

# Antenna Acknowledgement

|                           |                                                 |                                                                                                  |                                                |
|---------------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------|
| Applicable model          | H106T-2                                         |                                                                                                  |                                                |
| Customer                  | Shenzhen Zhiteng Yongsheng Technology Co., Ltd. |                                                                                                  |                                                |
| Specification description |                                                 |                                                                                                  |                                                |
|                           | Product content                                 | Specifications                                                                                   |                                                |
| Specification description | 4G antenna                                      | FPC/Black/Character QM-H106T-2-MAIN<br>+ fourth-generation terminalΦ0.81*103mm+conductive cloth  |                                                |
|                           | GPS/WiFi/BT antenna                             | FPC/Black/Character QM-H106T-2-W/G/B<br>+ fourth-generation terminalΦ0.81*142mm+conductive cloth |                                                |
| Change the resume         |                                                 |                                                                                                  |                                                |
| Serial number             | Date                                            | Edition                                                                                          | Brief description of the content of the change |
| One                       | 2025-04-16                                      | V1.0                                                                                             | New project                                    |
| Two                       |                                                 |                                                                                                  |                                                |
| Three                     |                                                 |                                                                                                  |                                                |

|                                       |              |         |          |                                                                           |       |
|---------------------------------------|--------------|---------|----------|---------------------------------------------------------------------------|-------|
| Supplier sample confirmation          |              |         |          |                                                                           |       |
| Research and develop                  | Organization | Check   |          | Decide                                                                    |       |
|                                       |              |         |          | PASS <input checked="" type="checkbox"/><br>FAIL <input type="checkbox"/> |       |
| Customer sample confirmation          |              |         |          |                                                                           |       |
| Electron                              | Organization | Project | Purchase | Character                                                                 | Check |
|                                       |              |         |          |                                                                           |       |
| Reasons for rejection or other notes: |              |         |          |                                                                           |       |

# 1. Electrical performance test report of the main antenna

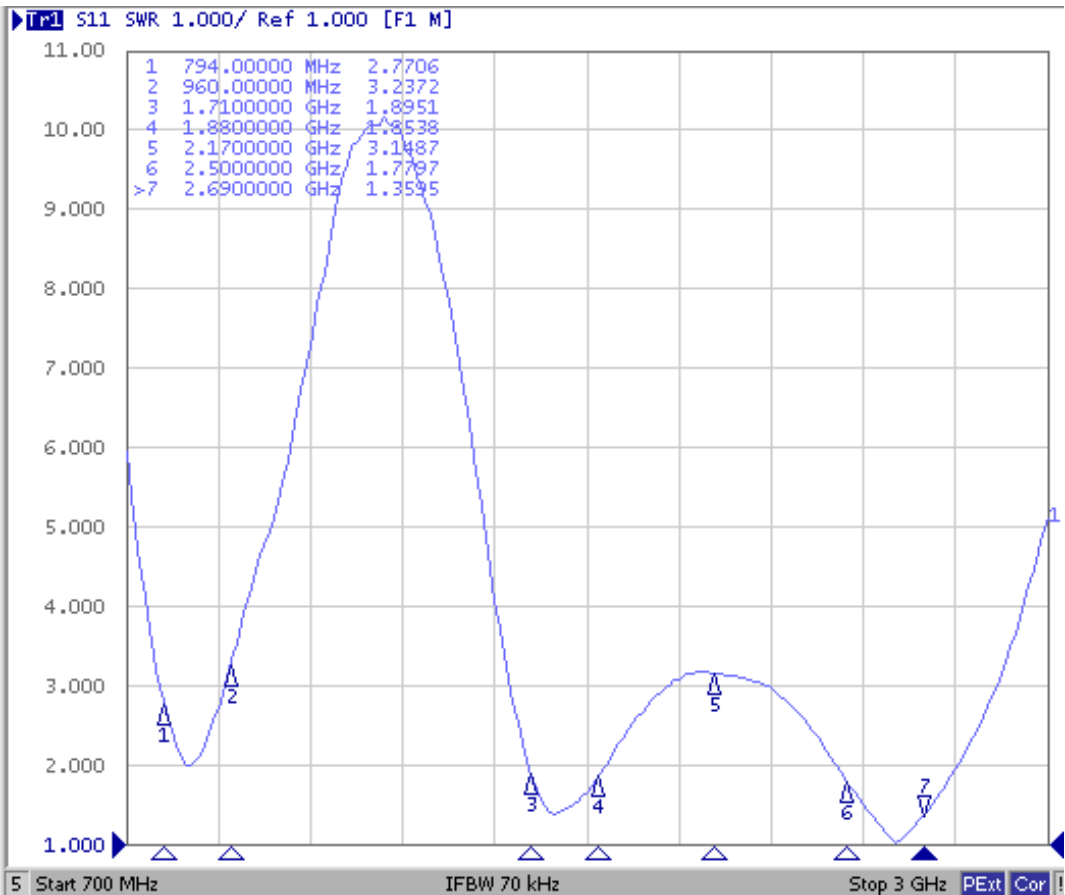
## One .1 Test items and equipment

|                | Test items                                                                      | Equipment                                                                                                              |
|----------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| A passive test | One. VSWR parameters<br>Two. Return loss parameter                              | Network analyzer: HP8753D<br>3D darkroom antenna test system (ETS test system, network analyzer, comprehensive tester) |
| Active test    | One. Transmission power<br>Two. Receiving level<br>Three. Receiving sensitivity | Comprehensive tester: Agilent E5515C<br>3D darkroom antenna test system (ETS test system, comprehensive tester)        |

