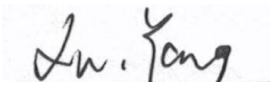
| | | | |
|---|---|---|---|
| Project No. | SHT2404097801W | | |
| Test sample No. | YPHT24040978002 | Model No. | TE Air |
| Start test date | 2024/7/8 | Finish date | 2024/7/8 |
| Temperature | 22.5°C | Humidity | 56% |
| Test Engineer | Xiaodong Zhao | Auditor |  |

| Appendix clause | Test Item | Result |
|---|---|---|
| A | Conducted Power Measurement Results | PASS |
| B | SAR Measurement Results | PASS |
| C | Simultaneous Transmission analysis | PASS |

**Appendix A:Conducted Power Measurement Results-WIFI/Bluetooth**

| WIFI 2.4G | | | | | |
|---|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Conducted Power (dBm) | Tune-up limit (dBm) | Duty Cycle |
| 802.11b | 1 | 2412 | 17.36 | 18.00 | 99.65% |
| | 6 | 2437 | 17.38 | 18.00 | 99.65% |
| | 11 | 2462 | 16.69 | 18.00 | 99.65% |
| 802.11g | 1 | 2412 | 16.51 | 17.00 | 98.96% |
| | 6 | 2437 | 16.65 | 17.00 | 98.96% |
| | 11 | 2462 | 15.81 | 17.00 | 98.96% |
| 802.11n (HT20) | 1 | 2412 | 15.57 | 16.00 | 98.89% |
| | 6 | 2437 | 15.92 | 16.00 | 98.89% |
| | 11 | 2462 | 15.81 | 16.00 | 98.89% |
| 802.11ax (HE20) | 1 | 2412 | 16.09 | 17.00 | 94.83% |
| | 6 | 2437 | 16.45 | 17.00 | 94.83% |
| | 11 | 2462 | 14.32 | 17.00 | 94.83% |

| WIFI 5G U-NII-1 | | | | | |
|---|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Conducted Power (dBm) | Tune-up limit (dBm) | Duty Cycle |
| 802.11ax (HE20) | 36 | 5180 | 16.10 | 16.50 | 98.58% |
| | 44 | 5220 | 15.94 | 16.50 | 98.58% |
| | 48 | 5240 | 15.84 | 16.50 | 98.58% |
| 802.11ac (VHT20) | 36 | 5180 | 15.93 | 16.50 | 98.90% |
| | 44 | 5220 | 15.83 | 16.50 | 98.90% |
| | 48 | 5240 | 15.77 | 16.50 | 98.90% |
| 802.11n (HT20) | 36 | 5180 | 15.72 | 16.50 | 98.89% |
| | 44 | 5220 | 15.60 | 16.50 | 98.89% |
| | 48 | 5240 | 15.55 | 16.50 | 98.89% |
| 802.11a | 36 | 5180 | 16.65 | 17.00 | 98.96% |
| | 44 | 5220 | 16.48 | 17.00 | 98.96% |
| | 48 | 5240 | 16.29 | 17.00 | 98.96% |

| WIFI 5G U-NII-3 | | | | | |
|---|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Conducted Power (dBm) | Tune-up limit (dBm) | Duty Cycle |
| 802.11ax (HE20) | 149 | 5745 | 15.26 | 16.00 | 98.58% |
| | 157 | 5785 | 15.37 | 16.00 | 98.58% |
| | 165 | 5825 | 15.29 | 16.00 | 98.58% |
| 802.11ac (VHT20) | 149 | 5745 | 15.05 | 16.00 | 98.90% |
| | 157 | 5785 | 15.18 | 16.00 | 98.90% |
| | 165 | 5825 | 15.24 | 16.00 | 98.90% |
| 802.11n (HT20) | 149 | 5745 | 15.40 | 16.50 | 98.89% |
| | 157 | 5785 | 15.66 | 16.50 | 98.89% |
| | 165 | 5825 | 16.20 | 16.50 | 98.89% |
| 802.11a | 149 | 5745 | 16.27 | 18.00 | 98.96% |
| | 157 | 5785 | 16.30 | 18.00 | 98.96% |
| | 165 | 5825 | 17.16 | 18.00 | 98.96% |

| Bluetooth | | | | |
|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Conducted Power (dBm) | Tune-up limit (dBm) |
| BLE 1Mbps | 0 | 2402 | 0.65 | 1.00 |
| | 19 | 2440 | 0.66 | 1.00 |
| | 39 | 2480 | 0.77 | 1.00 |
| BLE 2Mbps | 0 | 2402 | 0.61 | 1.00 |
| | 19 | 2440 | 0.64 | 1.00 |
| | 39 | 2480 | 0.81 | 1.00 |

