



Ai-M64L-32S

Power Consumption Test Report

1. Test Description

1.1 Test Instrument

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	Qiao Rongxin	Note
Reviewed by	Guan Ning	/
Test Date	2026-08-13	/

No.	Test Mode		Power Consumption
1	11b	CCK 11 Mbps, Pout = +23 dBm, Duty 50%	226 mA
2	TX	CCK 11 Mbps, Pout = +23 dBm, Duty 100%	389 mA
3	11g	OFDM 54 Mbps, POUT = +20 dBm, Duty 50%	187 mA
4	TX	OFDM 54 Mbps, POUT = +20 dBm, Duty 100%	314 mA
5	11n	OFDM MCS7, POUT = +19 dBm, Duty 50%	176 mA
6	TX	OFDM MCS7, POUT = +19 dBm, Duty 100%	293 mA
7	11ax	OFDM MCS9, POUT = +17 dBm, Duty 50%	168 mA
8	TX	OFDM MCS9, POUT = +17 dBm, Duty 100%	276 mA
9	11b	802.11b Sensitivity 1 Mbps	72 mA
10	RX	802.11b Sensitivity 11 Mbps	72 mA
11	11g	802.11g Sensitivity 6 Mbps	72 mA
12	RX	802.11g Sensitivity 54 Mbps	72 mA
13	11n	802.11n Sensitivity MCS0	72 mA
14	RX	802.11n Sensitivity MCS7	72 mA
15	11ax	802.11ax Sensitivity MCS0	72 mA
16	RX	802.11ax Sensitivity MCS9	72 mA
17	PDS (DTIM 10, with DC-DC, Wi-Fi disconnected)		24 μ A
18	PDS (DTIM 10, with DC-DC, Wi-Fi connected)		59 μ A
19	PDS (DTIM 10, without DC-DC, Wi-Fi disconnected)		42 μ A
20	PDS (DTIM 10, without DC-DC, Wi-Fi connected)		106 μ A
21	HBN		6 μ A