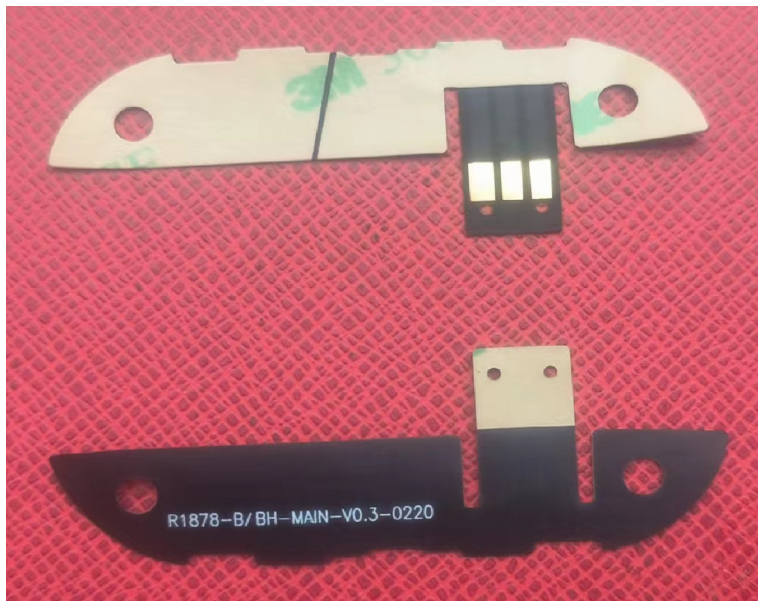


天线型号(Antenna type): FPC antenna

天线制造商(Antenna manufacturer): 永辅通科技（上海）有限公司  
Futen technology (ShangHai) CO.,LTD  
Room 203, Building 1, No. 3408 Xiupu Road, Pudong New Area, Shanghai