**Appendix B:SAR Measurement Results-Body**

| WIFI 2.4G | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mode | Test Position | Frequency | | Conducted Power (dBm) | Tune-up limit (dBm) | Tune-up scaling factor | Duty Cycle | Duty Cycle Scaling Factor | Power Drift(dB) | Measured SAR(1g) | Report SAR(1g) | Plot No. |
| | | CH | MHz | | | | | | | (W/kg) | (W/kg) | |
| 802.11b | Top | 6 | 2437 | 17.38 | 18.00 | 1.153 | 99.65% | 1.004 | -0.14 | 0.041 | 0.047 | 1 |

| WIFI 5G U-NII-1 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mode | Test Position | Frequency | | Conducted Power (dBm) | Tune-up limit (dBm) | Tune-up scaling factor | Duty Cycle | Duty Cycle Scaling Factor | Power Drift(dB) | Measured SAR(1g) | Report SAR(1g) | Plot No. |
| | | CH | MHz | | | | | | | (W/kg) | (W/kg) | |
| 802.11a | Top | 36 | 5180 | 16.65 | 17.00 | 1.084 | 98.96% | 1.011 | -0.19 | 0.117 | 0.128 | 2 |

| WIFI 5G U-NII-3 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mode | Test Position | Frequency | | Conducted Power (dBm) | Tune-up limit (dBm) | Tune-up scaling factor | Duty Cycle | Duty Cycle Scaling Factor | Power Drift(dB) | Measured SAR(1g) | Report SAR(1g) | Plot No. |
| | | CH | MHz | | | | | | | (W/kg) | (W/kg) | |
| 802.11a | Top | 165 | 5825 | 17.16 | 18.00 | 1.213 | 98.96% | 1.011 | -0.09 | 0.158 | 0.194 | 3 |

**Appendix B:SAR Measurement Results-Limbs**

| WIFI 2.4G | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mode | Test Position | Frequency | | Conducted Power (dBm) | Tune-up limit (dBm) | Tune-up scaling factor | Duty Cycle | Duty Cycle Scaling Factor | Power Drift(dB) | Measured SAR(10g) | Report SAR(10g) | Plot No. |
| | | CH | MHz | | | | | | | (W/kg) | (W/kg) | |
| 802.11b | Front | 6 | 2437 | 17.38 | 18.00 | 1.153 | 99.65% | 1.004 | -0.09 | 0.113 | 0.131 | - |
| | Rear | 6 | 2437 | 17.38 | 18.00 | 1.153 | 99.65% | 1.004 | -0.06 | 0.107 | 0.124 | - |
| | Left | 6 | 2437 | 17.38 | 18.00 | 1.153 | 99.65% | 1.004 | -0.12 | 0.111 | 0.128 | - |
| | Right | 6 | 2437 | 17.38 | 18.00 | 1.153 | 99.65% | 1.004 | -0.03 | 0.105 | 0.122 | - |
| | Top | 6 | 2437 | 17.38 | 18.00 | 1.153 | 99.65% | 1.004 | -0.14 | 0.020 | 0.024 | - |
| | Bottom | 6 | 2437 | 17.38 | 18.00 | 1.153 | 99.65% | 1.004 | -0.13 | 0.237 | 0.274 | 4 |