## 1.2 GSM passive test report

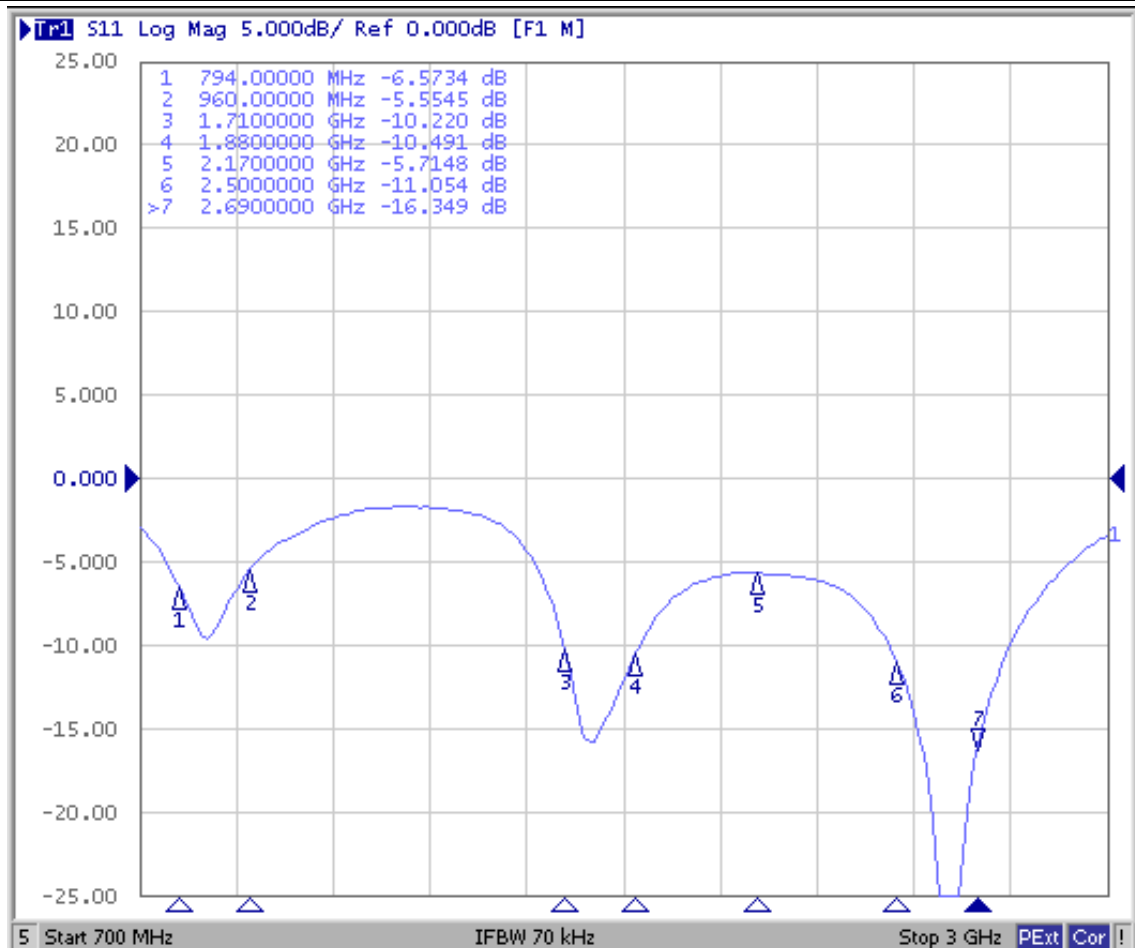
### VSWR parameter value

| Frequency (MHZ) | 794 | 960  | 1710 | 1880 | 2170 | 2500 | 2690 |
|-----------------|-----|------|------|------|------|------|------|
| RL              | 2.7 | 1.71 | 1.8  | 1.8  | 3.1  | 1.7  | 1.3  |



Return loss parameter value

| Frequency (MHZ) | 794  | 960  | 1710  | 1880  | 2170                       | 2500 | 2690  |
|-----------------|------|------|-------|-------|----------------------------|------|-------|
| RL (dBm)        | -6.5 | -5.5 | -10.2 | -10.4 | -5.7 ULZ<br>000105 -<br>11 | -11  | -16.3 |



## 2. Matching circuit description

According to your company's original matching circuit, no changes have been made.

### 3. Test report

|           | GSM900 |        |         |  | PCS1900 |        |          |
|-----------|--------|--------|---------|--|---------|--------|----------|
| Channel   | 1      | 62     | 120     |  | 512     | 661    | 810      |
| TRP (dBm) | 17. 64 | 17. 52 | 17. 39  |  | 23. 42  | 23. 56 | 22. 46   |
| TIS (dBm) |        |        | -92. 88 |  |         |        | -102. 19 |
|           | GSM850 |        |         |  |         |        |          |
| Channel   | 128    | 190    | 251     |  |         |        |          |
| TRP (dBm) | 19. 11 | 18. 98 | 19. 16  |  |         |        |          |
| TIS (dBm) |        |        | -94. 36 |  |         |        |          |

|           | W1     |        |          |  | W2     |        |          |
|-----------|--------|--------|----------|--|--------|--------|----------|
| Channel   | 9612   | 9750   | 9888     |  | 9262   | 9400   | 9538     |
| TRP (dBm) | 17. 24 | 17. 15 | 16. 94   |  | 17. 55 | 17. 17 | 17. 01   |
| TIS (dBm) |        |        | -102. 17 |  |        |        | -102. 74 |
|           | W5     |        |          |  | W8     |        |          |
| Channel   | 4132   | 4185   | 4233     |  | 2712   | 2788   | 2863     |
| TRP (dBm) | 11. 38 | 11. 29 | 11. 18   |  | 10. 73 | 10. 58 | 10. 49   |
| TIS (dBm) |        |        | -93. 81  |  |        |        | -93. 34  |

|           | B1     |        |         |  | B2     |        |         |
|-----------|--------|--------|---------|--|--------|--------|---------|
| Channel   | 18050  | 18300  | 18550   |  | 18650  | 18900  | 19150   |
| TRP (dBm) | 16. 71 | 16. 68 | 17. 17  |  | 17. 35 | 17. 46 | 17. 24  |
| TIS (dBm) |        |        | -90. 61 |  |        |        | -89. 68 |
|           | B4     |        |         |  | B5     |        |         |
| Channel   | 20000  | 20175  | 20350   |  | 20450  | 20525  | 20600   |
| TRP (dBm) | 17. 33 | 17. 61 | 17. 42  |  | 11. 29 | 11. 22 | 11. 11  |
| TIS (dBm) |        |        | -89. 86 |  |        |        | -83. 29 |

|           | B7     |        |         |  | B12    |        |         |
|-----------|--------|--------|---------|--|--------|--------|---------|
| Channel   | 20800  | 21100  | 21400   |  | 23060  | 23095  | 23130   |
| TRP (dBm) | 17. 66 | 17. 2  | 16. 94  |  | 11. 24 | 11. 45 | 12. 59  |
| TIS (dBm) |        |        | -90. 51 |  |        |        | -82. 39 |
|           | B13    |        |         |  | B17    |        |         |
| Channel   | 23205  | 23230  | 23255   |  | 23780  | 23790  | 23800   |
| TRP (dBm) | 11. 61 | 11. 73 | 12. 01  |  | 11. 21 | 11. 59 | 11. 92  |
| TIS (dBm) |        |        | -82. 49 |  |        |        | -83. 42 |

|           | B25    |        |        |  | B26    |        |        |
|-----------|--------|--------|--------|--|--------|--------|--------|
| Channel   | 26090  | 26365  | 26640  |  | 26740  | 26865  | 26990  |
| TRP (dBm) | 17. 05 | 16. 97 | 17. 14 |  | 12. 23 | 11. 31 | 11. 12 |

|           |        |        |         |  |        |        |         |
|-----------|--------|--------|---------|--|--------|--------|---------|
| TIS       |        |        | -89. 71 |  |        |        | -82. 25 |
|           | B28    |        |         |  | B66    |        |         |
| Channel   | 27260  | 27435  | 27610   |  | 132022 | 132322 | 132622  |
| TRP (dBm) | 11. 58 | 11. 74 | 12. 01  |  | 17. 52 | 17. 59 | 16. 97  |
| TIS (dBm) |        |        | -84. 21 |  |        |        | -89. 12 |

|           |        |        |         |  |        |        |         |
|-----------|--------|--------|---------|--|--------|--------|---------|
|           | B34    |        |         |  | B38    |        |         |
| Channel   | 36250  | 36275  | 36300   |  | 37850  | 38000  | 38150   |
| TRP (dBm) | 17. 38 | 17. 65 | 17. 26  |  | 17. 26 | 17. 14 | 16. 98  |
| TIS (dBm) |        |        | -90. 12 |  |        |        | -89. 78 |
|           | B39    |        |         |  | B40    |        |         |
| Channel   | 38350  | 38450  | 38550   |  | 38750  | 39150  | 39550   |
| TRP (dBm) | 17. 23 | 17. 29 | 17. 19  |  | 16. 87 | 16. 94 | 17. 02  |
| TIS (dBm) |        |        | -90. 31 |  |        |        | 89. 33  |

