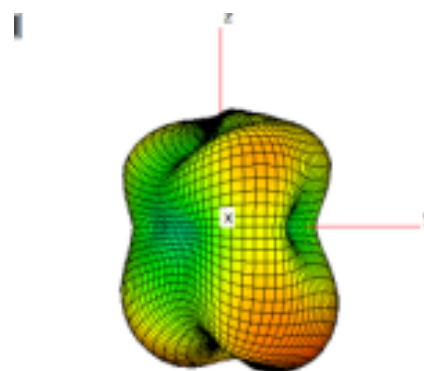
| Frequency<br>(MHz) | Gain<br>(dBi) | Frequency<br>(MHz) | Gain<br>(dBi) |
|--------------------|---------------|--------------------|---------------|
| 1565               | -0.86         | 5100               | -2.85         |
| 1570               | -0.83         | 5150               | -1.57         |
| 1575               | -0.81         | 5200               | -1.06         |
| 1580               | -0.82         | 5250               | -0.38         |
| 1585               | -0.61         | 5300               | 0.43          |
| 2400               | -1.08         | 5350               | 0.58          |
| 2410               | -0.94         | 5400               | 1.27          |
| 2420               | -0.88         | 5450               | 1.74          |
| 2430               | -0.58         | 5500               | 1.34          |
| 2440               | -0.38         | 5550               | 0.47          |
| 2450               | -0.35         | 5600               | 0.17          |
| 2460               | -0.68         | 5650               | -0.51         |
| 2470               | -0.82         | 5700               | -1.55         |
| 2480               | -0.59         | 5750               | -1.39         |
| 2490               | -0.12         | 5800               | -1.88         |
| 2500               | -0.17         | 5850               | -0.78         |
|                    |               | 5900               | -0.82         |

5.3D map

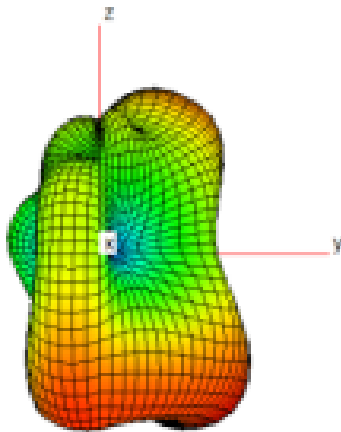
700MHz



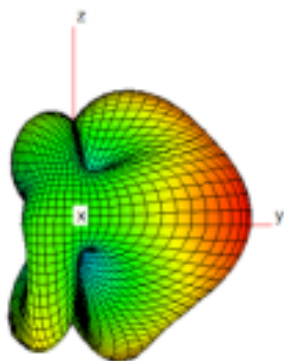
750MHz



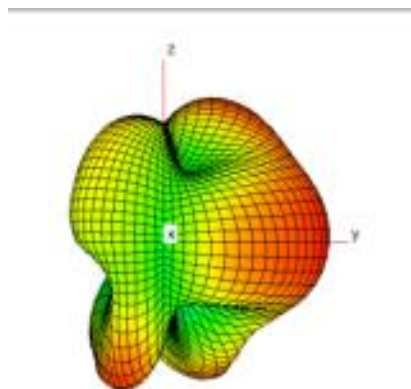
850MHz



1760MHz

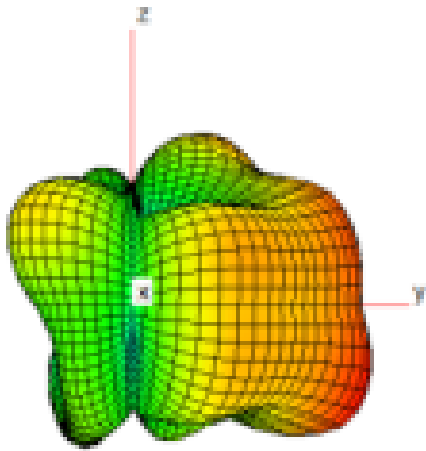


1840MHz

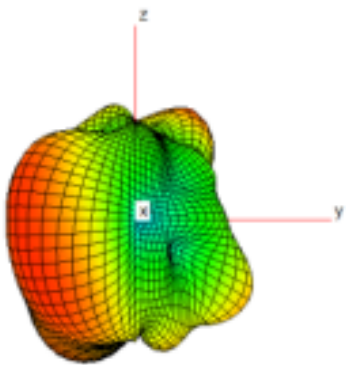


1980MHz

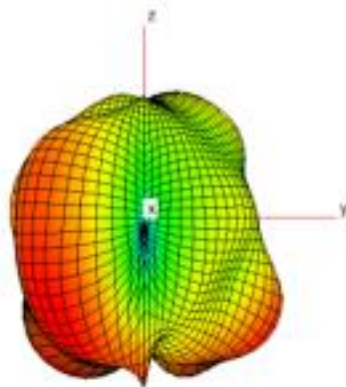
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2550MHz



2610MHz



2650MHz