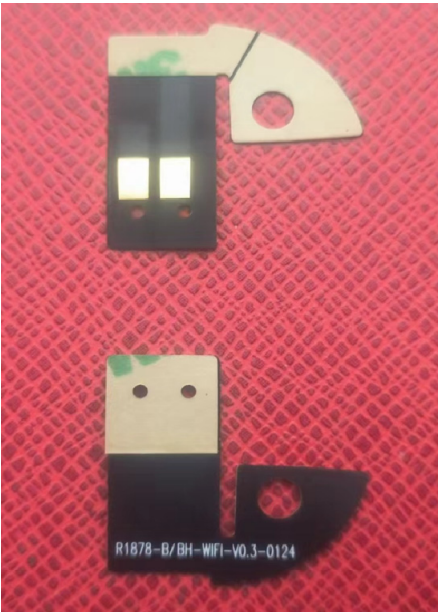
天线照片(Antenna picture):  
主天线 Main ant



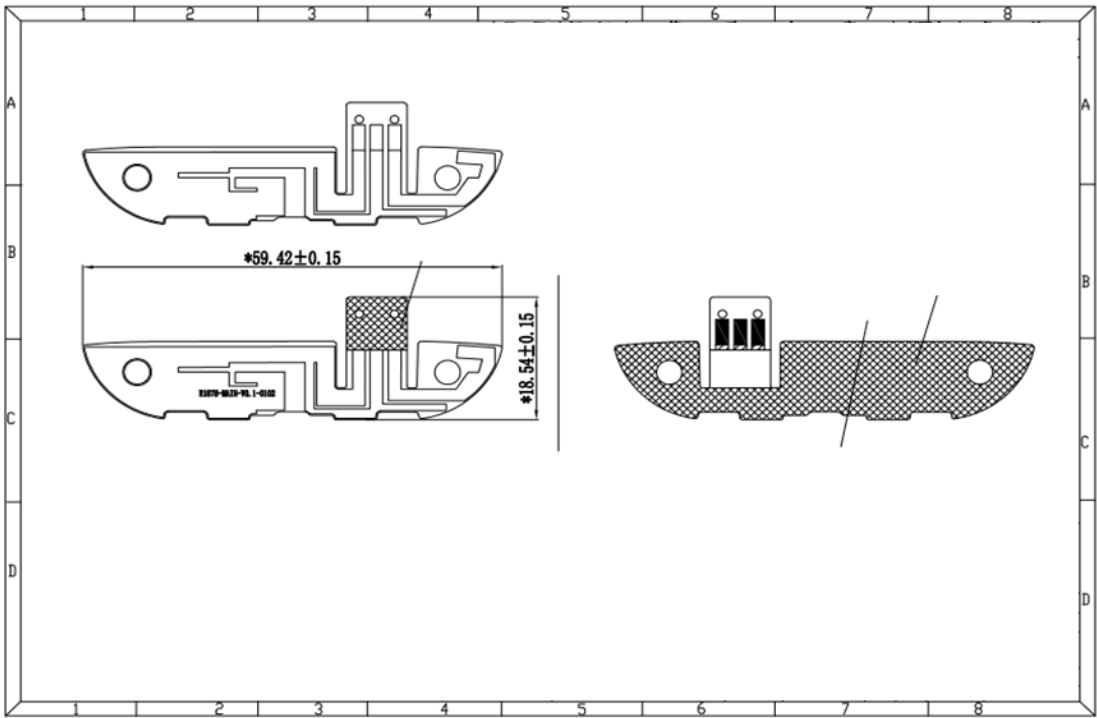
分集天线 DIV ant



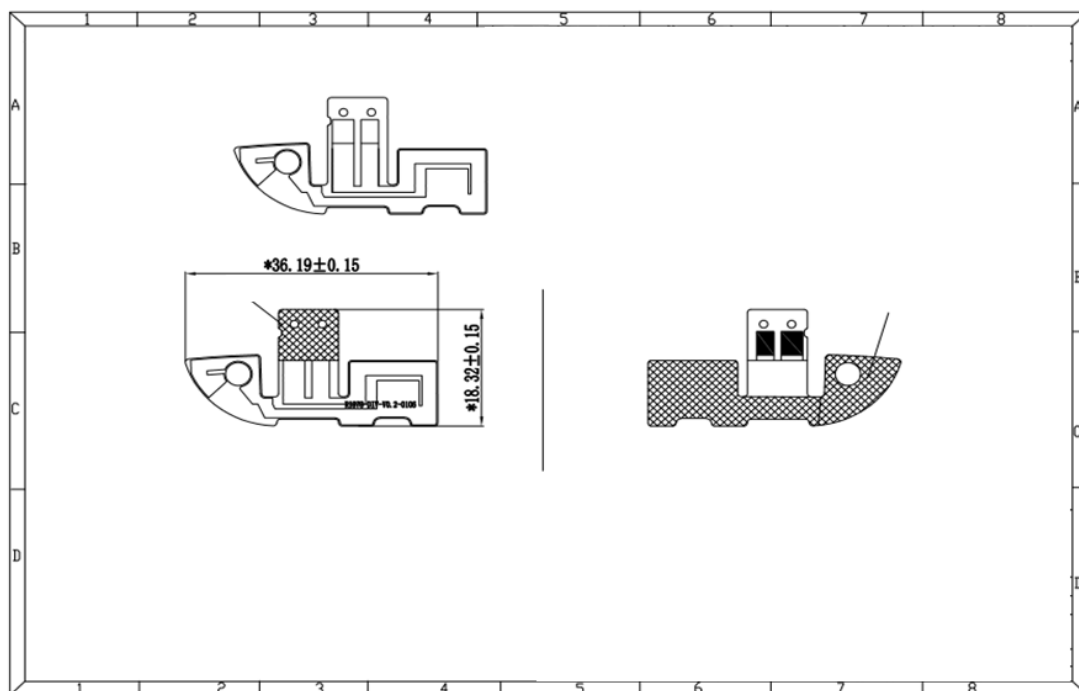
WIFI ant



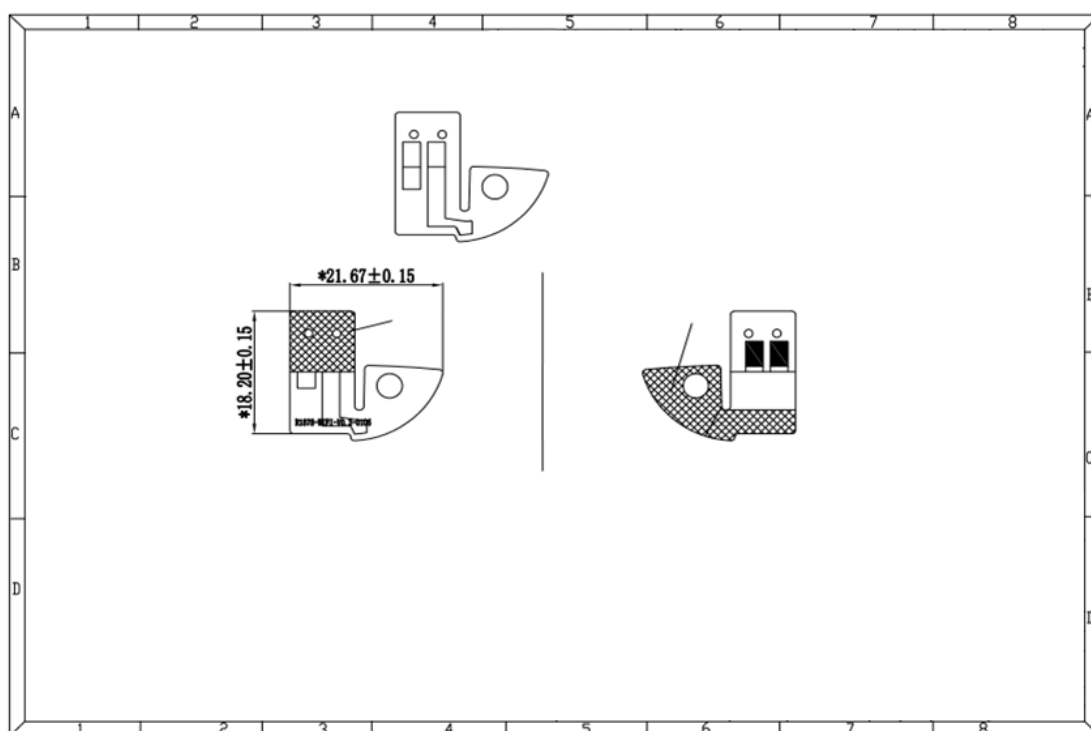
天线尺寸图(Antenna size diagram):