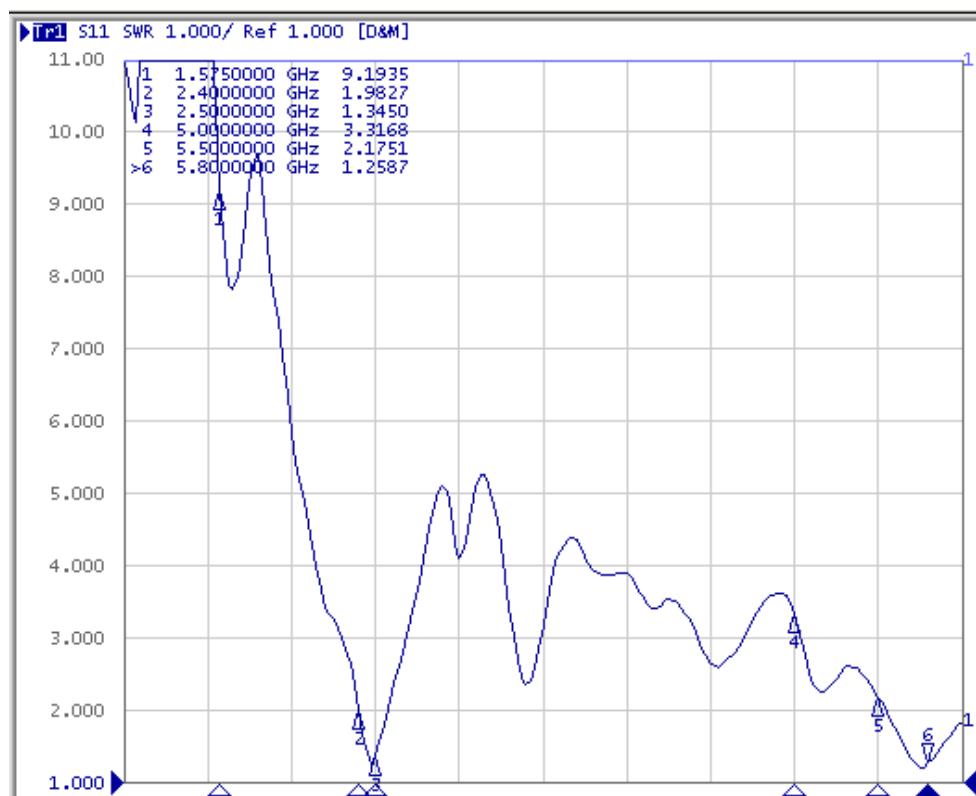
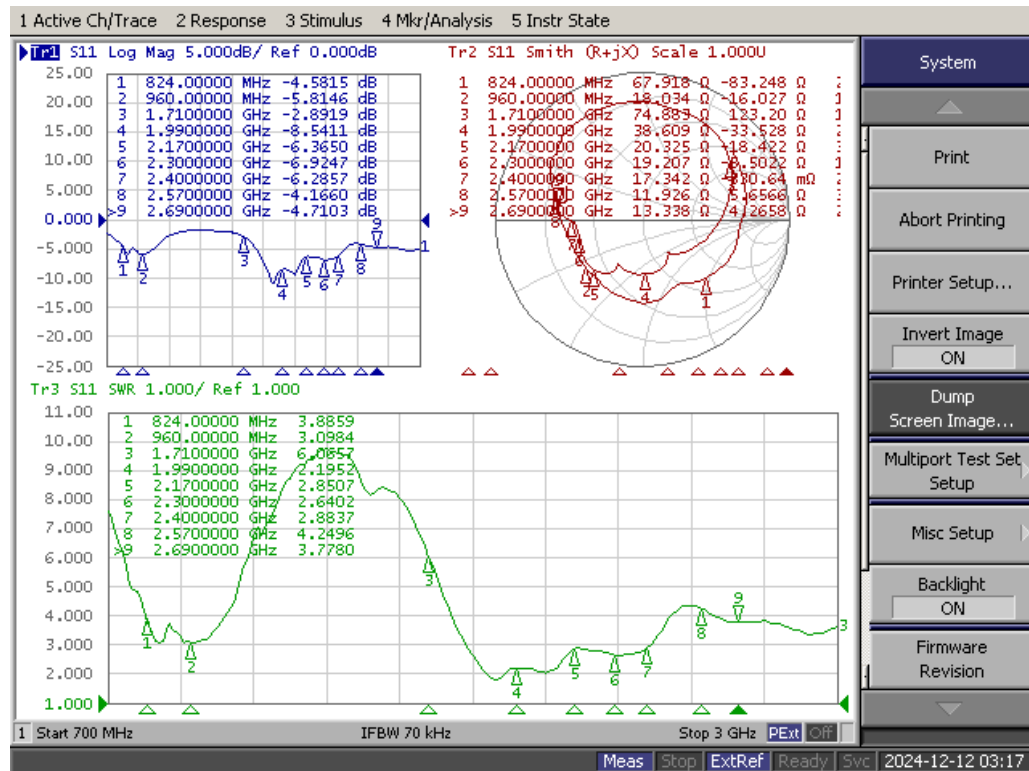
|           |        |        |         |
|-----------|--------|--------|---------|
|           | B41    |        |         |
| Channel   | 40340  | 40740  | 41140   |
| TRP (dBm) | 16. 98 | 17. 04 | 16. 85  |
| TIS (dBm) |        |        | -89. 68 |

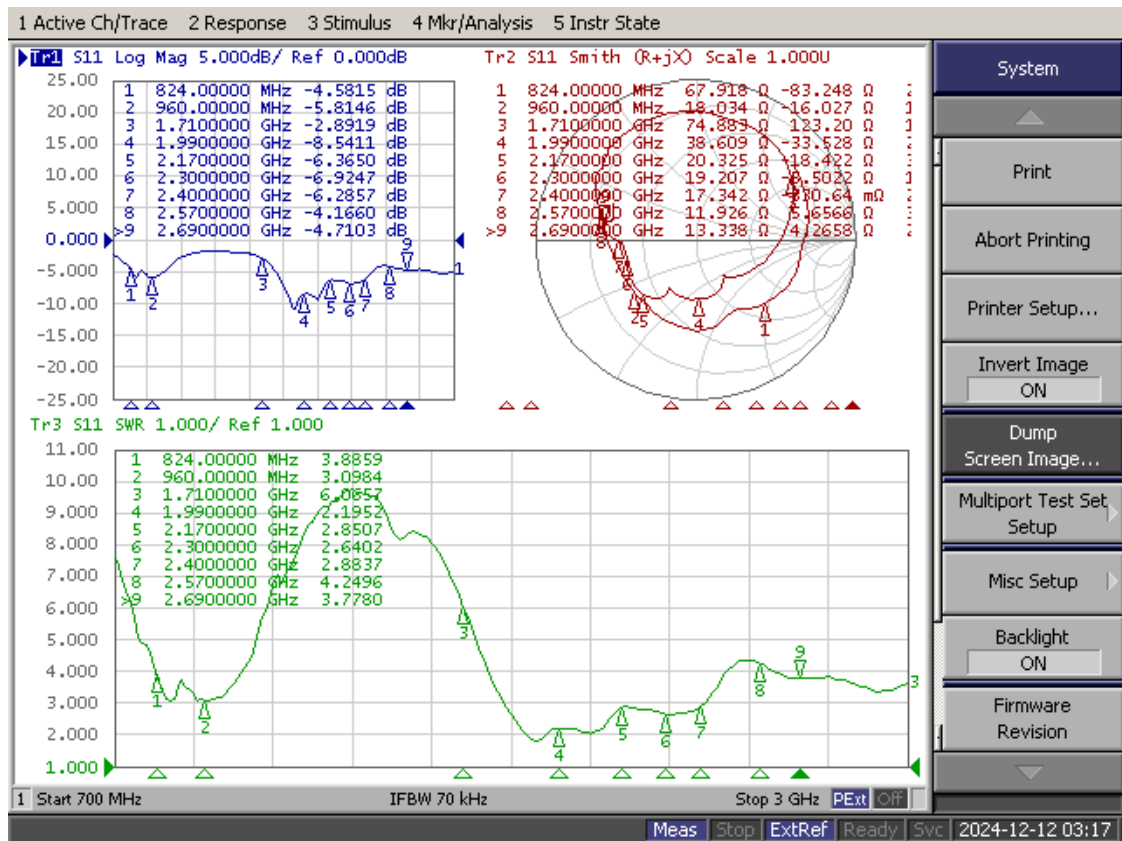
4. Wi-Fi report

|                                   |        |        |        |
|-----------------------------------|--------|--------|--------|
| 2. 4G 2400-2500MHz 802.11b 11Mbps |        |        |        |
| Channel                           | 1      | 6      | 11     |
| TRP (dBm)                         | 12.54  | 12.79  | 12.61  |
| TIS (dBm)                         | -78.83 | -78.88 | -79.29 |
| 5G 5000-5800MHz 802.11a 54Mbps    |        |        |        |
| Channel                           | 64     | 161    | 165    |
| TRP(dBm)                          | 8.98   | 8.77   | 9.15   |
| TIS (dBm)                         | -68.82 | -69.88 | -69.16 |