| WIFI 5G U-NII-1 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mode | Test Position | Frequency | | Conducted Power (dBm) | Tune-up limit (dBm) | Tune-up scaling factor | Duty Cycle | Duty Cycle Scaling Factor | Power Drift(dB) | Measured SAR(10g) | Report SAR(10g) | Plot No. |
| | | CH | MHz | | | | | | | (W/kg) | (W/kg) | |
| 802.11a | Front | 36 | 5180 | 16.65 | 17.00 | 1.084 | 98.96% | 1.011 | -0.08 | 0.446 | 0.489 | - |
| | Rear | 36 | 5180 | 16.65 | 17.00 | 1.084 | 98.96% | 1.011 | -0.12 | 0.452 | 0.495 | - |
| | Left | 36 | 5180 | 16.65 | 17.00 | 1.084 | 98.96% | 1.011 | -0.07 | 0.414 | 0.453 | - |
| | Right | 36 | 5180 | 16.65 | 17.00 | 1.084 | 98.96% | 1.011 | -0.09 | 0.421 | 0.461 | - |
| | Top | 36 | 5180 | 16.65 | 17.00 | 1.084 | 98.96% | 1.011 | -0.19 | 0.043 | 0.048 | - |
| | Bottom | 36 | 5180 | 16.65 | 17.00 | 1.084 | 98.96% | 1.011 | 0.15 | 0.677 | 0.742 | 5 |

| WIFI 5G U-NII-3 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mode | Test Position | Frequency | | Conducted Power (dBm) | Tune-up limit (dBm) | Tune-up scaling factor | Duty Cycle | Duty Cycle Scaling Factor | Power Drift(dB) | Measured SAR(10g) | Report SAR(10g) | Plot No. |
| | | CH | MHz | | | | | | | (W/kg) | (W/kg) | |
| 802.11a | Front | 165 | 5825 | 17.16 | 18.00 | 1.213 | 98.96% | 1.011 | -0.05 | 0.635 | 0.779 | - |
| | Rear | 165 | 5825 | 17.16 | 18.00 | 1.213 | 98.96% | 1.011 | -0.15 | 0.628 | 0.770 | - |
| | Left | 165 | 5825 | 17.16 | 18.00 | 1.213 | 98.96% | 1.011 | -0.11 | 0.619 | 0.759 | - |
| | Right | 165 | 5825 | 17.16 | 18.00 | 1.213 | 98.96% | 1.011 | -0.08 | 0.615 | 0.754 | - |
| | Top | 165 | 5825 | 17.16 | 18.00 | 1.213 | 98.96% | 1.011 | -0.09 | 0.055 | 0.068 | - |
| | Bottom | 165 | 5825 | 17.16 | 18.00 | 1.213 | 98.96% | 1.011 | 0.14 | 0.916 | 1.123 | 6 |

**Appendix C: Simultaneous Transmission analysis-Body**

| WIFI + BT | | | | |
|---|---|---|---|---|
| WIFI Band | Exposure Position | Max SAR (W/kg) | | Summed SAR |
| | | WIFI | BT | (W/kg) |
| WIFI 2.4G | Top | 0.047 | 0.746 | 0.793 |
| WIFI 5G U-NII-1 | Top | 0.128 | 0.746 | 0.874 |
| WIFI 5G U-NII-3 | Top | 0.194 | 0.746 | 0.940 |

**Appendix C: Simultaneous Transmission analysis-Limbs**

| WIFI + BT | | | | |
|---|---|---|---|---|
| WIFI Band | Exposure Position | Max SAR (W/kg) | | Summed SAR |
| | | WIFI | BT | (W/kg) |
| WIFI 2.4G | Front | 0.131 | 0.746 | 0.877 |
| | Rear | 0.124 | 0.746 | 0.870 |
| | Left side | 0.128 | 0.746 | 0.874 |
| | Right side | 0.122 | 0.000 | 0.122 |
| | Top side | 0.024 | 0.000 | 0.024 |
| | Bottom side | 0.274 | 0.000 | 0.274 |
| WIFI 5G U-NII-1 | Front | 0.489 | 0.746 | 1.235 |
| | Rear | 0.495 | 0.746 | 1.241 |
| | Left side | 0.453 | 0.746 | 1.199 |
| | Right side | 0.461 | 0.000 | 0.461 |
| | Top side | 0.048 | 0.000 | 0.048 |
| | Bottom side | 0.742 | 0.000 | 0.742 |
| WIFI 5G U-NII-3 | Front | 0.779 | 0.746 | 1.525 |
| | Rear | 0.770 | 0.746 | 1.516 |
| | Left side | 0.759 | 0.746 | 1.505 |
| | Right side | 0.754 | 0.000 | 0.754 |
| | Top side | 0.068 | 0.000 | 0.068 |
| | Bottom side | 1.123 | 0.000 | 1.123 |