主天线尺寸图  
Main antenna size diagram

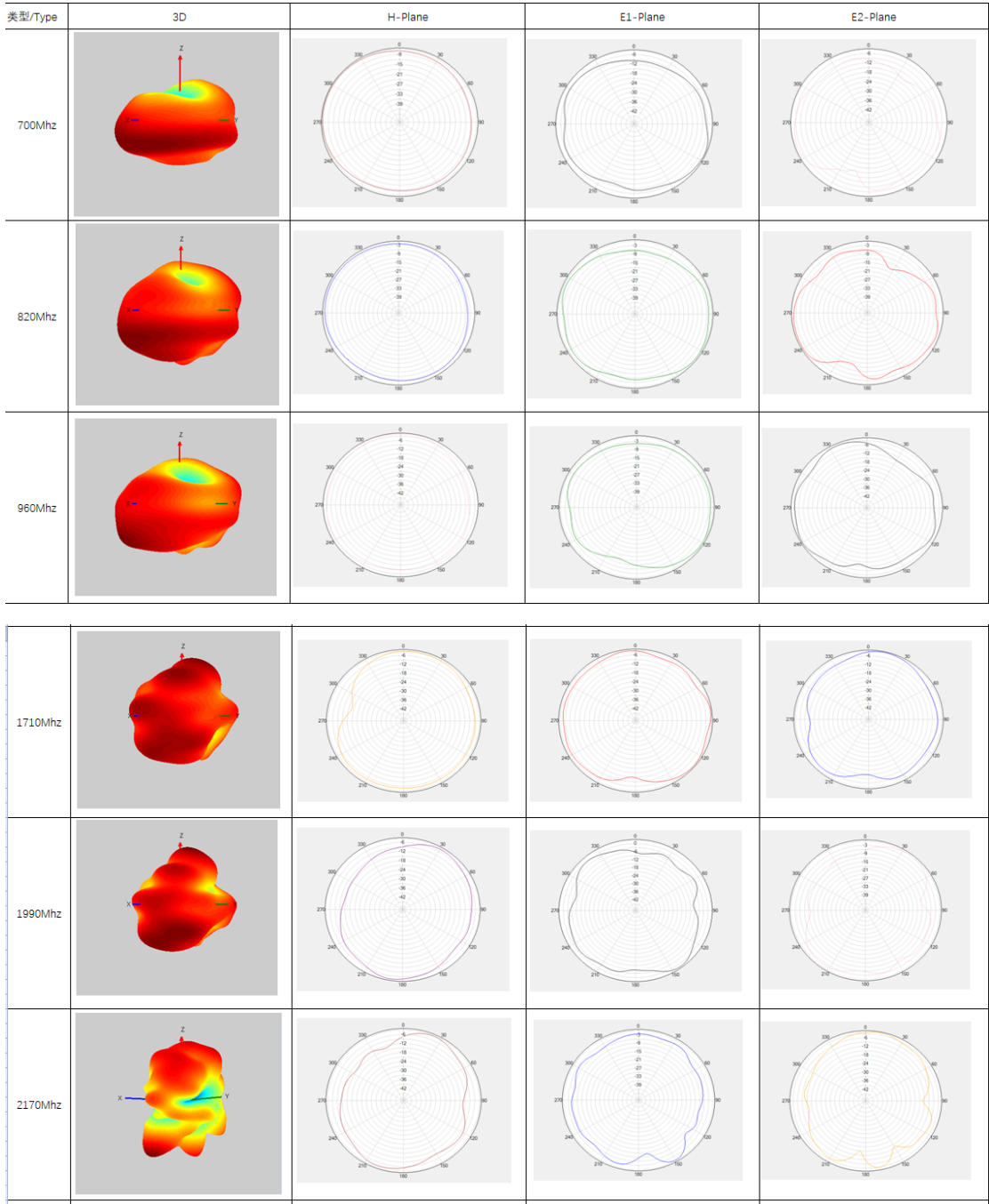


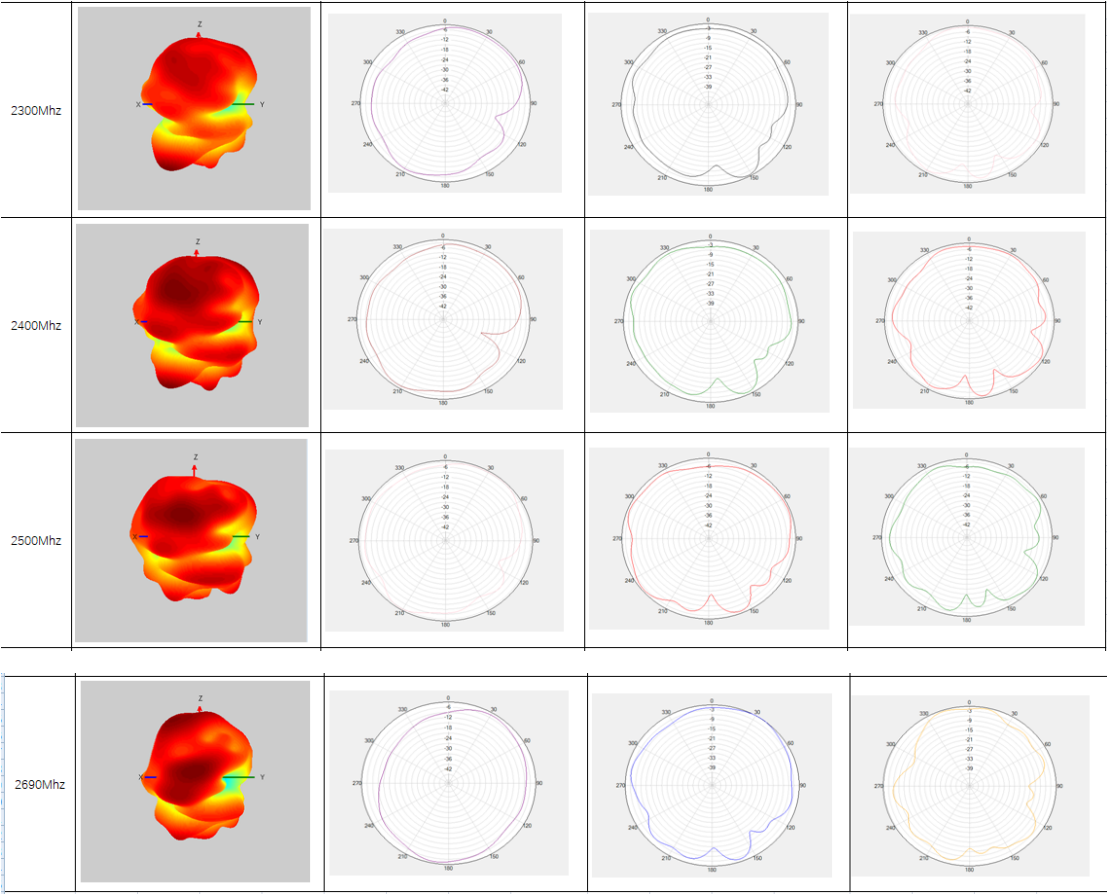
分集天线尺寸图  