## 5. Percusive-Log Mag/Smith/SWR





## 6. Antenna gain efficiency

### Efficiency/Gain

| Frequency ID               | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      | 10     | 11     |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Frequency (MHz)            | 2400.0 | 2410.0 | 2420.0 | 2430.0 | 2440.0 | 2450.0 | 2460.0 | 2470.0 | 2480.0 | 2490.0 | 2500.0 |
| Ant. Port Input Pwr. (dBm) | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| Tot. Rad. Pwr. (dBm)       | -4.18  | -4.10  | -4.00  | -4.06  | -3.98  | -3.92  | -3.78  | -3.79  | -3.81  | -3.78  | -3.71  |
| Peak EIRP (dBm)            | 3.19   | 3.26   | 3.34   | 3.29   | 3.39   | 3.45   | 3.62   | 3.65   | 3.71   | 3.85   | 4.07   |
| Directivity (dBi)          | 7.37   | 7.36   | 7.35   | 7.35   | 7.36   | 7.37   | 7.40   | 7.45   | 7.52   | 7.63   | 7.78   |
| Efficiency (dB)            | -4.18  | -4.10  | -4.00  | -4.06  | -3.98  | -3.92  | -3.78  | -3.79  | -3.81  | -3.78  | -3.71  |
| Efficiency (%)             | 38.20  | 38.90  | 39.80  | 39.30  | 40.00  | 40.50  | 41.90  | 41.80  | 41.60  | 41.90  | 42.60  |
| Gain (dBi)                 | 3.19   | 3.26   | 3.34   | 3.29   | 3.39   | 3.45   | 3.62   | 3.65   | 3.71   | 3.85   | 4.07   |
| NHPRP $\pm\pi/4$ (dBm)     | -5.26  | -5.21  | -5.14  | -5.21  | -5.13  | -5.08  | -4.94  | -4.96  | -4.98  | -4.95  | -4.88  |
| NHPRP $\pm\pi/6$ (dBm)     | -6.64  | -6.58  | -6.51  | -6.56  | -6.48  | -6.43  | -6.30  | -6.33  | -6.35  | -6.32  | -6.23  |
| NHPRP $\pm\pi/8$ (dBm)     | -7.73  | -7.67  | -7.59  | -7.64  | -7.55  | -7.51  | -7.39  | -7.43  | -7.44  | -7.40  | -7.30  |
| Upper Hem. PRP (dBm)       | -8.08  | -8.04  | -7.98  | -8.04  | -7.92  | -7.83  | -7.65  | -7.66  | -7.71  | -7.72  | -7.67  |
| Lower Hem. PRP (dBm)       | -6.45  | -6.34  | -6.23  | -6.28  | -6.21  | -6.19  | -6.07  | -6.08  | -6.08  | -6.02  | -5.94  |
| Upper Hem. PRP (%)         | 15.54  | 15.70  | 15.94  | 15.70  | 16.13  | 16.50  | 17.18  | 17.12  | 16.95  | 16.89  | 17.11  |
| Lower Hem. PRP (%)         | 22.66  | 23.20  | 23.84  | 23.56  | 23.91  | 24.05  | 24.73  | 24.65  | 24.67  | 24.98  | 25.45  |

### Efficiency/Gain

| Frequency ID               | 12     | 13     | 14     | 15     | 16     | 17     | 18     | 19     | 20     | 21     | 22     | 23     | 24     | 25     | 26     |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Frequency (MHz)            | 5150.0 | 5200.0 | 5250.0 | 5300.0 | 5350.0 | 5400.0 | 5450.0 | 5500.0 | 5550.0 | 5600.0 | 5650.0 | 5700.0 | 5750.0 | 5800.0 | 5850.0 |
| Ant. Port Input Pwr. (dBm) | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| Tot. Rad. Pwr. (dBm)       | -6.90  | -6.97  | -6.56  | -6.29  | -6.79  | -6.98  | -6.96  | -6.80  | -6.33  | -5.96  | -5.95  | -5.93  | -6.11  | -6.53  | -6.58  |
| Peak EIRP (dBm)            | 2.53   | 2.14   | 2.43   | 2.08   | 1.10   | 0.73   | 0.44   | 1.12   | 2.38   | 2.99   | 2.94   | 3.06   | 3.20   | 2.70   | 2.11   |
| Directivity (dBi)          | 9.43   | 9.11   | 8.98   | 8.37   | 7.89   | 7.71   | 7.40   | 7.92   | 8.71   | 8.95   | 8.89   | 8.99   | 9.31   | 9.23   | 8.69   |
| Efficiency (dB)            | -6.90  | -6.97  | -6.56  | -6.29  | -6.79  | -6.98  | -6.96  | -6.80  | -6.33  | -5.96  | -5.95  | -5.93  | -6.11  | -6.53  | -6.58  |
| Efficiency (%)             | 20.40  | 20.10  | 22.10  | 23.50  | 20.90  | 20.00  | 20.20  | 20.90  | 23.30  | 25.30  | 25.40  | 25.50  | 24.50  | 22.20  | 22.00  |
| Gain (dBi)                 | 2.53   | 2.14   | 2.43   | 2.08   | 1.10   | 0.73   | 0.44   | 1.12   | 2.38   | 2.99   | 2.94   | 3.06   | 3.20   | 2.70   | 2.11   |
| NHPRP $\pm\pi/4$ (dBm)     | -8.29  | -8.48  | -8.10  | -7.72  | -8.24  | -8.52  | -8.43  | -8.34  | -8.01  | -7.60  | -7.65  | -7.68  | -7.92  | -8.42  | -8.51  |
| NHPRP $\pm\pi/6$ (dBm)     | -9.99  | -10.23 | -9.86  | -9.36  | -9.90  | -10.26 | -10.05 | -10.03 | -9.85  | -9.42  | -9.55  | -9.71  | -10.05 | -10.63 | -10.75 |
| NHPRP $\pm\pi/8$ (dBm)     | -11.48 | -11.73 | -11.34 | -10.69 | -11.27 | -11.70 | -11.35 | -11.35 | -11.21 | -10.74 | -10.98 | -11.27 | -11.67 | -12.32 | -12.48 |
| Upper Hem. PRP (dBm)       | -11.98 | -11.98 | -11.69 | -11.35 | -11.55 | -11.84 | -11.95 | -11.83 | -11.60 | -11.52 | -11.54 | -11.73 | -12.06 | -12.11 | -12.03 |
| Lower Hem. PRP (dBm)       | -8.51  | -8.62  | -8.15  | -7.91  | -8.56  | -8.70  | -8.61  | -8.44  | -7.86  | -7.38  | -7.35  | -7.25  | -7.38  | -7.93  | -8.04  |
| Upper Hem. PRP (%)         | 6.35   | 6.34   | 6.78   | 7.33   | 7.00   | 6.54   | 6.38   | 6.57   | 6.93   | 7.05   | 7.02   | 6.71   | 6.23   | 6.15   | 6.26   |
| Lower Hem. PRP (%)         | 14.09  | 13.73  | 15.32  | 16.18  | 13.94  | 13.50  | 13.77  | 14.32  | 16.37  | 18.29  | 18.39  | 18.82  | 18.29  | 16.10  | 15.71  |

