



Ai-M62-07S

Power Consumption Test Report

1. Test Description

1.1 Test Instruments

| Instrument | Manufacturer | Model |
|------------------|--------------|--------|
| Current Analyzer | KEYSIGHT | N6705C |

1.2 Test Conditions

| Item | Condition | Note |
|-------------|-------------------------|------|
| Power Input | 3.3V | / |
| Temperature | 25°C (Room temperature) | / |

1.3 Test Items

| Item | Result | Note |
|------------------------|--------|------|
| Power Consumption Test | PASS | / |

1.4 Other Notes

| Tested by | Yuan Nannan | Note |
|-------------|-------------|------|
| Reviewed by | Guan Ning | / |
| Test Date | 2023-10-16 | / |

| Test Mode | | Min | Avg | Max | Unit |
|-----------------------|---|-----|-----|-----|------|
| 11b TX | CCK 11 Mbps, Pout = +23 dBm, Duty 50% | - | 315 | - | mA |
| | CCK 11 Mbps, Pout = +23 dBm, Duty 100% | - | 406 | - | mA |
| 11g TX | OFDM 54 Mbps, POUT = +19 dBm, Duty 50% | - | 260 | - | mA |
| | OFDM 54 Mbps, POUT = +19 dBm, Duty 100% | - | 347 | - | mA |
| 11n TX | OFDM MCS7, POUT = +19 dBm, Duty 50% | - | 262 | - | mA |
| | OFDM MCS7, POUT = +19 dBm, Duty 100% | - | 359 | - | mA |
| 11b RX | 802.11b Sensitivity 1 Mbps | - | 55 | - | mA |
| | 802.11b Sensitivity 11 Mbps | - | 55 | - | mA |
| 11g RX | 802.11g Sensitivity 6 Mbps | - | 55 | - | mA |
| | 802.11g Sensitivity 54 Mbps | - | 55 | - | mA |
| 11n RX | 802.11n Sensitivity MCS0 | - | 55 | - | mA |
| | 802.11n Sensitivity MCS7 | - | 55 | - | mA |
| Low Power Consumption | DTIM10 (without DCDC and RTC crystal) | - | 235 | - | μA |