Div antenna size diagram



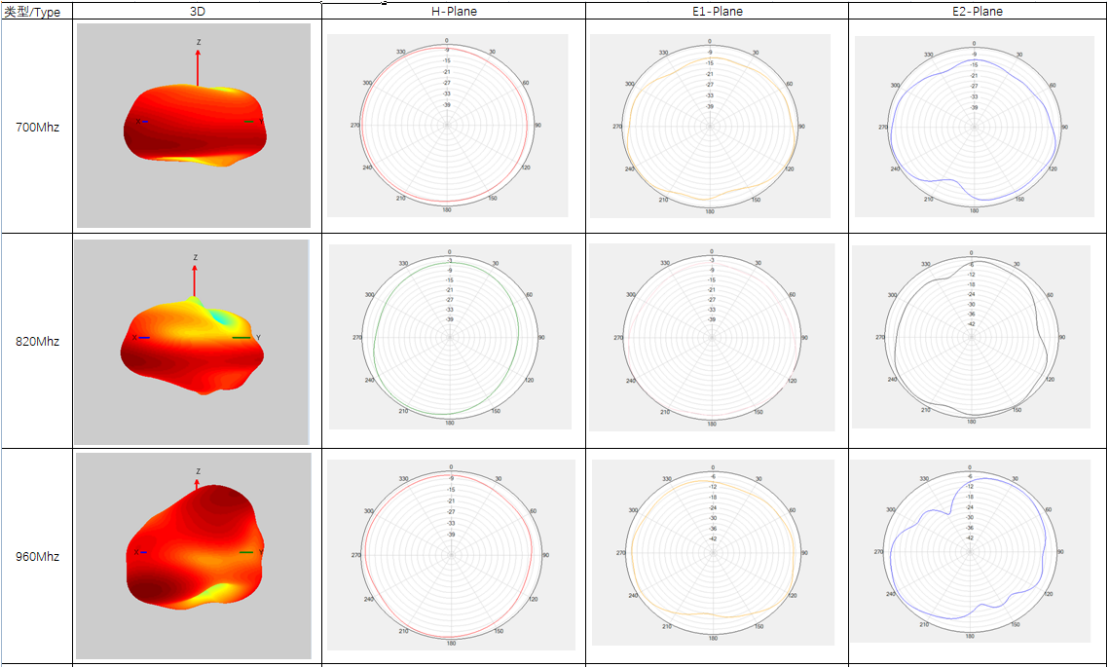
WIFI 天线尺寸图  
WIFI antenna size diagram

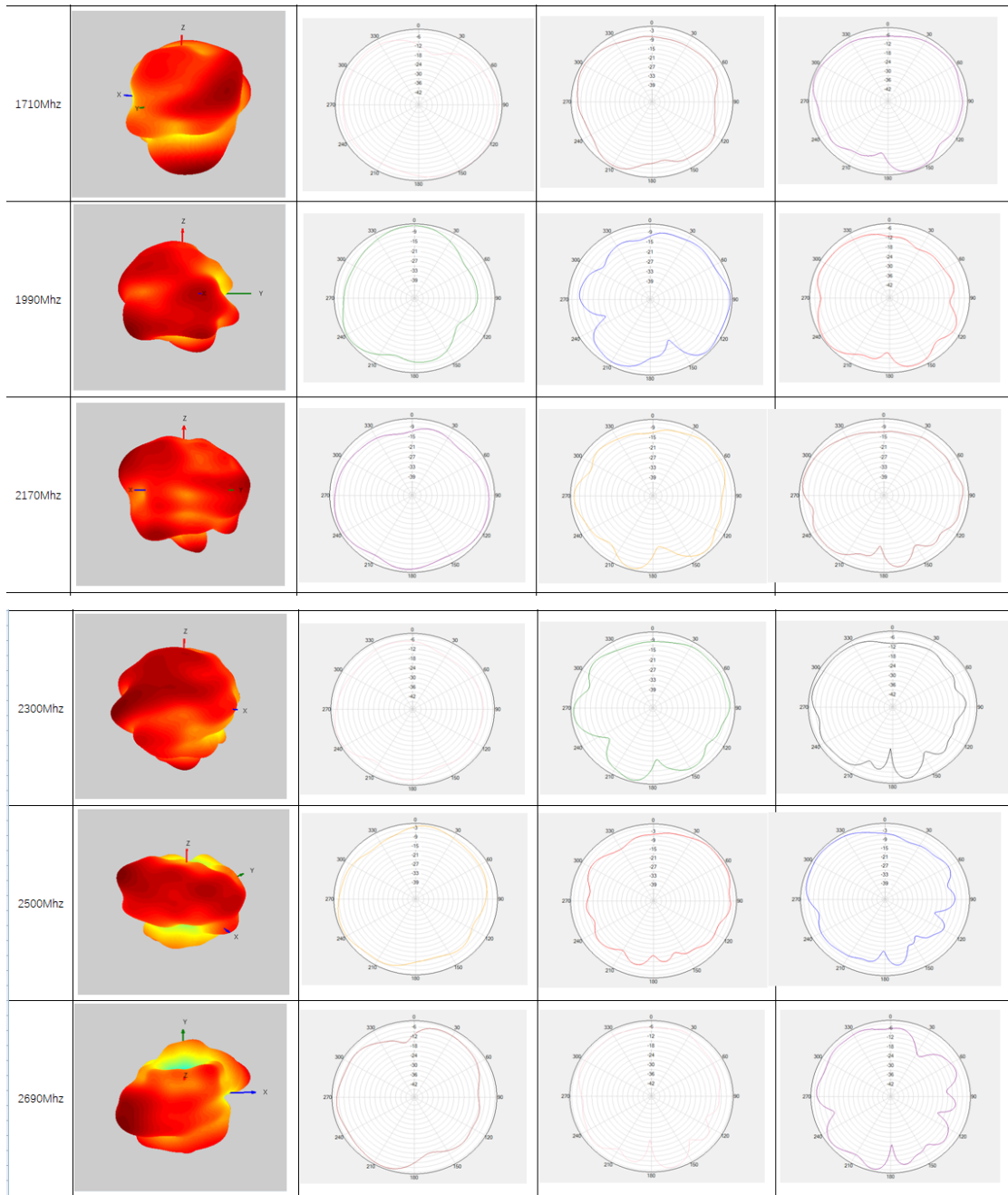