# Efficiency/Gain

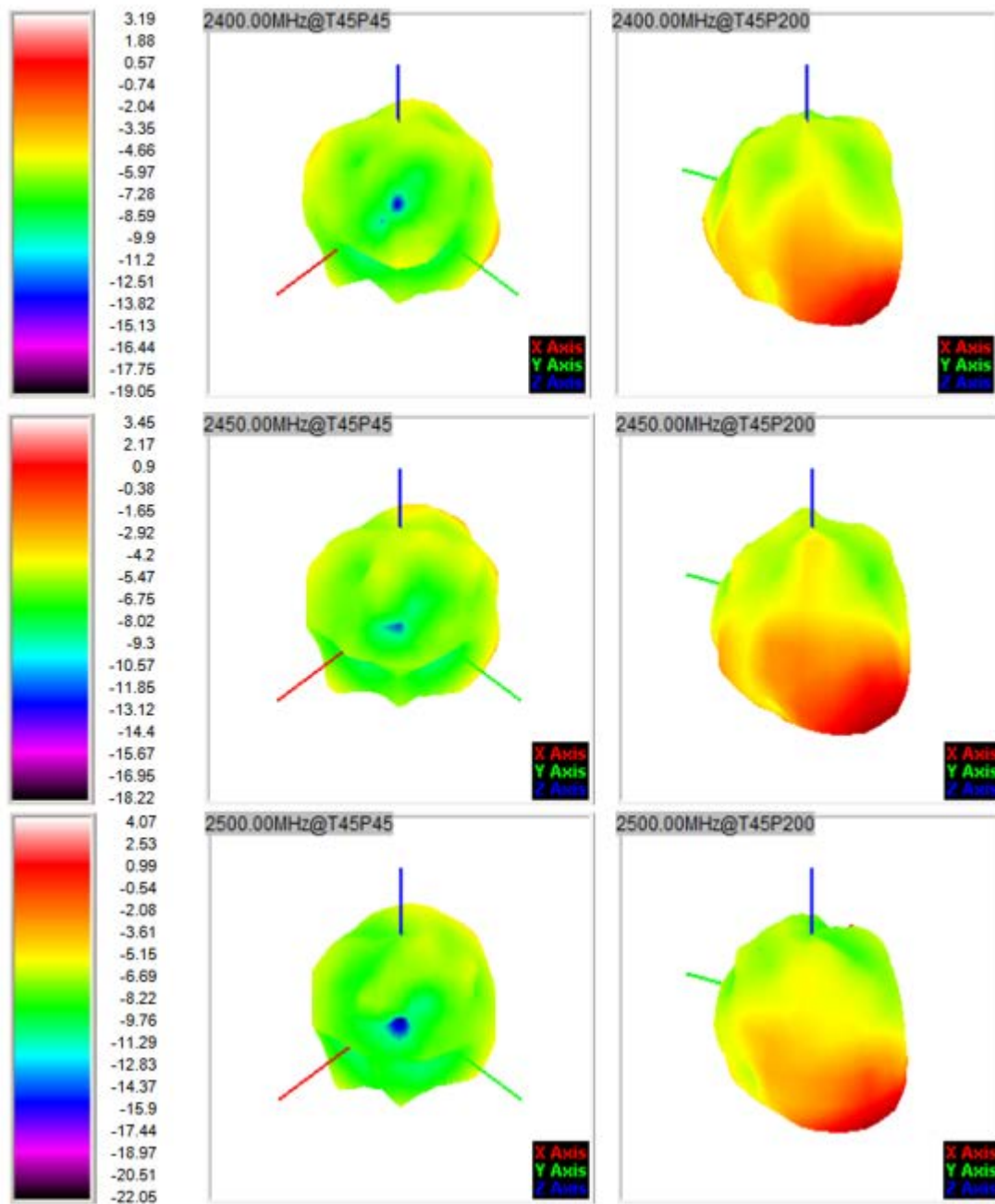
| Frequency ID               | 1      | 2     | 3      | 4      | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    |
|----------------------------|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frequency (MHz)            | 820.0  | 830.0 | 840.0  | 850.0  | 860.0 | 870.0 | 880.0 | 890.0 | 900.0 | 910.0 | 920.0 | 930.0 | 940.0 | 950.0 | 960.0 |
| Ant. Port Input Pwr. (dBm) | 0.00   | 0.00  | 0.00   | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Tot. Rad. Pwr. (dBm)       | -6.39  | -6.01 | -5.98  | -5.76  | -5.57 | -5.69 | -5.57 | -5.63 | -5.80 | -5.64 | -5.57 | -5.54 | -5.31 | -5.11 | -5.27 |
| Peak EIRP (dBm)            | -2.97  | -2.63 | -2.29  | -1.65  | -1.45 | -2.02 | -2.35 | -2.10 | -1.95 | -1.57 | -1.44 | -1.30 | -1.18 | -1.10 | -1.50 |
| Directivity (dBi)          | 3.42   | 3.38  | 3.69   | 4.11   | 4.12  | 3.67  | 3.22  | 3.54  | 3.84  | 4.07  | 4.13  | 4.23  | 4.13  | 4.01  | 3.77  |
| Efficiency (dB)            | -6.39  | -6.01 | -5.98  | -5.76  | -5.57 | -5.69 | -5.57 | -5.63 | -5.80 | -5.64 | -5.57 | -5.54 | -5.31 | -5.11 | -5.27 |
| Efficiency (%)             | 15.00  | 17.20 | 17.20  | 19.50  | 18.70 | 19.00 | 18.70 | 19.30 | 18.30 | 19.30 | 19.80 | 19.90 | 20.40 | 20.80 | 20.70 |
| Gain (dBi)                 | -2.97  | -2.63 | -2.29  | -1.65  | -1.45 | -2.02 | -2.35 | -2.10 | -1.95 | -1.57 | -1.44 | -1.30 | -1.18 | -1.10 | -1.50 |
| NHPRP ±Pi/4 (dBm)          | -7.63  | -7.29 | -7.29  | -7.12  | -6.99 | -7.17 | -7.09 | -7.14 | -7.27 | -7.04 | -6.88 | -6.79 | -6.51 | -6.28 | -6.43 |
| NHPRP ±Pi/6 (dBm)          | -9.11  | -8.83 | -8.89  | -8.78  | -8.65 | -8.81 | -8.70 | -8.71 | -8.81 | -8.54 | -8.37 | -8.29 | -8.03 | -7.79 | -7.90 |
| NHPRP ±Pi/8 (dBm)          | -10.21 | -9.94 | -10.06 | -10.00 | -9.86 | -9.96 | -9.83 | -9.82 | -9.93 | -9.66 | -9.48 | -9.43 | -9.20 | -8.98 | -9.07 |
| Upper Hem. PRP (dBm)       | -9.77  | -9.25 | -9.11  | -8.78  | -8.49 | -8.49 | -8.33 | -8.46 | -8.72 | -8.70 | -8.72 | -8.68 | -8.43 | -8.25 | -8.34 |
| Lower Hem. PRP (dBm)       | -9.06  | -8.80 | -8.87  | -8.76  | -8.68 | -8.92 | -8.85 | -8.83 | -8.89 | -8.60 | -8.44 | -8.42 | -8.21 | -8.00 | -8.23 |
| Upper Hem. PRP (%)         | 10.54  | 11.88 | 12.27  | 13.25  | 14.17 | 14.14 | 14.69 | 14.26 | 13.43 | 13.48 | 13.44 | 13.55 | 14.34 | 14.97 | 14.67 |
| Lower Hem. PRP (%)         | 12.43  | 13.19 | 12.96  | 13.29  | 13.55 | 12.83 | 13.02 | 13.08 | 12.90 | 13.80 | 14.32 | 14.39 | 15.10 | 15.87 | 15.04 |