天线方向图(Antenna pattern):  
主天线 Main ant



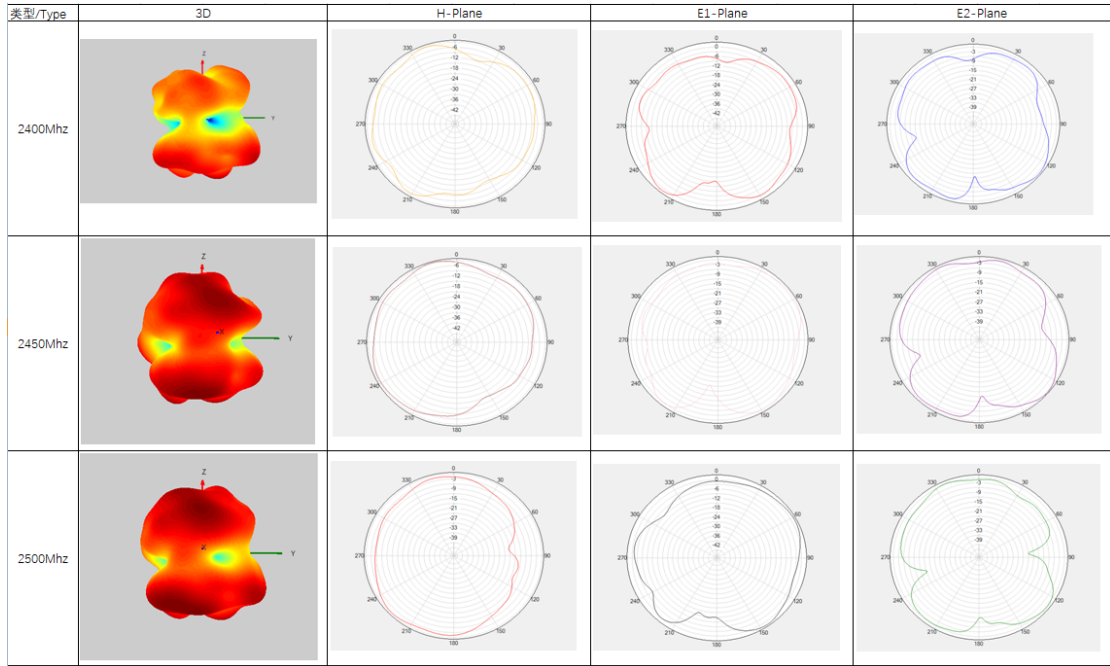


分集天线 DIV ant



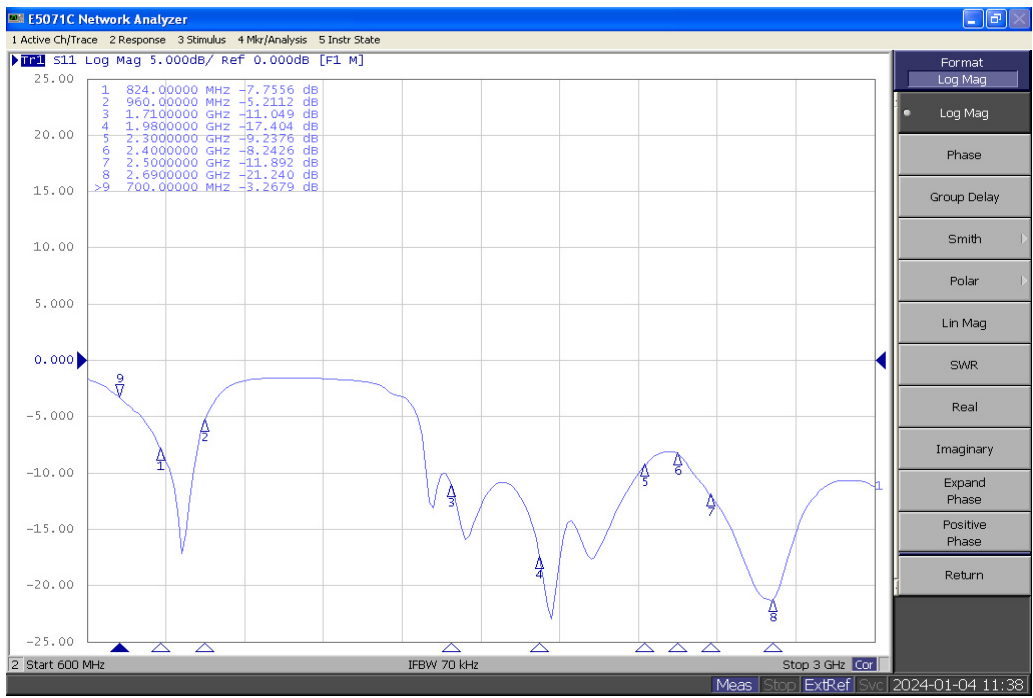


WIFI ant

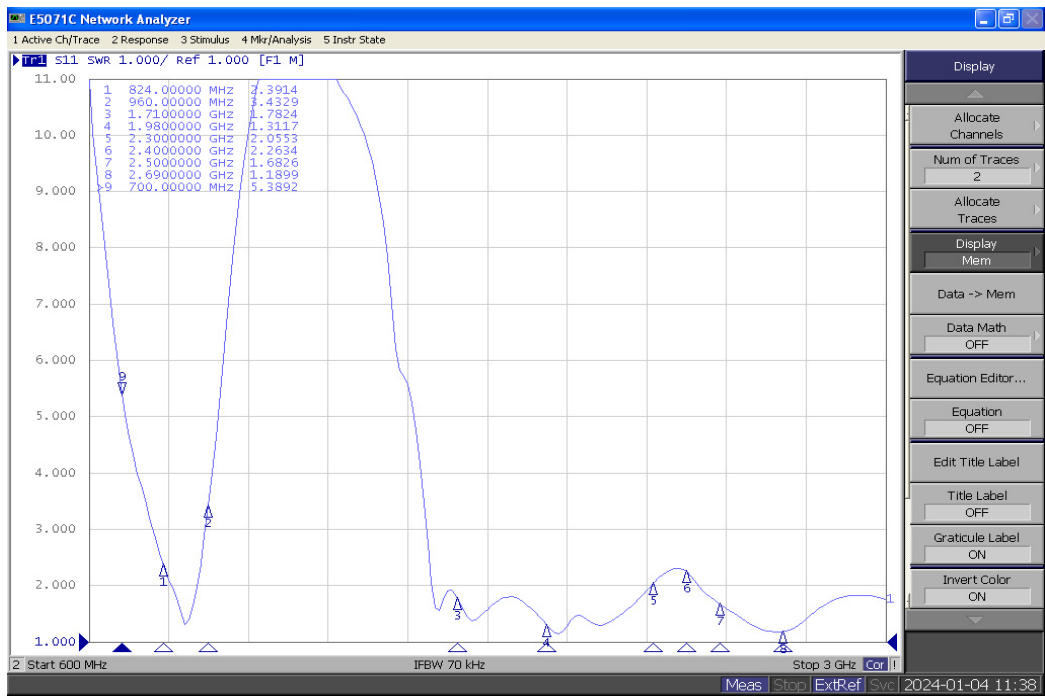


R1878-B (BH) Ant Passive Date  
Main Ant matching: Ant-S 0  $\Omega$ -S 0 $\Omega$ -RF port