# Efficiency/Gain

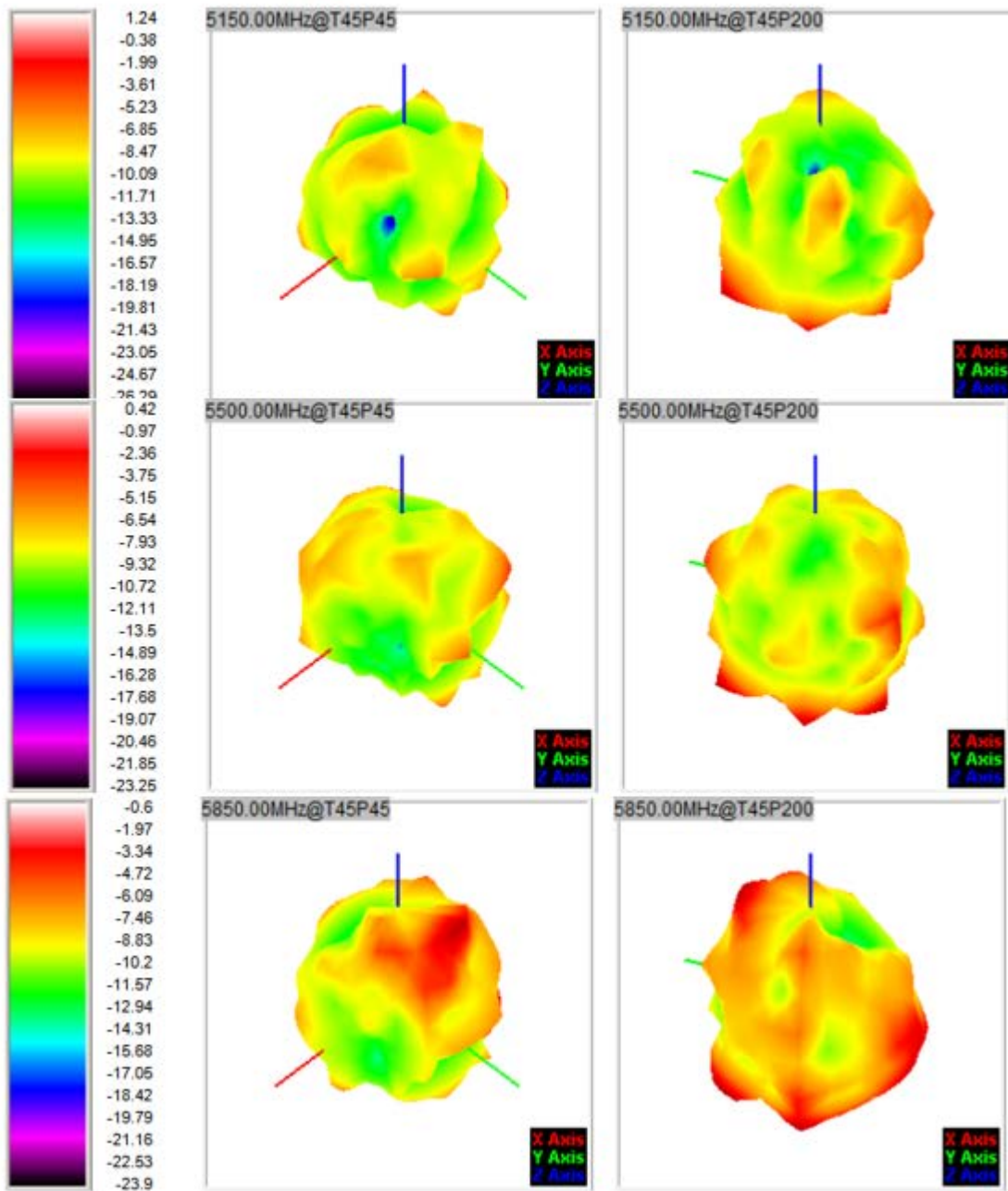
| Frequency ID               | 16     | 17     | 18     | 19     | 20     | 21     | 22     | 23     | 24     | 25     | 26     | 27     | 28     | 29     | 30     | 31     |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Frequency (MHz)            | 1710.0 | 1730.0 | 1750.0 | 1770.0 | 1790.0 | 1810.0 | 1830.0 | 1850.0 | 1870.0 | 1890.0 | 1910.0 | 1930.0 | 1950.0 | 1970.0 | 1990.0 | 2010.0 |
| Ant. Port Input Pwr. (dBm) | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| Tot. Rad. Pwr. (dBm)       | -10.97 | -10.05 | -9.20  | -8.42  | -7.99  | -7.66  | -7.12  | -6.53  | -6.11  | -5.78  | -5.62  | -5.81  | -5.72  | -5.64  | -5.49  | -5.42  |
| Peak EIRP (dBm)            | -6.82  | -6.20  | -5.34  | -4.86  | -4.41  | -3.98  | -3.47  | -3.40  | -3.15  | -2.19  | -1.63  | -1.95  | -2.10  | -1.64  | -1.31  | -1.19  |
| Directivity (dBi)          | 4.15   | 3.85   | 3.86   | 3.56   | 3.59   | 3.68   | 3.65   | 3.13   | 2.96   | 3.59   | 3.99   | 3.86   | 3.61   | 4.01   | 4.18   | 4.23   |
| Efficiency (dB)            | -10.97 | -10.05 | -9.20  | -8.42  | -7.99  | -7.66  | -7.12  | -6.53  | -6.11  | -5.78  | -5.62  | -5.81  | -5.72  | -5.64  | -5.49  | -5.42  |
| Efficiency (%)             | 28.00  | 29.90  | 32.00  | 34.40  | 35.90  | 37.10  | 39.40  | 32.20  | 34.50  | 36.40  | 37.40  | 36.20  | 36.80  | 37.30  | 38.30  | 38.70  |
| Gain (dBi)                 | -6.82  | -6.20  | -5.34  | -4.86  | -4.41  | -3.98  | -3.47  | -3.40  | -3.15  | -2.19  | -1.63  | -1.95  | -2.10  | -1.64  | -1.31  | -1.19  |
| NHPRP ±Pi/4 (dBm)          | -12.50 | -11.49 | -10.62 | -9.83  | -9.39  | -9.03  | -8.47  | -7.92  | -7.55  | -7.22  | -7.07  | -7.27  | -7.19  | -7.14  | -7.02  | -6.94  |
| NHPRP ±Pi/6 (dBm)          | -14.11 | -13.01 | -12.14 | -11.38 | -10.95 | -10.57 | -10.00 | -9.43  | -9.03  | -8.73  | -8.66  | -8.93  | -8.75  | -8.67  | -8.61  | -8.52  |
| NHPRP ±Pi/8 (dBm)          | -15.41 | -14.18 | -13.30 | -12.54 | -12.08 | -11.70 | -11.15 | -10.56 | -10.12 | -9.90  | -9.93  | -10.26 | -9.98  | -9.89  | -9.94  | -9.85  |
| Upper Hem. PRP (dBm)       | -14.54 | -13.53 | -12.58 | -11.69 | -11.21 | -10.85 | -10.26 | -9.52  | -8.97  | -8.55  | -8.19  | -8.41  | -8.53  | -8.61  | -8.51  | -8.26  |
| Lower Hem. PRP (dBm)       | -13.48 | -12.63 | -11.87 | -11.19 | -10.81 | -10.50 | -10.00 | -9.55  | -9.28  | -9.03  | -9.12  | -9.29  | -8.94  | -8.69  | -8.49  | -8.60  |
| Upper Hem. PRP (%)         | 3.51   | 4.43   | 5.52   | 6.78   | 7.57   | 8.23   | 9.41   | 11.16  | 12.69  | 13.96  | 15.19  | 14.43  | 14.04  | 13.76  | 14.11  | 14.91  |
| Lower Hem. PRP (%)         | 4.48   | 5.46   | 6.51   | 7.61   | 8.30   | 8.90   | 10.00  | 11.08  | 11.79  | 12.49  | 12.24  | 11.78  | 12.77  | 13.51  | 14.14  | 13.80  |

## 7、Direction diagram

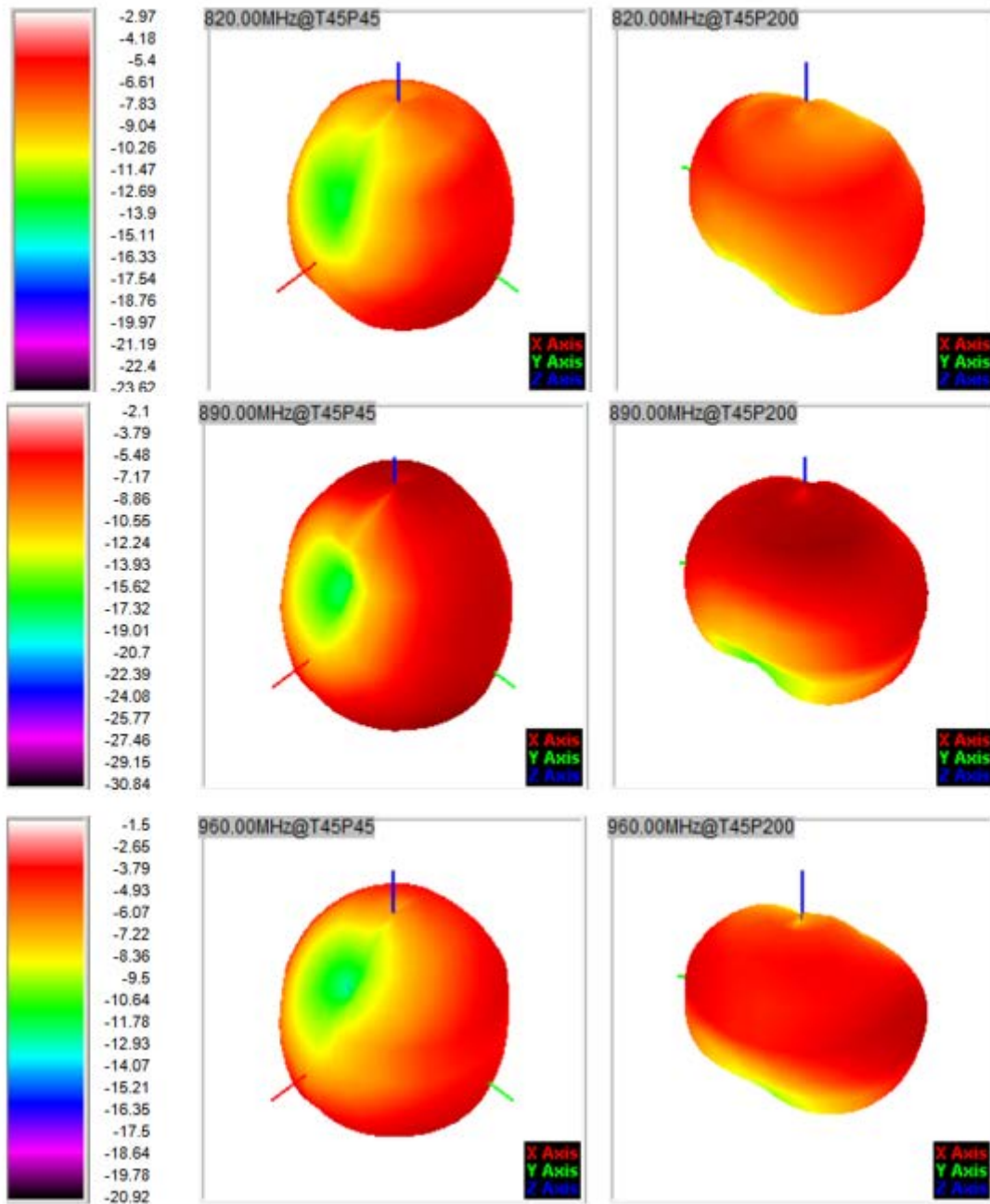
### 3D Pattern



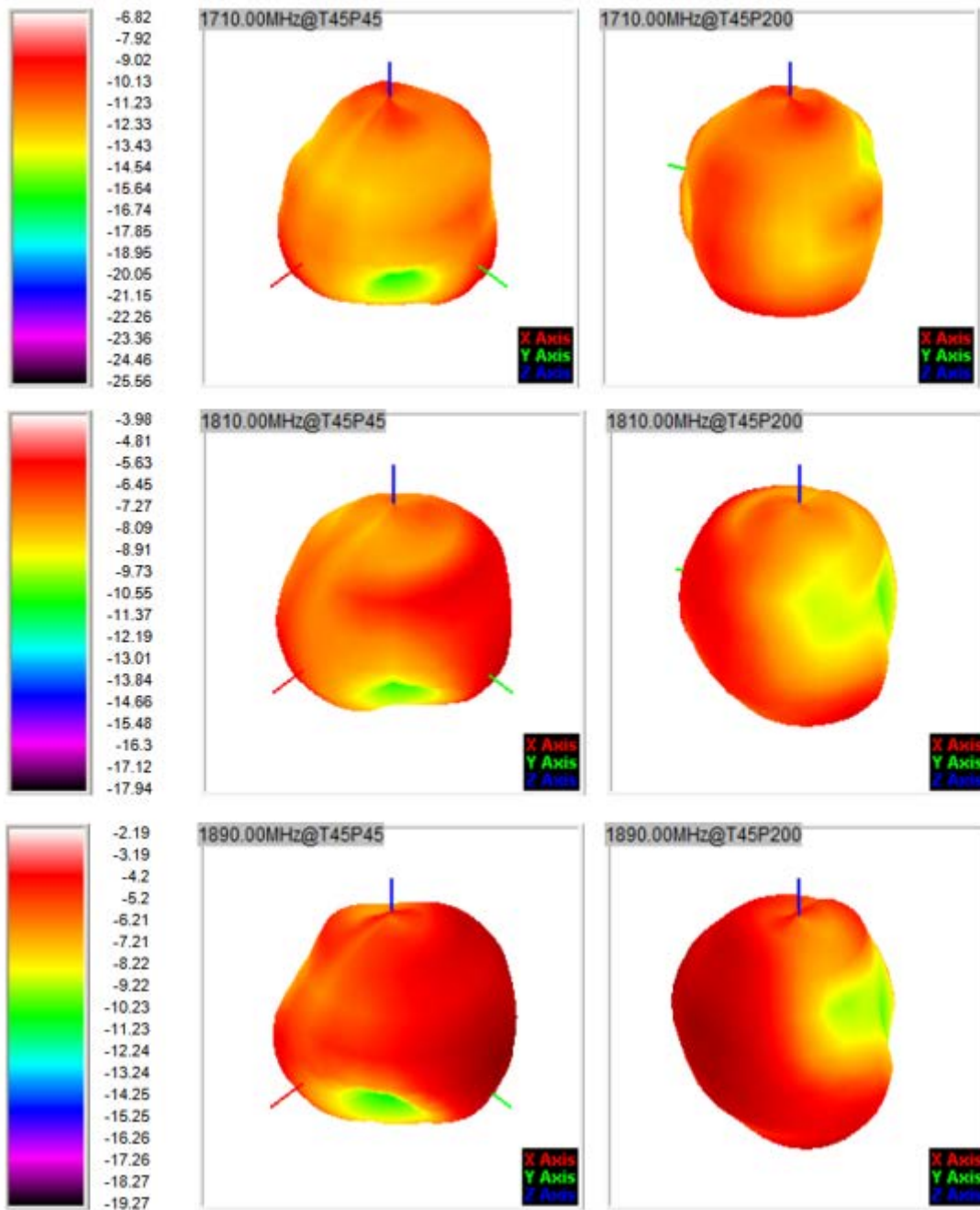
# 3D Pattern



# 3D Pattern



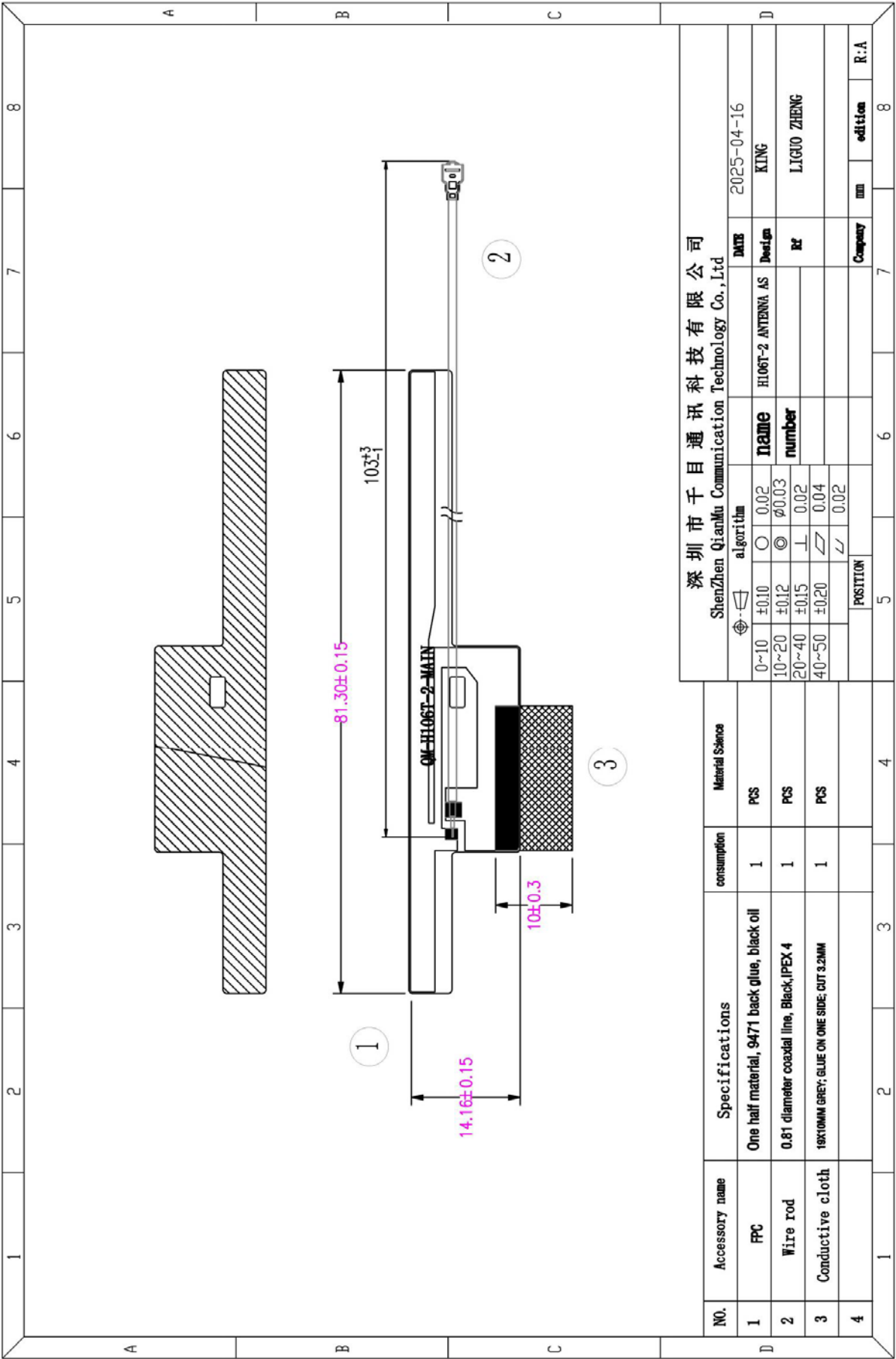
# 3D Pattern

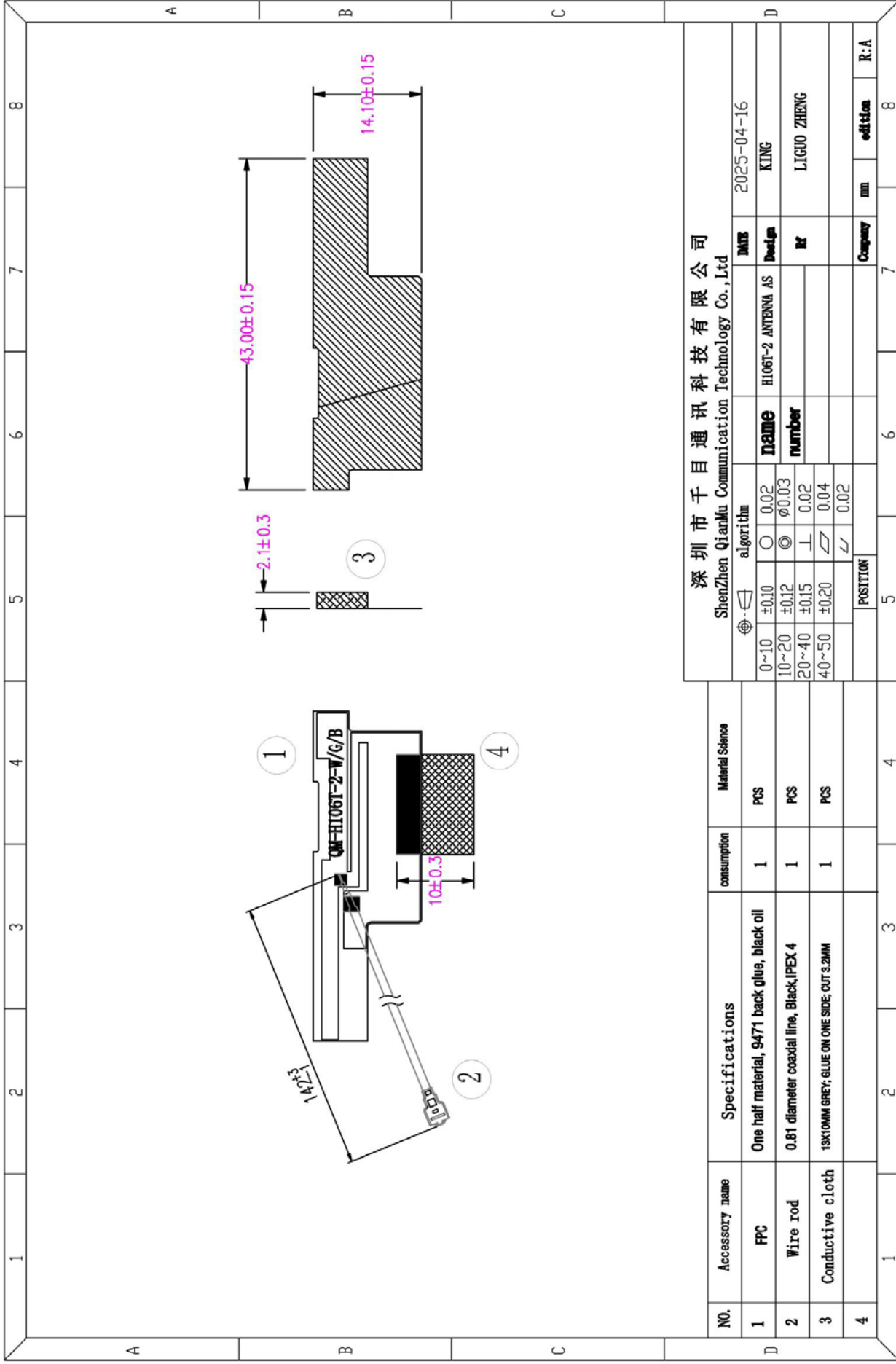


## 8、GPS actual measurement



10. Engineering drawings





|                                                                                       |       |           |      |      |                    |         |        |            |             |     |
|---------------------------------------------------------------------------------------|-------|-----------|------|------|--------------------|---------|--------|------------|-------------|-----|
| 深圳市千目通讯科技有限公司                                                                         |       |           |      |      |                    |         |        |            |             |     |
| ShenZhen QianMu Communication Technology Co., Ltd                                     |       |           |      |      |                    |         |        |            |             |     |
|  |       | algorithm |      |      |                    | DATE    |        | 2025-04-16 |             |     |
| 0~10                                                                                  | ±0.10 | ○         | 0.02 | name | HI06T-2 ANTENNA AS |         | Design | KING       |             |     |
| 10~20                                                                                 | ±0.12 | ◎         | 0.03 |      |                    |         |        | RF         | LIGUO ZHENG |     |
| 20~40                                                                                 | ±0.15 | ┘         | 0.02 |      |                    |         |        |            |             |     |
| 40~50                                                                                 | ±0.20 | ┘         | 0.04 |      |                    |         |        |            |             |     |
|                                                                                       |       | ┘         | 0.02 |      |                    |         |        |            |             |     |
| POSITION                                                                              |       |           |      |      |                    | Company |        | mm         | edition     | R:A |
| 5                                                                                     |       | 6         |      | 7    |                    | 8       |        |            |             |     |