Main ant S11



Return Loss

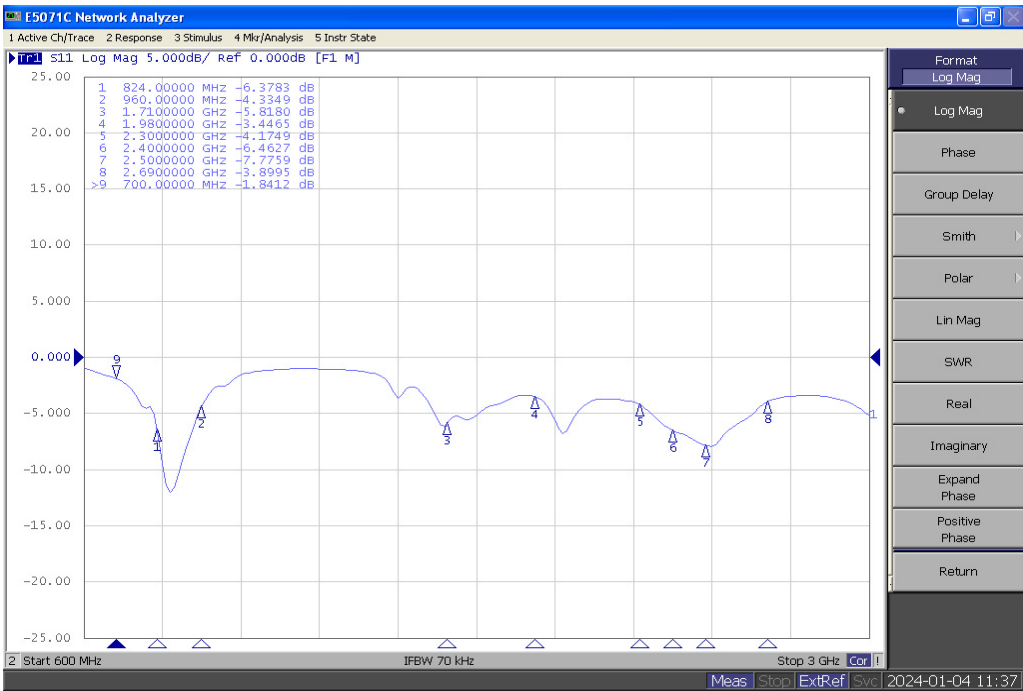


VSWR

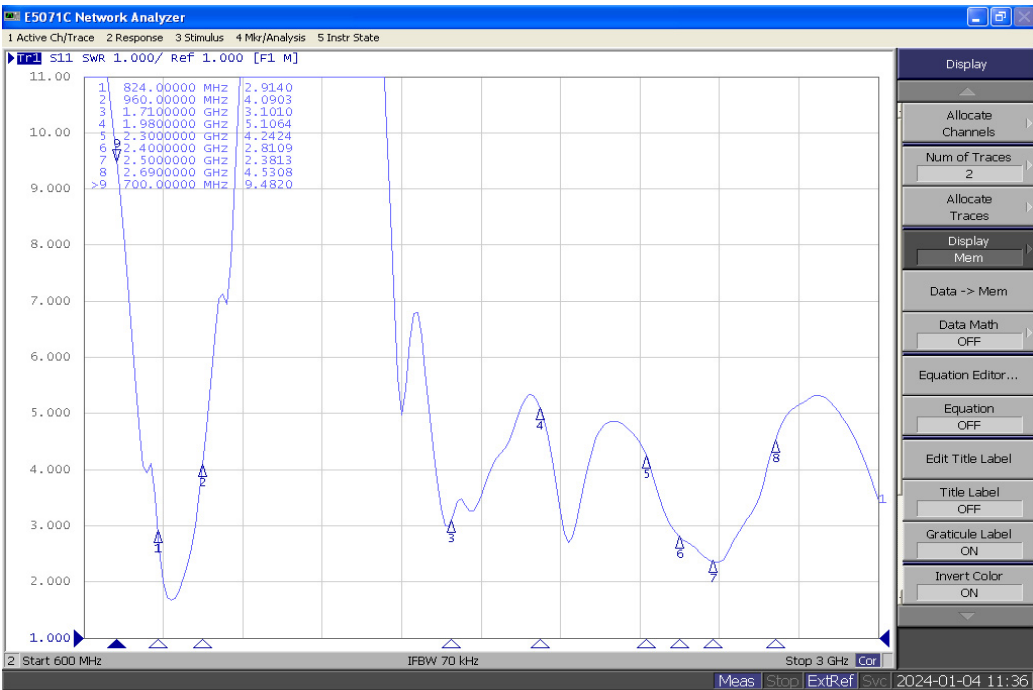
Main Ant GAIN & EFF (%)

| Gain&Efficiency |       |            |           |       |            |           |       |            |
|-----------------|-------|------------|-----------|-------|------------|-----------|-------|------------|
| 增益和效率           |       |            |           |       |            |           |       |            |
| frequency       | gain  | efficiency | frequency | gain  | efficiency | frequency | gain  | efficiency |
| 频率              | 增益    | 效率(%)      | 频率        | 增益    | 效率(%)      | 频率        | 增益    | 效率(%)      |
| (MHz)           | (dBi) |            | (MHz)     | (dBi) |            | (MHz)     | (dBi) |            |
| 700             | -2.01 | 26.68      | 800       | -1.34 | 32.89      | 2090      | -0.03 | 30.02      |
| 720             | -1.9  | 26.99      | 820       | -0.3  | 43.4       | 2170      | -0.39 | 26.93      |
| 740             | -1.81 | 29.74      | 840       | 0.56  | 49.06      | 2300      | -0.62 | 26.15      |
| 760             | -1.86 | 31.39      | 860       | 0.61  | 48.28      | 2380      | -0.94 | 28.31      |
| 780             | -1.48 | 30.46      | 880       | -0.35 | 42.72      | 2400      | -1.22 | 28.82      |
| 800             | -1.8  | 29.18      | 900       | 0.38  | 46.16      | 2420      | -0.21 | 35.01      |
|                 |       |            | 920       | 0.54  | 47.44      | 2440      | -0.59 | 31.96      |
|                 |       |            | 940       | 0.15  | 41.69      | 2480      | -0.58 | 31.22      |
|                 |       |            | 960       | -0.08 | 38.34      | 2500      | 0.19  | 33         |
|                 |       |            | 1710      | -2.19 | 29.34      | 2560      | 0.15  | 31.12      |
|                 |       |            | 1770      | -1.39 | 31.49      | 2580      | 0.39  | 29.95      |
|                 |       |            | 1810      | 0.12  | 37.96      | 2600      | 0.13  | 29.54      |
|                 |       |            | 1850      | 1.82  | 41.46      | 2640      | 0.19  | 29.56      |
|                 |       |            | 1890      | 2.84  | 50.99      | 2660      | 0.25  | 29.59      |
|                 |       |            | 1930      | 3.11  | 51.38      | 2680      | 0.35  | 31.83      |
|                 |       |            | 2070      | 0.66  | 33.28      | 2690      | 0.48  | 33.36      |

DIV Ant  
DIV Ant matching no change  
DIV Ant S11



Return Loss



VSWR

DIV Ant GAIN & EFF (%)

| Gain&Efficiency |         |            |           |         |            |
|-----------------|---------|------------|-----------|---------|------------|
| 增益和效率           |         |            |           |         |            |
| frequency       | gain    | efficiency | frequency | gain    | efficiency |
| (MHz)           | 增益(dBi) | 效率(%)      | 频率(MHz)   | 增益(dBi) | 效率(%)      |
| 820             | -1.79   | 27.76      | 1990      | -2.14   | 21.78      |
| 840             | -0.37   | 32.92      | 2030      | -0.6    | 25.64      |
| 860             | 0.33    | 38.79      | 2070      | -1.75   | 24.95      |
| 880             | 0.49    | 37.12      | 2110      | -0.56   | 30.61      |
| 900             | -0.8    | 34.67      | 2150      | 1.37    | 34.2       |
| 920             | -2.16   | 29.61      | 2300      | -0.89   | 23.84      |
| 940             | -3.2    | 21.82      | 2340      | -1.07   | 22.36      |
| 960             | -4.17   | 16.56      | 2380      | -1.25   | 23.44      |
| 1710            | -0.35   | 31.81      | 2420      | 0.5     | 31.92      |
| 1750            | -0.19   | 36.49      | 2460      | 0.52    | 29.71      |
| 1790            | -1.19   | 29.77      | 2500      | 1.09    | 39.39      |
| 1830            | 0.22    | 36.7       | 2540      | 1.07    | 39.99      |
| 1870            | -0.53   | 33.9       | 2580      | 0.93    | 38.6       |
| 1910            | -1.92   | 23.48      | 2620      | 0.53    | 32.23      |
| 1950            | -1.44   | 26.05      | 2660      | -0.41   | 26.45      |
|                 |         |            | 2690      | -0.15   | 31.24      |

WIFI Ant

WIFI Ant matching: Ant- S 0  $\Omega$  -RF Port

WIFI Ant S11



Return Loss



VSWR

WIFI Ant GAIN & EFF (%)

| Gain&Efficiency |         |            |            |
|-----------------|---------|------------|------------|
| 增益和效率           |         |            |            |
| frequency       | gain    | efficiency | efficiency |
| 频率(MHz)         | 增益(dBi) | 效率(dB)     | 效率(%)      |
| 2400            | 2.69    | -2.8       | 52.5       |
| 2410            | 2.66    | -2.55      | 55.64      |
| 2420            | 2.51    | -2.39      | 57.72      |
| 2430            | 2.06    | -2.62      | 54.64      |
| 2440            | 1.64    | -2.69      | 53.77      |
| 2450            | 1.36    | -2.78      | 52.69      |
| 2460            | 1.49    | -2.79      | 52.56      |
| 2470            | 1.78    | -2.71      | 53.61      |
| 2480            | 1.82    | -2.74      | 53.27      |
| 2490            | 2.19    | -2.46      | 56.77      |
| 2500            | 2.27    | -2.34      | 58.37      |